	AMENDMENT OF MODIFICATION	SOLICITATION/ OF CONTRACT		1. CONTRACT ID C	ODE		PAGE OF PAGES
2. AM	ENDMENT/MODIFICATION NO. Mod 74	3. EFFECTIVE DATE See Block 16C	4. REQU	ISITION/PURCHASE F	EQ. NO.	5. PROJE	GT NO. (Il applicable)
6. ISS	UED BY CODE	BG	7. ADMI	ISTERED BY (If other	than Item 6)	CODE	BG
NAS	A Lyndon B. Johnson Space	Center	NASA	Lyndon B. John	son Space	Center	
	NASA Parkway			ASA Parkway	1		
Attn	BG/Meghan Feeney			G/Meghan Feer	iev		
	ston, TX 77058			on, TX 77058	5		
8. NAI	ME AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP Co	ode)				*****
Lock	heed Martin Engineering Ser	vices					
	Dan Wegner						
	Bay Area Blvd						
	ston, TX 77058						
CODE			FACILITY	CODE			
	9A. AMENDMENT OF SOLICITATION	I NO.	9B. DATI	D (SEE ITEM 11)			
х	10A. MODIFICATION OF CONTRACT NNI10GA35C	VORDER NO.	108. DAT 12/10/	ED (SEE ITEM 13)			
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Пт	he above numbered solicitation is amend				the second second	xlended.	Is not extended.
	nust acknowledge receipt of this amend						
		[2				
	completing Items 8 and 15, and ed; or (c) By separate letter or telegram v	Copies of the amendment; (b)					
	CEIVED AT THE PLACE DESIGNATED						
YOUR	OFFER. If by virtue of this amendment y	ou desire to change an offer already s	submitted, s	uch change may be ma	de by telegram		
	makes reference to the solicitation and t		to the open	ing hour and date speci	fied,		New Low Constant, or Charactering Springer, or C
12. AC	COUNTING AND APPROPRIATION DA	TA (If required) N/A					
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	CONTRACT ORDER NO. IN ITEM 104	λ.					
	B. THE ABOVE NUMBERED CONTRA appropriation date, etc.) SET FORTH II				NGES (such as	s changes in	paying office,
x	c. THIS SUPPLEMENTAL AGREEME Contract Clause H.16, Special	NT IS ENTERED INTO PURSUANT Clause for Contract Changes	TO AUTHO s and IDI	RITY OF: Q Task Orders			anna an ann an ann ann ann ann ann ann
	d. OTHER (Specify type of modification	n and authorily)	81115 (515	<u>ani ana dia dia mampi</u> ny manjarahasi na pada			
e. Imp	ORTANT: Contractor is not,	× Is required to sign this docume	ent and retur	n <u>1</u> c	opies to the iss	uing office.	
14. des	cription of amendment/modification (Org	anized by UCF section headings, incl	uding solicit	ation/contract subject m	aller where lea	sible.)	
~			100-100 1200H S				

The purpose of this Supplemental Agreement is to definitize Space Station Change Notice (SSCN) 13794. The contractor shall be authorized to provide a structural analysis update for the ISS Cargo Bags due to updated SpaceX Dragon Increment Definition Document (IDD) launch/ return environments. There is no change to contract value.

15A. NAME AND TITLE OF SIGNER (Type or print) Dan Wegner, Contracts Administrator		18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer		
15B. CONTRACTOR OFFEROR (Signature of person authorized to sign)	15C, DATE SIGNED 1.16.2013	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED 7/16/2013	
NSN 7540-01-162-8070 PREVIOUS EDITION UNUSABLE	30 JSC MS Wo		TANDARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53,243	

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	Cost
74		Provide a structural analysis update for the ISS Cargo Bags due to updated SpaceX Dragon Increment Definition Document (IDD) launch/ return environments.	(b) (4

- B. Section C Statement of Work (SOW), is hereby updated to add SOW subsection paragraph 6.2, Certify ISS Cargo Bags for SpaceX Interface Definition Document Launch/Return Environments. As a result of this change, replacement pages are attached.
- C. Attachment J-17 Underlimit Pool Changes is hereby updated to include this underlimit change. As a result of this change, J-17 is attached.
- D. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of this agreed to modification, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to these changes.

CARGO MISSION CONTRACT

- 6.0 Discrete Tasks
- 6.1 Certify Robotic Refueling Mission (RRM) On-Orbit Transfer Cage (ROTC) Assembly (Part Number 2158510) Foam Clamshell Launch Configuration for H-II Transfer Vehicle (HTV) 4 (SSCN 013788).

The contractor shall perform the following tasks by July 31, 2013 to certify the RRM ROTC Assembly foam clamshell launch configuration for HTV4, supporting launch date currently scheduled for August 3, 2013:

- a) Identify foam clamshell requirements including closure mechanism.
- b) Identify loads and dynamics requirements.
- c) Assess a reduced set of requirements in line with previous clamshell cushions flown as stowage provisions (similar to Progress Stowage Integration Platform (PSIP)/ Integrated Communications Unit (ICU)).
- d) Perform analysis to certify foam clamshell designed to protect and restrain the RRM ROTCC Assembly.
- e) Perform the clamshell/strap strength and fracture analysis and report.
- f) Create the Mass Properties Report.
- g) Generate a stowage layout and cushion fabrication layout drawings.
- h) Perform a safety assessment for the new hardware configuration (similar to an Integrated Bag Level Hazard Analysis (IBLHA)).
- i) Perform all Certification of Flight Readiness (CoFR) activities pertaining to the RRM Clamshell for launch on the HTV4.

6.2 Certify ISS Cargo Bags for SpaceX Interface Definition Document Launch/Return Environments (SSCN 13794)

The contractor shall certify the following bags for the SpaceX Interface Definition Document (IDD) launch and return environments per SSP 50835, ISS Pressurized Volume Hardware Common Interface Requirements Document, by September 30, 2013, assuming receipt of SpaceX loads data by July 19, 2013 and SpaceX strapping data by August 13, 2013:

Part Name	Part Number
Cargo Transfer Bag, Half Size	SEG33111836-301-303
Cargo Transfer Bag, Full Size, With Windows	SEG33111837-301-303-305-307
Cargo Transfer Bag, Full Size, Without Windows	SEG33111838-301-303-305-307
Cargo Transfer Bag, Double Size	SEG33111839-301-303
Cargo Transfer Bag, Triple Size	SEG33111840-301-303
Divider Assembly, Cargo Transfer Bag	SEG33111841-301-303-305-307-309-311-313-
	315-317-319-321-323-325-327-329-331
Pocket Assembly, Cargo Transfer Bag	SEG33111842-301
Cargo Transfer Bag, Redesigned, Half	SEG33122042-301

SECTION C

NNJ10GA35C Modification 74

CARGO MISSION CONTRACT

Cargo Transfer Bag, Redesigned, full	SEG33122043-301	
Cargo Transfer Bag, Redesigned, Double	SEG33122044-301	
Cargo Transfer Bag, Redesigned, Triple	SEG33122045-301	
M01 bag	SEG33111805-301	
M02 bag	SEG33111806-301	
M03 bag	SEG33117683-301	

SECTION J Attachment J-17

NNJ10GA35C Modification 74

CARGO MISSION CONTRACT

Modification #	SSCN	Mod Date	Description	Cost
61	13604	3/05/2013	Perform Thermal Acceptance Tests on the Automated External Defibrillators (AED)s	(b) (4
69	13788	5/17/2013	Certify a foam clamshell to protect and restrain the Robotic Refueling Mission (RRM) On-Orbit Transfer Cage (ROTC) Assembly	
73	13773	6/18/2013	Fabricate a Flight Support Equipment (FSE) enclosure to launch/return the Common Cabin Air Assembly (CCAA) Heat Exchanger (HX) Orbital Replacement Unit (ORU)	
74	13794		Provide a structural analysis update for the ISS Cargo Bags due to updated SpaceX Dragon Increment Definition Document (IDD) launch/ return environments	

J-A17-4

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	AMENDMENT OF MODIFICATION	SOLICITATION/ OF CONTRACT	1, CONTRACT ID COD	E	PAGE OF PAGES
2. AM	ENDMENT/MODIFICATION NO. Mod 75	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REC 4200482324	2. NO. 5. PRO.	JECT NO. (If applicable)
8. ISS	UED BY CODE	јкі	7. ADMINISTERED BY (If other that	n Item 6) CODE	
NAS	A Lyndon B. Johnson Space	Center			
	NASA Parkway				
	BG/Meghan Feeney				
Hou	ston, TX 77058				
8. NAI	AE AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP (Code)		
Lock	heed Martin Integrated Syste	ems, Inc.	,	•	
Attn	Dan Wegner				
	Bay Area Blvd				
Hou	ston, TX 77058				
CODE			FACILITY CODE		
	9A. AMENDMENT OF SOLICITATION	1 NO.	9B. DATED (SEE ITEM 11)		
Х	10A. MODIFICATION OF CONTRAC NNJ10GA35C	T/ORDER NO.	108. DATED (SEE ITEM 13) 12/10/10		
		THIS ITEM ONLY APPLIES TO	AMENDMENTS OF SOLICITATIC	DNS	
Offers	he above numbered solicitation is amend must acknowledge receipt of this amend	ded as set forth in Item 14. The hour ment prior to the hour and date speci	and date specified for receipt of Offers fied in the solicitation or as amended, b	is extended, or one of the following	is not extended. methods:
submit BE RE YOUR	completing Items 8 and 15, and led; or (c) By separate letter or telegram CEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amendment to r makes reference to the solicitation and	which includes a reference to the sol FOR THE RECEIPT OF OFFERS P you desire to change an offer already	RIOR TO THE HOUR AND DATE SPE submitted, such change may be made	ILURE OF YOUR ACH CIFIED MAY RESULT by telegram or letter,	NOWLEDGEMENT TO
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······	13	THIS ITEM APPLIES ONLY TO MOI	DIFICATIONS OF CONTRACTS/ORDE ER NO. AS DESCRIBED IN ITEM 14.(x	RS,	
	A. THIS CHANGE ORDER IS ISSUE CONTRACT ORDER NO. IN ITEM 10	D PURSUANT TO: (Specify authorit	y) THE CHANGES SET FORTH IN ITE	M 14 ARE MADE IN 1	THE
	B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FORTH	RACT/ORDER IS MODIFIED TO REP IN ITEM 14, PURSUANT TO THE A	LECT THE ADMINISTRATIVE CHANG UTHORITY OF FAR 43.103(b).	GES (such as changes	in paying office,
	C. THIS SUPPLEMENTAL AGREEM	ENT IS ENTERED INTO PURSUAN	T TO AUTHORITY OF:		
<u>x</u>	d. OTHER (Specify type of modification Contract Clauses I.1; 52.23	on and authority) 2-22 Limitation of Funds (APR 1984)	······································	
E, IMF	ORTANT: Contractor X is not,	is required to sign this docum	cor	ies to the issuing offic	e
14. de	scription of amendment/modification (On	ganized by UCF section headings, in	cluding solicitation/contract subject ma	tter where feasible.)	

The purpose of this modification is to obligate incremental funding in accordance with Section B.4 NFS Contract Funding. This change increases the amount of funding by \$10,000,000.00 from \$61,085,193.41 to \$71,085,193.41.

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See continuation pages for more details.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon Comeaux, Contracting Officer		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY	16C. DATE SIGNED	
(Signature of person authorized to sign)		(Signature of Contracting Officer)		
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		-105 STANDARD lord (Aug 95)	FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

NNJ10GA35C Modification 75

CARGO MISSION CONTRACT

B.4 NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is (b)(4) This allotment is for cargo mission services and covers the following estimated period of performance: January 1, 2011 through February 12, 2014.
- (b) An additional amount of (b)(4) s obligated under this contract for payment of fee.

(End of clause)

B.5 FUNDING FOR FIXED-PRICE ITEMS PHASE-IN

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

The FP amount obligated and available for FP Milestone Payment for Phase-In is (b)(4)

The TOTAL FP amount obligated and available is (b)(4)

(End of clause)

B.6 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) ORDERS

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and modifications. The tasks may be dynamic in nature and may be performed in a teaming arrangement with the Government or other contractors.

IDIQ work will be ordered by the Government on a cost-reimbursement basis. The Government will issue a cost-reimbursement task order authorizing the contractor to perform all effort, or, alternatively, to define the overall requirements, performance standards, and specifications associated with the work. The Government will utilize the defined requirements, performance standards, and specifications delivered by the contractor to request a proposal for completion of the work. The negotiated proposal will form the basis for the Government to issue a cost reimbursement task order for this work.

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I. NAME AND ADDRESS OF CONTRA	CTOR (No., street, county, State, b	nd Z(P Code)			
Lockheed Martin Engineerin Attni Dan Wegner 2625 Bay Area Blvd Houston, TX 97058	g Services		4		
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10A: MODIFICATION OF CON X NN/10GA35C	tract/order no.	108. DATED (SEE ITEM 19) 12/10/10	an an a	- Ministeria - Ministeria	99 97 2019 2019 20 1
	11. THIS ITEM ONLY ARPLI	ES TO AMENDMENTS OF SOLICI	ATIONS		
Ollers must acknowledge receipt of this ((e) By sompleting flome 6 and 16, and submitted; or (c) By somerate letter or tele BE RECEIVED AT THE PLACE DESIGN YOUR OFFER. If by virtue of this among	mendment prior to the hour and da Copies of the emend gram which includes a reference to ATED FOR THE REOFIPT OF OF ment you desire to change an offer	he hour and date specified for receipt of the specified in the adicitation of as afron ment, (b) By acknowledging receipt of this the solicitation and amondment number HERS PRIOR TO THE HOUR AND DATF rateady submitted, such change may be lived prior to the opening hour and date si	ded, by one of the amendment on e S. FAILURE OP Y SPECIFIED MA Inade by telegran	BCH COPY OF I OUR AOKNO Y RESULT IN	ne ôffor WLEDGEMENT TO REJECTION OF
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eppropriation date, etc.) SET PC	RTH IN ITEM 14, PURSUANT TO	TO REFLECT THE ADMINISTRATIVE O THE AUTHORITY OF FAR 43,103(6).	HANGES (such ó	s changes in I	yaying offica,
G. THIS SUPPLEMENTAL AGE Contract Clause H. 16, Sp	REEMENT IS ENTERED INTO PUR Decial Clause for Contract (RSUANT TO AUTHORITY OF: Changes and IDIQ Task Orders		0.141.1	
d, OTHER (Specify type of maa	ilionilon and authority)				
R. IMPORTANTI Contractor [] is-	rot, 🔀 is required to sign this	s document and return 1	coples to the lat	uing office.	
	n (Organized by UCF section head	lings, including salicitation/contract subja	l maller where fo	asibjo.)	

The purpose of this Supplemental Agreement is to definitize Space Station Change Notice (SSCN) 13789. The contractor shall be authorized to perform Common Communications for Visiting Vehicles (C2V2) fit check activities, MDM Application Development Environment (MADE) Support, and Intermediate Frequency (IF) Test Port. There is no change to contract value.

15A, NAME AND TITLE OF SIGNER (type or print) Dan Wegner, Contraots Administrator		16A. NAME AND TITLE OF CONTRACTING OFFICER Learon J. Comeanix, Contracting Officer	रे (Type or print)
16B. CONTRACTOR/OFFEROR	186, DATE SIGNED 7.30.2013	10B. UNITED STATES OF AMERICA BY Signature of Contracting Officer).	100, DATE SIGNED. 7/30/13
NSN 7840:01-102-8070 PREVIOUS EDITION UNUSABLE			RD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 OFR) 63,243

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A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	Cast
76		Perform Common Communications for Visiting	
		Vehicles (C2V2) fit check activities, MDM	
		Application Development Environment (MADE)	
		Support, and Intermediate Frequency (IF) Test Port.	

- B. Section C Statement of Work (SOW), is hereby updated to add SOW subsection paragraph 6.3, Common Communications for Visiting Vehicles (C2V2) fit check activities, MDM Application Development Environment (MADE) Support, and Intermediate Frequency (IF) Test Port. As a result of this change, replacement pages are attached.
- C. Attachment J-17 Underlimit Pool Changes, is hereby updated to include the following:

Modification #	Mod Date	Description	Cost
76		Perform Common Communications for Visiting	
		Vehicles (C2V2) fit check activities, MDM	
		Application Development Environment (MADE)	
		Support, and Intermediate Frequency (IF) Test Port.	

D. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of this agreed to modification, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to these changes.

CARGO MISSION CONTRACT

6.0 Discrete Tasks

6.1 Certify Robotic Refueling Mission (RRM) On-Orbit Transfer Cage (ROTC) Assembly (Part Number 2158510) Foam Clamshell Launch Configuration for H-II Transfer Vehicle (HTV) 4 (SSCN 013788).

The contractor shall perform the following tasks by July 31, 2013 to certify the RRM ROTC Assembly foam clamshell launch configuration for HTV4, supporting launch date currently scheduled for August 3, 2013:

- a) Identify foam clamshell requirements including closure mechanism.
- b) Identify loads and dynamics requirements.
- c) Assess a reduced set of requirements in line with previous clamshell cushions flown as stowage provisions (similar to Progress Stowage Integration Platform (PSIP)/ Integrated Communications Unit (ICU)).
- d) Perform analysis to certify foam clamshell designed to protect and restrain the RRM ROTCC Assembly.
- e) Perform the clamshell/strap strength and fracture analysis and report.
- f) Create the Mass Properties Report.
- g) Generate a stowage layout and cushion fabrication layout drawings.
- h) Perform a safety assessment for the new hardware configuration (similar to an Integrated Bag Level Hazard Analysis (IBLHA)).
- i) Perform all Certification of Flight Readiness (CoFR) activities pertaining to the RRM Clamshell for launch on the HTV4.

6.2 Certify ISS Cargo Bags for SpaceX Interface Definition Document Launch/Return Environments (SSCN 13794)

The contractor shall certify the following bags for the SpaceX Interface Definition Document (IDD) launch and return environments per SSP 50835, ISS Pressurized Volume Hardware Common Interface Requirements Document, by September 30, 2013, assuming receipt of SpaceX loads data by July 19, 2013 and SpaceX strapping data by August 13, 2013:

Part Name	Part Number
Cargo Transfer Bag, Half Size	SEG33111836-301-303
Cargo Transfer Bag, Full Size, With Windows	SEG33111837-301-303-305-307
Cargo Transfer Bag, Full Size, Without Windows	SEG33111838-301-303-305-307
Cargo Transfer Bag, Double Size	SEG33111839-301-303
Cargo Transfer Bag, Triple Size	SEG33111840-301-303
Divider Assembly, Cargo Transfer Bag	SEG33111841-301-303-305-307-309-311-313- 315-317-319-321-323-325-327-329-331
Pocket Assembly, Cargo Transfer Bag	SEG33111842-301
Cargo Transfer Bag, Redesigned, Half	SEG33122042-301

CARGO MISSION CONTRACT

Cargo Transfer Bag, Redesigned, full	SEG33122043-301
Cargo Transfer Bag, Redesigned, Double	SEG33122044-301
Cargo Transfer Bag, Redesigned, Triple	SEG33122045-301
M01 bag	SEG33111805-301
	SEG33111806-301
M03 bag	SEG33117683-301

6.3 Common Communications for Visiting Vehicles (C2V2) Mechanical Fit-check Activities, MDM Application Development Environment (MADE) Support, and Intermediate Frequency (IF) Test Port (SSCN 13789)

The contractor shall perform the following tasks in support of the C2V2 cable fit-check:

- a) Provide the Common Antenna Assembly (CAA) flight cables (four flights, one spare) by March 10, 2014, to the Vehicle Sustaining Engineering Contract for use in the cable fit-check.
- b) Participate in fit-check activities by reviewing procedures, witnessing the fit-check test, and providing technical support for issue resolution for the CAA flight cables.

	AMENDMENT O MODIFICATION	SOLICITATION/ OF CONTRACT	1. CONTRACT ID CODE	PAGE OF I	
2. A	MENDMENT/MODIFICATION NO. Mod 77	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REG. NO.	6, PROJECT NO, (If ap)	plicabl
6: 19	SSUED BY CODE	BG	7. ADMINISTERED BY (If other than Item 6)	CODE BG	
NA	SA Lyndon B. Johnson Space	Center	NASA Lyndon B, Johnson Space	Center	
	11 NASA Parkway		2101 NASA Parkway		
	n: BG/Learon Comeaux		Attn: BG/Learon Comeaux		
Ho	uston, TX 77058		Houston, TX 77058		
3. N	AME AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIF	° Čode)	a constabilitation and an an an an an and a blight	
Loc	skheed Martin Engineering Sei	vices			
	n: Dan Wegner				
	5 Bay Area Blvd				
	uston, TX 77058				
COD	ξ.		FACILITY CODE		
	9A. AMENDMENT OF SOLICITATION	NO.	9B. DATED (SEE ITEM 11)		
· · · · ·	10A, MODIFICATION OF CONTRACT				
X.	NNJ10GA35C	ORDER NO.	10B. DATED ISEE ITEM 13) 12/10/10		
~	11.1	HIS ITEM ONLY APPLIES TO	O AMENDMENTS OF SOLICITATIONS		·
r let	ECEIVED AT THE PLACE DESIGNATED R OFFER. If by virtue of this amendment y ler makes reference to the solicitation and ACCOUNTING AND APPROPRIATION DA	ou desire to change an offer alread his amendment, and is received p	PRIOR TO THE HOUR AND DATE SPECIFIED MA dy submitted, such change may be made by telegrar for to the opening hour and date specified.	Y RESULT IN REJECTION n or letter, provided each te	l OF legrar
	13. 1	HIS ITEM APPLIES ONLY TO MO	DDIFICATIONS OF CONTRACTS/ORDERS,		- 11
10			DER NO. AS DESCRIBED IN ITEM 14.(X) IV) THE CHANGES SET FORTH IN ITEM 14 ARE I		<u></u>
	CONTRACT ORDER NO. IN ITEM 104				
	B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FORTH I	ACT/ORDER IS MODIFIED TO RE VITEM 14, PURSUANT TO THE /	FLECT THE ADMINISTRATIVE CHANGES (such a AUTHORITY: OF FAR 43.103(b).	is changes in paving office,	
Ķ	C. THIS SUPPLEMENTAL AGREEME Contract Clause H.16, Special	NT IS ENTERED INTO PURSUAN Clause for Contract Chang	IT TO AUTHORITY OF: ges and IDIQ. Task Orders		
	d. OTHER (Specify type of modification	n and authority)			
i IM	PORTANT: Contractor is not,	X is regulfed to sign this docu	ment and return 1 copies to the isi	suing office.	
4. d	escription of amendment/modification (Org	anized by UCF section headings, I	ncluding solicitation/contract subject matter where fe	asible.)	
			o definitize Space Station Change		
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	Continue the contractor shall	be authorized to perfo	orm "add work scope associated w	ith Joint Cargo	
	Ceruncation Leam (JCCT)	cargo integration certi	fication data sets and baseline in t	the Cargo Mission	1
	Contract (CMC) Appendix	J-9 Benign hardware,"	There is no change to contract va	alue.	

15A. NAME AND TITLE OF SIGNER (Type or print) Dan Wegner, Contracts Administrator		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C: DATE SIGNED 08/08/2013	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED 8 08 2013	
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		105 STANDA Srd (Aug 95)	RD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 OFR) 53.243	

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	Cost
77		Perform "add work scope associated with Joint Cargo Certification Team (JCCT) cargo integration certification data sets and baseline in the Cargo Mission Contract (CMC) Appendix J-9 Benign hardware."	(b) (4

- B. Section C Statement of Work (SOW), is hereby updated to add SOW subsection paragraph 3.2.8, Cargo Integration Certification. As a result of this change, replacement pages are attached.
- C. Attachment J-17 Underlimit Pool Changes, is hereby updated to include the following:

Modification #	Mod Date	Description	Cost
77		Perform "add work scope associated with Joint Cargo Certification Team (JCCT) cargo integration certification data sets and baseline in the Cargo Mission Contract (CMC) Appendix J-9 Benign hardware."	(b) (4

D. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of this agreed to modification, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to these changes.

The contractor shall prepare and deliver schedules for all Sustaining Engineering activities to provide the Government with insight into overall project status in accordance with DRD C-PC-05, Cargo Mission Contract Program Schedules.

3.2.8 Cargo Integration Certification

The contractor shall perform the hardware provider function for items on the CMC J-9 Hardware Sustaining list as described in SSP 50835, ISS Pressurized Volume Hardware Common Interface Requirements Document (CIRD).

	AMENDMENT OF SOLICITATION/ MODIFICATION OF CONTRACT		1, CONTRACT ID CODE		
2. AM	ENDMENT/MODIFICATION NO. Mod 78	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJE	CT NO. (II eppliced
6. ISS	UED BY CODE	BG	7. ADMINISTERED BY (If other then item 6)	CODE	BG
NAS	A Lyndon B. Johnson Space	Center	NASA Lyndon B. Johnson Space	Center	Logid Stationers
	NASA Parkway		2101 NASA Parkway		
	BG/Learon Comeaux		Ath: BG/Learon Comeaux		
Hou	ston, TX 77058		Houston, TX 77058		
, NAI	ME AND ADDRESS OF CONTRACTOR	INo., street, county, State, and ZIF	Code)		
Lock	heed Martin Engineering Se	rvices			
	: Dan Wegner				
	Bay Area Blvd				
	ston, TX 77058				
CODE			FACILITY CODE		\$
	94. AMENDMENT OF SOLICITATION	N NO.	9B. DATED (SEE ITEM 11)		
	10A. MODIFICATION OF CONTRACT		10B. DÁTED (SEE ITEM 13)		
X	NNJ10GA35C	NORDER NO.	12/10/10		
				and the second se	1. 1. C
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15A. NAME AND TITLE OF SIGNER (Type or print) Dan Wegner, Contracts Administrator		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer		
15B. CONTRACTORIOFFEROR (Signature of person authorized to sign)	15C, DATE SIGNED 08/08/2013	18B, UNITED STATES OF AMERICA BY (Signature of Contracting Officer) 8/08/		
NSN 7540-01+152-8070 30		-105 ST/ lord (Aug 95)	ANDARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53:243	

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	Cost
78		Update the flight certification for the Lightweight	(b) (4
		Stowage Locker Assembly for the Commercial	
		Resupply Services (CRS) vehicles.	

B. Attachment J-9 - Hardware List, is hereby updated to change the following:

Item Number	Description	Drawing/Part Number	Sustain	
29	Locker Inserts (lightweight)	SED32106209	No-Yes	
33	Shuttle Middeck Locker (Lightweight)	SED32106209	No Yes	
34	Shuttle Middeck Locker Assembly (Lightweight)	V602-660800	No Yes	

Table 1.1-A STOWAGE ACCOMMODATIONS

C. Attachment J-17 - Underlimit Pool Changes, is hereby updated to include the following:

Modification #	Modification # Mod Date Description		Cost
78	in the second	Update the flight certification for the Lightweight	(b) (4
		Stowage Locker Assembly for the Commercial	
		Resupply Services (CRS) vehicles.	

D. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of this agreed to modification, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to these changes.

	AMENDMENT OF SOLICITATION/ MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	<u></u>	PAGE OF PAGES
2. AM	ENDMENT/MODIFICATION NO. Mod 79	3. EFFECTIVE DATE See Block 16C	4. REQU	ISITION/PURCHASE REQ. NO. N/A	5. PROJE	ICT NO. (If applicable)
6. ISS	UED BY CODE	BG	7. ADMI	VISTERED BY (If other than Item 6)	CODE	BG
2101 Attn	NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Attn: BG/Learon Comeaux Houston, TX 77058			Lyndon B. Johnson Space IASA Parkway 3G/Learon Comeaux 3n, TX 77058	Center	
سى <u>مى</u>				JIL 17 7000		·····
Lock Attn 2625	ME AND ADDRESS OF CONTRACTOR Theed Martin Integrated Syste T Dan Wegner Bay Area Blvd Ston, TX 77058		(odə)			21
CODE			FACILITY	CODE	57 YG 3	
	9A. AMENDMENT OF SOLICITATION	N_NO.	9B. DAT	ED (SEE ITEM 11)		
x	10A. MODIFICATION OF CONTRAC NNJ10GA35C	T/ORDER NO.	108. DA	тео <i>(see item</i> 13) /10		
	11.	THIS ITEM ONLY APPLIES TO	AMENDME	ENTS OF SOLICITATIONS	. Andrea	
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.	CONTRACT ORDER NO. IN ITEM 10 B. THE ABOVE NUMBERED CONTR	A. ACT/ORDER IS MODIFIED TO REF	LECT THE?	ADMINISTRATIVE CHANGES (such a		
~	appropriation date, etc.) SET FORTH C. THIS SUPPLEMENTAL AGREEM	ENT IS ENTERED INTO PURSUANT	TOAUTHO	RITY OF:		
X	Contract Clauses I.1; 52.243 a. OTHER (Specify type of modification	and the second se	urseinen	(AUG 1907) Alleringen (AT N 120	*/
E. IMP	PORTANT: Contractor Sinot,	X is required to sign this docum	ient and retu	rn <u>1</u> copies to the is	suing office;	
14. de	scription of amendment/modification <i>(Or</i>)	ganized by UOF section headings, in	10002500 0000 0000 000000000000000000000		eðsible.)	
	NAME AND TITLE OF SIGNER (Type or			ME AND TITLE OF CONTRACTING	-1 -	ype or print)
	Wegner, Contracts Administ	rator		Comeaux, Contracting O	fficer	
16B. 0	CONTRACTORIOFFEROR	15C. DATE SIGNED	16B. UN	TTED STATES OF AMERICA	-	180, DATE SIGNED

(de la la marine	8.26.2013	BY Le	
(Signalure of person authorized to sign)		(Sighature of Contracting Officer)	
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30-1 JSC MS Wor		

STANDARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53,243

9

- A. The purpose of this Supplemental Agreement is to incorporate the additional cost and fee awarded under Task Order No. 002 in Section B of the conformed contract. The contractor is hereby authorized to develop build-to-print Redesigned Cargo Transfer Bags (RCTB) for International Partners (IP) and Commercial Vehicle Flights.
- B. Clause B.2, Total Contract Value is hereby revised to reflect the increase from \$76,294,172 by \$2,051,327 to \$78,345,499 in cumulative contract value. As a result of this change, clause B.2 is hereby updated as follows (changes noted in bold and italics).

B.2TOTAL CONTRACT VALUE

The current cumulative contract value is *\$78,345,499* (including the Firm Fixed-Price (FFP) Phase-In, all Task Orders issued to date and Underlimit Pool for Contract Year 2).

Task Order (TO) No. 001 was issued on July 12, 2011 that consisted a total price of (b) (4) (b) (4) in cost and (b) (4) in fee). Task Order No. 001, Revision 01 was issued on June 8, 2012 with a total increase in price of (b) (4) ((b) (4) in cost and (b) (4) in fee). The total revised price for TO 001 is (b) (4) (b) (4) in cost and (b) (4) in fee).

TO No. 002 was issued on June 28, 2013 for a total price of (b)(4)((5(b)(4))) in cost and (b)(4) in fee).

The minimum amount of IDIQ supplies and services ordered in total and paid for under this contract shall be <u>\$15,000</u>.

The maximum not-to-exceed (NTE) value of IDIQ supplies and services ordered in total under this contract is <u>\$20 Million</u>, which includes incidental materials and travel. The maximum NTE amount does not reflect an obligation of the Government. The Government's obligation hereunder shall be based on that specified in the task/delivery orders issued during the period of the contract.

Basic Period of Performance Table

	Maximum Contract Value
Phase-In (ref Clause B.5)	(l_{2}) (A)
CPAF (ref Clause B.3)	(D)(4)
Remaining IDIQ (NTE)	
TOTAL	

Option 1 Table

	Maximum Contract Value
CPAF (ref Clause B.3)	
Remaining IDIQ (NTE)	
TOTAL	

Option 2 Table

	Maximum Contract Value
CPAF (ref Clause B.3)	(b) (1)
Remaining IDIQ (NTE)	(D)(4)
TOTAL	

Option 3 Table

	Maximum Contract Value
CPAF (ref Clause B.3)	(b)(1)
Remaining IDIQ (NTE)	(D)(4)
TOTAL	

Option 4 Table

	Maximum Contract Value
CPAF (ref Clause B.3)	(b)(4)
Remaining IDIQ (NTE)	
TOTAL	

Total Table

	Maximum Contract Value
FFP	(b) (1)
CPAF (ref Clause B.3)	
Remaining IDIQ (NTE)	
TOTAL	\$180,341,558

(End of clause)

C. Clause B.3, NFS 1852.216-85 Estimated Cost and Award Fee is hereby revised to reflect the increase from (b) (4) and the award fee increased from (b) (4) As a result of this change, clause B.3 is hereby updated as follows (changes noted in bold and italics).

B.3NFS 1852.216-85 ESTIMATED COST AND AWARD FEE (SEP 1993)

The estimated cost of this contract is (b)(4). The maximum available award fee, excluding base fee, if any, is (b)(4). Total estimated cost, base fee, and maximum award fee is <u>\$163,761,016</u>.

(End of clause)

D. Clause B.7 Award Fee is hereby revised to reflect the increase of the available fee total from (b) (4) As a result of this change, clause B.7 hereby updated as follows (changes noted in bold and italics).

B.7 AWARD FEE

The amount of fee earned by the contractor shall be determined in accordance with Attachment J-5, Award Fee Evaluation Plan.

The amount of available and earned fee, by evaluation period, is provided in Table B-5 below:

Basic	Evaluation Periods	Available Fee	Earned Fee	Score	Rating	AF Payment Mod
1	04/01/11 - 09/30/11			96	Excellent	Mod 20
2	10/01/11 – 3/31/12		(4)	96	Excellent	Mod 35
3	04/01/12 - 09/30/12			97	Excellent	Mod 53
4	10/01/12 – 3/31/13			97	Excellent	Mod 67
5	04/01/13 – 09/30/13					
6	10/01/13 – 03/31/14					
	TOTAL					
Option 1	Evaluation Periods					

7	04/01/14 – 09/30/14	(b) (4)	\$ -	
8	10/01/14 – 03/31/15		\$ -	
Option 2	Evaluation Periods			
9	04/01/15 – 09/30/15		\$ -	
10	10/01/15 – 03/31/16		\$ -	
Option 3	Evaluation Periods			
11	04/01/16 – 09/30/16		\$ -	
12	10/01/16 – 03/31/17		\$ -	
Option	Evaluation			
4	Periods			
13	04/01/17 – 09/30/17		\$ 	
14	10/01/17 – 03/31/18		\$ -	

(End of clause)

E. Section H.5 – NFS 1852.235-71 Key Personnel and Facilities, is hereby revised to remove Jerry McDonald as Duputy Program Manager and add Michael Gerlach as Duputy Program Manager. As a result of this change, section H.5 is hereby updated as follows (changes noted in bold and italics).

H.5NFS 1852.235-71 KEY PERSONNEL AND FACILITIES (MAR 1989)

(a) The personnel and/or facilities listed below (or specified in the contract Schedule) are considered essential to the work being performed under this contract. Before removing, replacing, or diverting any of the listed or specified personnel or facilities, the contractor shall (1) notify the Contracting Officer reasonably in advance, and (2) submit justification (including proposed substitutions) in sufficient detail to permit evaluation of the impact on this contract.

(b) The contractor shall make no diversion without the Contracting Officer's written consent; provided that the Contracting Officer may ratify in writing the proposed change, and that ratification shall constitute the Contracting Officer's consent required by this clause.

(c) The list of personnel and/or facilities (shown below or as specified in the contract schedule) may, with the consent of the contracting parties, be amended from time to time during the course of the contract to add or delete personnel and/or facilities.

Jerry McDonal	d - Program Manager
Michael Gerla	ch – Deputy Program Manager
(b) (1)	 Business Manager
(D) (4)	 Business Manager Safety and Mission Assurance

(End of clause)

F. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of this agreed to modification, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to these changes.

					pprovai	NO. 27	00-0042
AMENDMENT OF SOLICITATION/ MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE C	F PAGES
2. AMEN	IDMENT/MODIFICATION NO. Mod 80	3. EFFECTIVE DATE See Block 16C	4. REQU	ISITION/PURCHASE REQ. NO. N/A	5. PROJE	CT NO. (If	applicable)
6. ISSUE	ED BY CODE	BG	7. ADMI	NISTERED BY (If other than Item 6)	CODE	BG	
NASA	Lyndon B. Johnson Space	Center	NASA	Lyndon B. Johnson Space	Center		
	JASA Parkway			ASA Parkway			
Attn: E	3G/Learon Comeaux		Attn: E	G/Learon Comeaux			
Houst	on, TX 77058		Houst	on, TX 77058			
8. NAME	AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP Cc	de)				
Lockhe	eed Martin Integrated Syste	ems, Inc.					
Attn: 1	Dan Wegner						
2625 B	ay Area Blvd						
Houst	on, TX 77058						
CODE			FACILITY	CODE			
ę	9A. AMENDMENT OF SOLICITATION	I NO.	9B. DAT	ED (SEE ITEM 11)			
	10A. MODIFICATION OF CONTRACT NNJ10GA35C	ORDER NO.	10B. DA [.] 12/10/	тед <i>(See Item 13)</i> ′10			
	11	THIS ITEM ONLY APPLIES TO A	MENDME	NTS OF SOLICITATIONS			
	above numbered solicitation is amend ust acknowledge receipt of this amendr				extended, e following me		ot extended.
submitted	mpleting Items 8 and 15, and d; or (c) By separate letter or telegram v EIVED AT THE PLACE DESIGNATED	which includes a reference to the solic	ita ion and		OUR ACKN	OWLEDGE	
	FFER. If by virtue of this amendment y	с ,			n or letter, pro	ovided eac	h telegram
	nakes reference to the solicitation and	· · · · · ·	to the open	ing hour and date specified.			
12. ACC	OUNTING AND APPROPRIATION DA	TA (If required) N/A					
		THIS ITEM APPLIES ONLY TO MODI MODIFIES THE CONTRACT/ORDEF					
	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropria ion date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).				ice,		
	C. THIS SUPPLEMENTAL AGREEME	ENT IS ENTERED INTO PURSUANT	TO AUTHO	RITY OF:			
	d. OTHER (Specify type of modification Contract Clauses I.1; 52.243		rsement	t (AUG 1987) Alternate II (APR 1984	L)	
E. IMPO	RTANT: Contractor is not,	X is required to sign this docume	nt and retu	rn <u>1</u> copies to the is	suing office.		

14. description of amendment/modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible)

See continuation pages for more details.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (7	Type or print)
Dan Wegner, Contracts Administrator		Learon Comeaux, Contracting Officer	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30-1 JSC MS Wo	05 STANDARD	FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

- A. The purpose of this Supplemental Agreement is to incorporate the additional cost and fee awarded under Task Order No. 003 in Section B of the conformed contract. The contractor is hereby authorized to acquire and certify a new digital still camera system hardware for the International Space Station (ISS) Intra-vehicular Activity (IVA) and Extra-vehicular Activity (EVA).
- B. Clause B.2, Total Contract Value is hereby revised to reflect the increase from \$78,345,499 by \$964,488 to \$79,309,987 in cumulative contract value. As a result of this change, clause B.2 is hereby updated as follows (changes noted in bold and italics).

B.2 TOTAL CONTRACT VALUE

The current cumulative contract value is <u>\$79,309,987 (including the Firm Fixed-Price (FFP) Phase-In, all Task</u> Orders issued to date and Underlimit Pool for Contract Year 3).

Task Order (TO) No. 001 was issued on July 12, 2011 that consisted a total price of \$ (b) (4) (\$2,907,020 in cost and \$ (b) (4) in fee). Task Order No. 001, Revision 01 was issued on June 8, 2012 with a total increase in price of \$ (\$375,501 in cost and \$ (b) (4) in fee). The total revised price for TO 001 is \$ (b) (4) (\$ (b) (4) in cost and \$ (b) (4) in fee).

TO No. 002 was issued on June 28, 2013 for a total price of \$2,051,327 (\$ (b) (4) in cost and \$ (b) (4) in fee).

TO No. 003 was issued on August 28, 2013 for a total price of \$964,488 (\$ (b) (4) in cost and \$(b) (4) in fee).

The minimum amount of IDIQ supplies and services ordered in total and paid for under this contract shall be \$15,000.

The maximum not-to-exceed (NTE) value of IDIQ supplies and services ordered in total under this contract is <u>\$20 Million</u>, which includes incidental materials and travel. The maximum NTE amount does not reflect an obligation of the Government. The Government's obligation hereunder shall be based on that specified in the task/delivery orders issued during the period of the contract.

Basic Period of Performance Table

	Maximum Contra	act Value
Phase-In (ref Clause B.5)		
CPAF (ref Clause B.3)		
Remaining IDIQ (NTE)		
TOTAL		

Option 1 Table

	Maximum Contract Value
CPAF (ref Clause B.3)	
Remaining IDIQ (NTE)	
TOTAL	

Option 2 Table

	Maximum Contract Value	
CPAF (ref Clause B.3)		
Remaining IDIQ (NTE)		
TOTAL		

Option 3 Table

Maximum Contract Value		

Option 4 Table

	Maximum Contract Value		
CPAF (ref Clause B.3)			
Remaining IDIQ (NTE)			
TOTAL			

Total Table

	Maximum Contract Value
FFP	
CPAF (ref Clause B.3)	
Remaining IDIQ (NTE)	
TOTAL	\$180,341,558

(End of clause)

C. Clause B.3, NFS 1852.216-85 Estimated Cost and Award Fee is hereby revised to reflect the increase from (b) (4) and the award fee increased from (b) (4) (b) (4) As a result of this change, clause B.3 is hereby updated as follows (changes noted in bold and italics).

B.3 NFS 1852.216-85 ESTIMATED COST AND AWARD FEE (SEP 1993)

The estimated cost of this contract is $\frac{2}{2}$ (b) (4) The maximum available award fee, excluding base fee, if any, is $\frac{2}{2}$ (b) (4) Total estimated cost, base fee, and maximum award fee is $\frac{2}{2}$ (b) (4)

(End of clause)

B.7 AWARD FEE

Table B-5 Available and Farned Fee

The amount of fee earned by the contractor shall be determined in accordance with Attachment J-5, Award Fee Evaluation Plan.

Table D-5	Available and	Eatheu ree		1		
Basic	Evaluation Periods	Available Fee	Earned Fee	Score	Rating	AF Payment Mod
1	04/01/11 - 09/30/11	(h)	(4)	96	Excellent	Mod 20
2	10/01/11 - 3/31/12			96	Excellent	Mod 35
3	04/01/12 - 09/30/12			97	Excellent	Mod 53
4	10/01/12 - 3/31/13			97	Excellent	Mod 67
5	04/01/13 - 09/30/13					

The amount of available and earned fee, by evaluation period, is provided in Table B-5 below:

6	10/01/13 - 03/31/14	(b)	(4)	 \$ -		
	TOTAL			(b) (4)		
Option 1	Evaluati					
	on					
	Periods					
7	04/01/14			\$ -		
	-					
8	09/30/14			\$ -		
0	10/01/14			\$ -		
	03/31/15					
Option 2	Evaluati					
-	on					
	Periods					
9	04/01/15			\$ -		
	-					
10	09/30/15			 <u></u>		
10	10/01/15			\$ -		
	03/31/16					
Option 3	Evaluati					
1	on					
	Periods					
11	04/01/16			\$ -		
	-					
10	09/30/16			<u>_</u>		
12	10/01/16			\$ -		
	03/31/17					
Option 4	Evaluati					
	on					
	Periods					
13	04/01/17			\$ -		
	-					
	09/30/17			 +		
14	10/01/17			\$ -		
	- 03/31/10					
	03/31/18					

(End of clause)

E. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of this agreed to modification, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to these changes.

AMENDMENT OF SOLICITATION/ MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE OF PAGES			
2. AM	ENDMENT/MODIFICATION N Mod 81	0.	3. EFFECTIVE DATE See Block 16C			CT NO. (If applicable)		
6. ISS	UED BY	CODE	ЈКІ	7. ADMI	NISTERED BY (If other than Item 6)	CODE		
2101 Attn:	A Lyndon B. Johnsor NASA Parkway BG/Learon Comeau ston, TX 77058		Center	-				
8. NAM	AND ADDRESS OF CONT	RACTOR	(No., street, county, State, and ZIP Co	ode)				
Attn: 2625	heed Martin Integrate Dan Wegner Bay Area Blvd ston, TX 77058	ed Syste	ems, Inc.					
CODE				FACILITY	CODE			
	9A. AMENDMENT OF SOL	ICITATION	I NO.	9B. DAT	ED (SEE ITEM 11)			
Х	10A. MODIFICATION OF C NNJ10GA35C	ONTRACT	/ORDER NO.	10B. DATED (SEE ITEM 13) 12/10/10				
		11.	THIS ITEM ONLY APPLIES TO A		NTS OF SOLICITATIONS			
(a) By a submitt BE RE YOUR	must acknowledge receipt of t completing Items 8 and 15, an red; or (c) By separate letter or CEIVED AT THE PLACE DES OFFER. If by virtue of this an	his amendr d telegram IGNATED hendment y	Copies of the amendment; (b) which includes a reference to the solic FOR THE RECEIPT OF OFFERS PR	ed in the so By acknowl sitation and NOR TO TH submitted, s	licitation or as amended, by one of the edging receipt of this amendment on e amendment numbers. FAILURE OF N E HOUR AND DATE SPECIFIED MA uch change may be made by telegran	each copy of OUR ACKN Y RESULT IN	the offor OWLEDGEMENT TO N REJECTION OF	
	COUNTING AND APPROPR							
			THIS ITEM APPLIES ONLY TO MOD MODIFIES THE CONTRACT/ORDE	FICATIONS	OF CONTRACTS/ORDERS,			
	A. THIS CHANGE ORDER CONTRACT ORDER NO. II) THE CHAI	NGES SET FORTH IN ITEM 14 ARE I	MADE IN THI		
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).							
	C. THIS SUPPLEMENTAL	AGREEM	ENT IS ENTERED INTO PURSUANT	TO AUTHO	RITY OF:			
x	d. OTHER (Specify type of Contract Clauses I.	modificatio 1; 52.232	on and authority) 2-22 Limitation of Funds (A	APR 1984	ł)			
E. IMP	ORTANT: Contractor	is not,	is required to sign this docume	ent and retu	rn copies to the is	suing office.		
11 10	againtian of amondmont/modifi	cation (Or	apized by LICE section headings inc	ludina solici	ation/contract subject matter where fe	asible)		

14. description of amendment/modification (Organized by UCF section headings, including solicitation/cor ract subje

The purpose of this modification is to obligate incremental funding in accordance with Section B.4 NFS Contract Funding. This change increases the amount of funding by \$1,100,000.00 from \$71,085,193.41 to \$72,185,193.41.

See continuation pages for more details.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
		Learon Comeaux, Contracting Officer			
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA, BY	16C. DATE SIGNED		
(Signature of person authorized to sign)		(Signature of Contracting Officer)	1/10/2013		
NSN 7540-01-152-8070			FORM 30 (Rev. 10-83)		
PREVIOUS EDITION UNUSABLE	JSC MS W	ord (Aug 95)	Prescribed by GSA FAR (48 CFR) 53.243		

B.4 NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is (b) (4) This allotment is for cargo mission services and covers the following estimated period of performance: January 1, 2011 through February 19, 2014.
- (b) An additional amount of (b) (4) sobligated under this contract for payment of fee.

(End of clause)

B.5 FUNDING FOR FIXED-PRICE ITEMS PHASE-IN

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

The FP amount obligated and available for FP Milestone Payment for Phase-In is (b) (4)

The TOTAL FP amount obligated and available is

(End of clause)

B.6 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) ORDERS

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and modifications. The tasks may be dynamic in nature and may be performed in a teaming arrangement with the Government or other contractors.

IDIQ work will be ordered by the Government on a cost-reimbursement basis. The Government will issue a cost-reimbursement task order authorizing the contractor to perform all effort, or, alternatively, to define the overall requirements, performance standards, and specifications associated with the work. The Government will utilize the defined requirements, performance standards, and specifications delivered by the contractor to request a proposal for completion of the work. The negotiated proposal will form the basis for the Government to issue a cost reimbursement task order for this work.

AMENDMENT OF SOLICITATION/ MODIFICATION OF CONTRACT				1. CONTRACT ID CODE PA			
2. AM	ENDMENT/MODIFICATION NO. Mod 83	3. EFFECTIVE DATE See Block 16C	4. REQU	ISITION/PURCHASE REQ. NO.	5. PROJE	CT NO. (If applicable)	
6. ISS	SUED BY CODE	BG	7. ADMI	NISTERED BY (If other than Item 6)	CODE	BG	
NAS	A Lyndon B. Johnson Space	Center	NASA	Lyndon B. Johnson Space	Center		
	NASA Parkway			IASA Parkway			
Attn	: BG/Janet G. Arkinson			BG/Janet G. Arkinson			
Hou	ston, TX 77058			on, TX 77058			
8. NA	ME AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP	Code)				
Lock	heed Martin Engineering Ser	vices					
	: Dan Wegner						
	Bay Area Blvd						
	ston, TX 77058						
CODE	9A. AMENDMENT OF SOLICITATION		FACILITY				
	A AMENDMENT OF SOLICITATION	i NO.	SP. DAT	ED (SEE ITEM 11)			
	10A. MODIFICATION OF CONTRACT	VORDER NO.	108. DA	TED (SEE ITEM 13)			
Х	NNJ10GA35C		12/10/10				
	11.	THIS ITEM ONLY APPLIES TO	AMENDME	NTS OF SOLICITATIONS			
submit BE RE YOUR or lette	completing Items 8 and 15, and ted; or (c) By separate letter or telegram v CEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amendment y r makes reference to the solicitation and CCOUNTING AND APPROPRIATION DA	which includes a reference to the se FOR THE RECEIPT OF OFFERS ou desire to change an offer airead this amendment, and is received pr	olicitation and a PRIOR TO TH dy submitted, s	E HOUR AND DATE SPECIFIED MA uch change may be made by telegran	YOUR ACKN	OWLEDGEMENT TO	
	13. 1 IT	THIS ITEM APPLIES ONLY TO MO MODIFIES THE CONTRACT/ORD		OF CONTRACTS/ORDERS,			
	A. THIS CHANGE ORDER IS ISSUED	PURSUANT TO: (Specify author			MADE IN THI	E	
	B. THE ABOVE NUMBERED CONTR. appropriation date, etc.) SET FORTH I	ACT/ORDER IS MODIFIED TO RE N ITEM 14, PURSUANT TO THE A	FLECT THE A	DMINISTRATIVE CHANGES (such a F FAR 43.103(b).	s changes in	paying office,	
x	C. THIS SUPPLEMENTAL AGREEME Contract Clause H.16, Special	ENT IS ENTERED INTO PURSUAN Clause for Contract Chang	NT TO AUTHO	RITY OF: Q Task Orders			
	d. OTHER (Specify type of modificatio	and the second statements and the second statements and the second statements and the second statements and the					
E. IMP	ORTANT: Contractor is not,	X is required to sign this docu	ment and retur	n <u>1</u> copies to the is:	suing office.		
14. de:	scription of amendment/modification (Org	anized by UCF section headings, i	ncluding solicit	ation/contract subject matter where fe	asible.)		
Г	The purpose of this Suppler 3902, "Certify Stowage Cl	mental Agreement is to	o definitiz	e Space Station Change	Notice (SSCN)	

15A. NAME AND TITLE OF SIGNER (Type or print) Dan Wegner, Contracts Administrator		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Janet G. Arkinson, Contracting Officer		
15B. CONTRACTOR/ORFEROR (Signature of person authorized to sign)	15C. DATE SIGNED 10.4.2013	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED 10-04-13	
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		105 STANDA ord (Aug 95)	ARD FORM 30 (Rev. 10-83) Prescribed by GSA	

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	Cost	
83		Certify Stowage Clamshells to Protect Large Hardware Items for Launch/Return	(b) (4	

B. Section C - Statement of Work, Table of Contents, is hereby updated to add the following:

Appendix A ISS Program Stowage Provision Labeling Guidelines

C. Section C - Statement of Work, Section 4.4.4 is hereby updated to add the following (changes noted by underline):

4.4.4 Labeling

If hardware is not pre-labeled or is labeled incorrectly and the hardware provider cannot add or replace the label prior to the start of bag packing, the contractor shall apply contingency labels on the hardware according to the directions of the hardware provider to complete labeling requirements. If the coordination and application of contingency labeling cannot be completed prior to the required NLI need date, the contractor shall inform the Government.

The contractor shall produce flight labels for all packed stowage configurations developed by this contractor. CTB labels shall be produced in accordance with drawing number SEG 32106109 (4 inch Contents Label) and installed in accordance with SSP 50005, Flight Crew Integration Standard (NASA-STD-3000/T). The contractor shall label stowage provisions in accordance with Appendix A, ISS Program Stowage Provision Labeling Guidelines.

D. Section C - Statement of Work, Section 4.4.12 is hereby added as follows:

4.4.12 Certify Foam Clamshells for large hardware items to be flown on logistics flights (SSCN 13902)

The contractor shall provide foam clamshells for launching large hardware items on logistics flights. The contractor shall define requirements, build and certify the clamshells, and provide CoFR of the clamshells in the launch configuration.

- E. Section C Statement of Work, Appendix A is hereby added. Appendix A is attached in its entirety.
- F. Attachment J-17 Underlimit Pool Changes, is hereby updated to include the following:

Modification #	Mod Date	Description	Cost	
83		Certify Stowage Clamshells to Protect Large Hardware Items for Launch/Return	(b) (4	

G. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of this agreed to modification, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to these changes.

APPENDIX A ISS PROGRAM STOWAGE PROVISION LABELING GUIDELINES

1. INTRODUCTION

1.1. This appendix identifies the ISS Program stowage provision labeling guidelines for all NASA or IP ISS cargo packed by the contractor for launch. When labeling the stowage all text should be applied using sentence case with the exception of acronyms, which should be in all caps (example, For Smith, For TVIS, Trash after installation). Unless otherwise specified labels should be applied to the outward facing surface such that the crew will view the label as they face the rack or open the rack/bag/container.

2. GENERIC STOWAGE PROVISIONS LABELING GUIDELINES

- 2.1. Operational Nomenclature (OpNom) Labeling
 - 2.1.1. Label the provision with the hardware OpNom in the largest font. If OpNom not required (in Midas) use part name.
 - 2.1.2. If only two items inside the stowage provision, the OpNom for both items should be labeled on the outside of the stowage provision.
 - 2.1.3. For stowage provisions containing more than two items, label the outside of the stowage provisions with the title if defined at the drawing review. This circumvents 2.1.2. and 2.3.

2.2. Toxicology (Tox) Labeling

- 2.2.1. For hardware with a toxicology rating (0,1,2,3,4), label the outside surface of the stowage provisions containing the hardware in the lower left corner.
- 2.2.2. Tox labeling is only required on opaque stowage provisions.
- 2.2.3. Hardware which is exempt from tox labeling does require provision label.
- 2.3. Part number
 - 2.3.1. The part number (P/N) of the hardware contained within the stowage provision should be labeled on the crew-facing surface below the OpNom with the "P/N" preface.
 - 2.3.2. List the quantity (Qty) next to the OpNom with the "Qty" preface.
- 2.4. Special Handling Requirements
 - 2.4.1. For hardware that is electrostatic discharge (ESD) sensitive; ESD-sensitivity should be indicated on the outside of the stowage provision that contains the hardware. "ESD-Sensitive" should be labeled in the lower left corner of the crew facing surface.
 - 2.4.2. For pressure vessels, pressure vessel contained should be indicated on the stowage provisions in the lower left corner of the crew facing surface. Label "Contents Under Pressure."
- 2.5. Custom Notes

- 2.5.1. Custom inputs to the labeling may be provided during the Drawing Review or Packing Readiness Review. Notes should be applied below the OpNom and part number and enclosed in parenthesis and sentence case (example; For Smith, For TVIS).
- 2.6. If a single item is in two (2) stowage provisions (ex: double bubble) labeling required on outer bag only.

3. UNIQUE GUIDELINES FOR FOAM LABELING

- 3.1. Foam Part Number and Qty
 - 3.1.1. The part number and piece count "X of X pieces" of the foam should be labeled on the external surface of non-FJB or FJT part numbered foam on a non-crew facing surface (foam part number nomenclature: F = Foam, J=Johnson Space Center, B = Block, and T = Triangle).
 - 3.1.2. The part number of the foam should be labeled on all FJB and FJT filler foam on the noncrew facing surface.
- 3.2. Foam Type
 - 3.2.1. Foam type should be written on the external surface of the foam under the existing foam P/N label in same size font as foam part number label.
 - 3.2.2. Non-Covered Minicel foam must be labeled "Foam must be stowed in a non-flammable stowage bag or locker".
- 3.3. Foam Disposal Status
 - 3.3.1. Disposal status should be written on the inside of the foam container so the crew sees what to do with the foam once the hardware is removed.
 - 3.3.2. The Disposal status should be defined as one of:
 - 3.3.2.1. "Trash": For foam that is known that it should be discarded at any time.
 - 3.3.2.2. "Keep": For foam that is known that it should be kept.
 - 3.3.2.3. "Trash after installation": For foam that is known that it should be discarded after the hardware is installed.
 - 3.3.2.4. Leave Blank: for foam that it is unknown if it can be trashed or kept (better to say nothing than to say the wrong thing).
 - 3.3.2.5. Custom: Denoting an above status with additional notes.
 - 3.3.3. For filler cushions inside cargo transfer bags and M bags, the disposal status should be on the crew facing surface of the foam that the crew will see as they face the open rack/bag/container.
 - 3.3.4. For identified foam caps that transfer to the ISS with Orbital Replacement Units (ORUs), highlight in yellow the words "Transfer foam cap with XXX ORU" specifying the ORU

OpNom. Foam caps will be identified through the LRODS and Pressurized Cargo Integration Analysis process.

- 3.4. Launch Locations for M-bag cushions
 - 3.4.1. For all M-Bag foam cushion, label the foam with the bag serial number (S/N) as "Bag S/N ###" in the lower right corner of the crew facing cushion surface as they face the open Mbag
- 3.5. Special Handling Requirements
 - 3.5.1. For foam containing hardware with keep out zones, add a note stating "Caution: Hardware has Keep out Zones Labeled" on the outside of foam in the lower left corner of the crew facing cushion surface in addition identify sensitive or keep out zones on the foam.
 - 3.5.2. Arrows/various colors should be marked on foam to simplify re-assembly for the on-orbit crew when cushion boxes are complex if identified at drawing review.
- 3.6. Bag Filler foam
 - 3.6.1. For bags containing multiple pieces of filler foam, apply Velcro to the foam to assist the crew with restraining the foam during packing and unpacking.

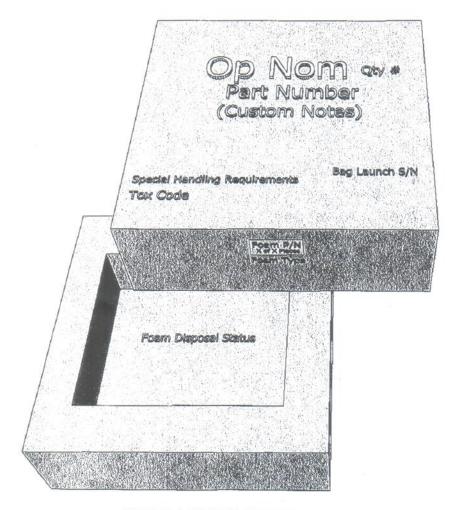


FIGURE 1: FOAM LABELING EXAMPLE



FIGURE 2: ZIPLOCK AND BUBBLEWRAP LABELING EXAMPLE

4. CARGO TRANSFER BAG (CTB) TITLE AND CONTENTS LABEL GUIDELINES

- 4.1. Bag Title and Contents Labels are controlled by the four (4) Inch Label engineering drawing P/N SEG32106109. Reference the document on Engineering Drawing Control Center (EDCC).
- 4.2. Custom inputs to the Bag Title and/or Content Label drawing may be provided during the Drawing Review or Packing Readiness Review.
- 5. RUSSIAN VEHICLE CARGO UNIQUE GUIDELINES
 - 5.1. Teflon does not need to be labeled as a stowage provision (contents), if all sub-pack item labels are clearly visible. If sub-pack item labels are obstructed, top level Teflon must have a summary of all sub-pack contents.
 - 5.2. Bag Contents Labels will include hardware part numbers per Russian requirements.
 - 5.3. Barcodes will be applied to the lower right corner of the outermost layer of containment (i.e. Teflon bags, kynar bags). Reference Figure 3.
 - 5.4. Stowage provision foam not contained in a CTB or other type of containment will have a barcode applied to lower right corner of the outward facing surface.

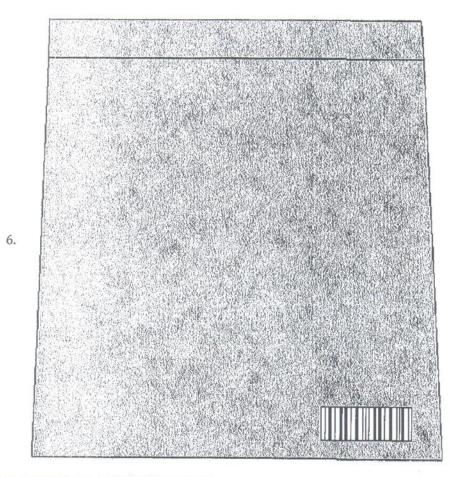


FIGURE 3: BARCODE PLACEMENT EXAMPLE

AMENDMENT OF SOLICITATION/ MODIFICATION OF CONTRACT			1. CONTRACT ID GODE		PAGE OF PAGES 1, 2
2. AME	NDMENT/MODIFICATION NO. Mod 84	3. EFFECTIVE DATE Sec. Block 16C	4. REQUISITION/PURCHASE REQ. NO. 4200494723	8. PROJE	CT NO. (II applicable)
6. ISSU	ED BY CODE		7. ADMINISTERED BY (If other than Item 6)	ÇODE	
NAS/	Lyndon B. Johnson Space	Center	NASA Lyndon B. Johnson Space	Center	
2101]	NASA Parkway		2101 NASA Parkway		
	BG/Kendrea D. Vallien		Attn: BG/Sophia Mo		
Hous	ton, TX 77058		Houston, TX 77058		
8. NAM	E AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP C	ode)		<u> </u>
Locki	reed Martin Integrated Syste	ems, Inc.			
	Dan Wegner				
	Bay Area Blvd				
	ton, TX 77058				
CODE	NO IN THE REPORT OF	the second s	FACILITY CODE		
	9A. AMENDMENT OF SOLICITATION	I ŅQ.	98, DATED (SEE ITEM 11)		
	104 NODERATIONAD CONTRACT		10B. DATED (SEE ITEM 13)	,	
X	10A. MODIFICATION OF CONTRACT/ORDER NO. NNJ10GA35C		12/10/10		
	<u></u>	THIS ITEM ONLY APPLIES TO /	MENDMENTS OF SOLICITATIONS	al constants	
Offers n	e above numbered solicitation is amend inst acknowledge receipt of this amend	led as set forth in item 14. The hour r nent prior to the hour and date specifi	and date specified for receipt of Offers in a la ed in the solicitation of as amended, by one of th	extended, e following me	is not extended, thods:
(a) By completing items 8 and 15, and Copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offor submitted, or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRICE TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER, if by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and strends of the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (If required) Increase funding by \$1,345,742,80					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS,					
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14 (X) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGESISET FORTH IN ITEM 14 ARE MADE IN THE					
CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14. PURSUANT TO THE AUTHORITY OF FAR 43.103(b).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
d. OTHER (Specify lype of modification and authority) X Contract Clauses I.1; 52.232-22 Limitation of Funds (APR 1984)					
E, IMPORTANT: Contractor X is not. Its required to sign this document and return copies to the issuing office.					
· · · · · · · · · · · · · · · · · · ·	The state of the second state	and a second	and a second	1. XX -	

14. description of amendment/modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to obligate incremental funding in accordance with Section B.4 NFS Contract Funding. This change increases the amount of funding by \$1,345,742.80 from \$72,185,193.41 to \$73,530,936.21.

See continuation pages for more details.

15A, NAME AND TITLE OF SIGNER (Type or print)		18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Kendrea D. Vallien, Contracting Officer		
15B. CONTRACTOR/OFFEROR (Signature of person-authorized to sign)	15C. DATE SIGNED	16B, UNITED STATES OF AMERICA BUSE AND	190. DATE SIGNED 11-7-73	
NSN 7640-01-152-8070 PREVIOUS EDITION UNUSABLE		-105 STANDAF ford (Aug 95)	D FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53,243	

1

B.4 NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of the bar and the particular part of the provide the following estimated period of performance: January 1, 2011 through February 26, 2014.
- (b) An additional amount on the solution of the solution of fee.

(End of clause)

B.5 FUNDING FOR FIXED-PRICE ITEMS PHASE-IN

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

The FP concerns obligated and available for FP Milestone Payment for Phase-In is

(b)(4)

(b)(4)

The TOTAL FP amount obligated and available is

(End of clause)

B.6 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIO) ORDERS

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and modifications. The tasks may be dynamic in nature and may be performed in a teaming arrangement with the Government or other contractors.

IDIQ work will be ordered by the Government on a cost-reimbursement basis. The Government will issue a cost-reimbursement task order authorizing the contractor to perform all effort, or, alternatively, to define the overall requirements, performance standards, and specifications associated with the work. The Government will utilize the defined requirements, performance standards, and specifications delivered by the contractor to request a proposal for completion of the work. The negotiated proposal will form the basis for the Government to issue a cost reimbursement task order for this work.

AMENDMENT OF SOLICITATION/ MODIFICATION OF CONTRACT				1. CONTRACT ID	CODE		PAGE OF PAGES	
2. AME	NDMENT/MODIFICATION NO. Mod 85	3. EFFECTIVE DATE See Block 16C	4. REQU	ISITION/PURCHASE	EREQ. NO.	5. PROJE	CT NO. (II applicable)	
6. ISSL	JED BY CODE	BG	7. ADMIN	NISTERED BY (If oth	er than Item 6)	CODE	BG	
NAS	A Lyndon B. Johnson Space	Center	NASA	Lyndon B. Joh	nson Space	Center		
	NASA Parkway			ASA Parkway	*			
Attn:	BG/Janet G. Arkinson		Attn: E	G/Janet G. Ar	kinson			
Hous	ton, TX 77058		Houst	on, TX 77058				
8. NAN	IE AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP Co	ode)	<u> </u>				
Lockl	need Martin Engineering Ser	vices						
	Dan Wegner							
	Bay Area Blvd							
	ton, TX 77058		÷					
CODE			FACILITY	CODE				
	9A. AMENDMENT OF SOLICITATION	I NO.		ED (SEE ITEM 11)				
	10A. MODIFICATION OF CONTRACT	I/ORDER NO.	10B, DA	TED (SEE ITEM 13)				
x	NNJ10GA35C		12/10/	/10				
	11. *	THIS ITEM ONLY APPLIES TO A	MENDME	NTS OF SOLICIT	ATIONS			
	ne above numbered solicitation is amend nust acknowledge receipt of this amendr					extended, a following me	is not extended. ethods:	
(a) By c	ompleting items 8 and 15, and	Copies of the amendment; (b)	By acknowl	edging receipt of this	amendment on e	each copy of	the offor	
	ed; or (c) By separate letter or telegram							
	CEIVED AT THE PLACE DESIGNATED DFFER. If by virtue of this amendment y							
	makes reference to the solicitation and	Contract of the second s Second second se		a dester del la construcción de la del de la construcción de la con	and the second se	in on lotton, pr	official activities of the second	
12. AC	COUNTING AND APPROPRIATION DA	TA (If required) N/A						
		THIS ITEM APPLIES ONLY TO MODI MODIFIES THE CONTRACT/ORDE						
	A. THIS CHANGE ORDER IS ISSUED		THE CHAN	NGES SET FORTH I	NITEM 14 ARE I	MADE IN THI	Ę	
	CONTRACT ORDER NO. IN ITEM 10/							
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).							
x	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: X Contract Clause H.16, Special Clause for Contract Changes and IDIQ Task Orders							
×	d. OTHER (Specify type of modification	on and authority)						
E. IMP	ORTANT: Contractor is not,	x is required to sign this docume	ent and retu	rn <u>1</u>	copies to the is	suing office.		
14. des	cription of amendment/modification (Org	ganized by UCF section headings, inc	luding solici	tation/contract subjec	t matter where fe	asible.)		
т	The nurnose of this Sunnle	mental Agreement is to	definiti	ze Snace Stati	on Change	Notice ((SSCND	

The purpose of this Supplemental Agreement is to definitize Space Station Change Notice (SSCN) 13786, "Procure, certify and deliver the next generation of intravehicular activity flight crew equipment batteries and tools."

15A. NAME AND TITLE OF SIGNER (Type or print) Dan Wegner, Contracts Administrator	10	16A. NAME AND TITLE OF CONTRACTING OFFICER Janet G. Arkinson, Contracting Officer	R (Type or print)
15B. CONTRACTOR/OFFEROR (Signature of perform authorized to sign)	15C. DATE SIGNED	168: UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	18C. DATE SIGNED
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		-105 STANDA /ord (Aug 95)	RD FORM 30 (Rev. 10-83) Prescribed by GSA

NNJ10GA35C Modification 85 Page 2 of 3

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Addification # Mod Date Description		Cost
85		Procure, Certify and Deliver the Next Generation of Intravehicular Activity Flight Crew Equipment Batteries and Tools	(b) (4

B. Section C -- Statement of Work, Table of Contents, is hereby updated to add the following:

6.4 Procure, Certify and Deliver the Next Generation of Intravehicular Activity Flight Crew Equipment Batteries and Tools

C. Section C - Statement of Work, Section 6.4 is hereby added as follows:

6.4 Procure, Certify and Deliver the Next Generation of Intravehicular Activity Flight Crew Equipment Batteries and Tools (SSCN 13786)

The contractor shall deliver (via DD1149) the following Commercial Off-the-Shelf (COTS) hardware:

- a) Quantity three (3) drills for crew training by 5/16/2014.
- b) Quantity three (3) impact drivers for crew training by 5/16/2014.
- c) Quantity six (6) 18-volt Lithium-ion batteries for crew training by 5/16/2014.
- d) Quantity two (2) 18-volt chargers for crew training by 5/16/2014.
- e) Quantity one (1) each fiberscope light source, fiberscope light source adapter, and CR123 Lithium-ion battery for crew training by 5/16/2014.
- f) Quantity three (3) soldering iron stations for crew training by 5/16/2014.
- g) Quantity one (1) drill, one (1) impact driver, and one (1) 18-volt charger for RE02 testing by 6/18/2014.
- h) Quantity one (1) soldering iron station for ISS inverter compatibility testing by 6/18/2014.
- i) Quantity one (1) each drill and impact driver for acoustics characterization by 6/18/2014.

D. Attachment J-16 - Deliver Items List, is hereby updated to include the following:

NO	CHANGE NUMBER	PART NUMBER	SERIAL NUMBER	LM ID NO*	NOMENCLATURE	QTY	UNIT	DD250 DATE
70	13786	TBD	TBD	CMC0384	Drill	10	Each	8/18/14
71	13786	TBD	TBD	CMC0385	Impact Driver	10	Each	8/18/14
72	13786	TBD	TBD	CMC0386	Fiberscope Light Source Kit***	5	Each	8/18/14
73	13786	TBD	TBD	CMC0427	CR 123 Lithium Ion Battery	7	Each	8/18/14
74	13786	TBD	TBD	CMC0387	Soldering Iron Station	5	Each	8/18/14
75	13786	TBD	TBD	CMC0428	Soldering Iron Tip, 700° F, 1/8"	5	Each	8/18/14
76	13786	TBD	TBD	CMC0429	Soldering Iron Tip, 700° F, 1/16"	5	Each	8/18/14
77	13786	TBD	TBD	CMC0430	Soldering Iron Tip, 700° F, 1/32"	5	Each	8/18/14
78	13786	TBD	TBD	CMC0431	Soldering Iron Tip, 800° F, 1/8"	5	Each	8/18/14
79	13786	TBD	ŢBD	CMC0432	Soldering Iron Tip, 800° F, 1/16"	5	Each	8/18/14
80	13786	TBD	TBD	CMC0433	Soldering Iron Tip, 800° F, 1/32"	5	Each	8/18/14

*** Note: Fiberscope Light Source Kit includes quantity 1 each Light Source, Adapter, and Battery.

NNJ10GA35C Modification 85 Page 3 of 3

E. Attachment J-17 - Underlimit Pool Changes, is hereby updated to include the following:

Modification #	Mod Date	Description	Cost
85 Procure		Procure, Certify and Deliver the Next Generation of	(h) (4
		Intravehicular Activity Flight Crew Equipment Batteries and Tools	

F. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of this agreed to modification, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to these change

.

	ERVICES CENTER CENTER, MS 39529-6000	d Fee Payment Transmittal
	ent - This Payment Must be Proces ification and Send Form by E-mail to NSSC-Account	
. Contract Number:	2. Contractor Name:	3. Modification Number:
NNJ10GA35C	Lockheed Marting Integrated Syster	ms, Inc. 86
Authorized Payment Amoun	t: 5. NASA Center:	
(b) (4)	JSC - Jol	hnson Space Center
Center Point of Contact (POC	C):	7. Center POC Phone Numb
Lear	on Comeaux/Contracting Officer	(281) 483-6525

		F SOLICITATION/ OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES		
2. AM	ENDMENT/MODIFICATION NO. Mod 86	3. EFFECTIVE DATE See Block 16C	4. REQU	ISITION/PURCHASE REQ. NO.	5. PROJE	CT NO. (If applicable)		
6. ISS	UED BY CODE	BG	7. ADMI	VISTERED BY (If other than Item 6)	CODE	BG		
NAS	A Lyndon B. Johnson Space	Center	NASA	Lyndon B. Johnson Space	Center			
	NASA Parkway			ASA Parkway				
Attn:	BG/Learon Comeaux		Attn: E	3G/Learon Comeaux				
Hous	ston, TX 77058		Houst	on, TX 77058				
8. NAM	A AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP Co	ode)					
Lock	heed Martin Integrated Syst	ems, Inc.						
	Dan Wegner							
2625	Bay Area Blvd.							
Hous	ston, TX 77058							
CODE	32RN8	1	FACILITY	CODE				
<u></u>	9A. AMENDMENT OF SOLICITATION	NNO.	9B. DAT	ED (SEE ITEM 11)				
	10A. MODIFICATION OF CONTRAC	T/ORDER NO	10B DA	TED (SEE ITEM 13)				
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Sea.	11.	THIS ITEM ONLY APPLIES TO A	MENDME	INTS OF SOLICITATIONS				
Offers (a) By (he above numbered solicitation is amenu must acknowledge receipt of this amend completing Items 8 and 15, and ed; or (c) By separate letter or telegram	ment prior to the hour and date specific Copies of the amendment; (b)	ed in the so By acknowl	licitation or as amended, by one of the	each copy of	he offor		
BE RE	CEIVED AT THE PLACE DESIGNATED	FOR THE RECEIPT OF OFFERS PR	IOR TO TH	E HOUR AND DATE SPECIFIED MAY	Y RESULT IN	REJECTION OF		
	OFFER. If by virtue of this amendment r makes reference to the solicitation and				n or letter, pro	wided each telegram		
	COUNTING AND APPROPRIATION DA		to the oper	ing nour and date specified.	1000			
	13. آا	THIS ITEM APPLIES ONLY TO MODI	FICATIONS R NO. AS D	OF CONTRACTS/ORDERS, ESCRIBED IN ITEM 14.(x)	11 - 24 - 26 - 27			
	A. THIS CHANGE ORDER IS ISSUE CONTRACT ORDER NO. IN ITEM 10	D PURSUANT TO: (Specify authority) A.	THE CHAN	NGES SET FORTH IN ITEM 14 ARE N	MADE IN THE	2		
	E. THI CAN BUN TO BROTADIAT AD TATE OF FLOT TO FILL TO THE MINING (IN) HIS SERVER Res in paying office, appropriate date, etc.) SEVENTION ITEM 14, UNSUAN TO THE AUTHORITY OF TAR 46, 100(0).							
	C THIS SUPPLEMENTAL AGREEM	ENT IS ENTERED INTO PURSUANT	TO AUTHO	RITY OF:	*]		
х	d. OTHER (Specify type of modification and authority) X Clause G.2 NFS 1852.216-76 Award Fee for Service Contracts (JUN 2000)							
E. IMP	ORTANT: Contractor X is not,	is required to sign this docume	ent and retu	copies to the is:	suing office.			
14. de:	scription of amendment/modification (Org	ganized by UCF section headings, incl	uding solici	ation/contract subject matter where fe	asible.)			

The purpose of this modification is to recognize the award fee earned for evaluation Period 5. The Contractor will be paid (b) (4) based on this modification. The contractor is not to submit a voucher for earned award fee.

15A. NAME AND TITLE OF SIGNER (Type or print	"	16A. NAME AND TITLE OF CONTRACTING OF Learon J. Comeaux, Contracting O	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officed	16C. DATE 11/2//13
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE			ANDARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

All other Terms and Conditions shall remain the same.

- 1. The purpose of this modification is to recognize the award fee earned for evaluation Period 5, which was from April 1, 2013 through September 30, 2013. The FDO has determined that a score of 98-Excellent has been earned for Period 5.
 - Period 5: Available Award Fee Pool Ś Provisional Billing Amount (80%) Invoice No. Month Amt 64 Apr \$ \$ 68 May \$ 70 June \$ 73 July \$ 77 Aug \$ 79 Sept Sum of Provisional Billings \$ Balance \$ Earned Fee Amount: 98% \$ Earned Fee Modification Amount
- 3. <u>Section B.7 Award Fee</u>: B.7 has been updated to include the Award Fee earned for Period 5. As a result of this change, pages B-5 and B-6 are hereby attached.

2.

NNJ10GA35C Modification <u>86</u> 84							SECTION B
	(CARGO M	ISSION CO	ONTRACT	v		
		01/0	010	01/1	01/2	<u> </u>	0.7
SLC	CY1	CY2	CY3	CY4	CY5	CY6	CY7
Program Manager		-					
Manager							
Supervisor				ę.			
Technical Professional III							
Technical Professional II Technical Professional I							
Technician III							
Technician II							
Technician I							
Drafter II							
Drafter I				R.			
IT Professional							
Analyst II							
Analyst I							
Secretary							
Clerk							
Business Specialist							
Other							
Procurement Burden (Basis:							
Subcontractor/Material Cost)							
G&A (Basis: Value Added Cost)							
G&A Cost of Money (Basis: Value							
Added Cost)							
Maximum Award Fee							

*Propose additional Labor Categories that cannot be logically mapped into any of the Standard Labor Categories above. Provide a job description and qualifying education and experience for all additional labor categories.

**Rates to be applied to non-labor costs (i.e. material, travel). Identify the rates and basis of application.

(End of clause)

B.7 AWARD FEE

The amount of fee earned by the contractor shall be determined in accordance with Attachment J-5, Award Fee Evaluation Plan.

The amount of available and earned fee, by evaluation period, is provided in Table B-5 below:

Basic	Evaluation Periods	Available Fee	Earned Fee	Score	Rating	AF Payment Mod
1	04/01/11 – 09/30/11	(h)	(Λ)	96	Excellent	Mod 20
2	10/01/11 – 3/31/12		(+)	96	Excellent	Mod 35
3	04/01/12 - 09/30/12			97	Excellent	Mod 53

NNJ10GA Modificati						ç	SECTION B
Mouncan	011 <u>00</u> 04	CARGO M	ISSION CO	NTRACT			
4	10/01/12 -				97	Excellent	Mod 67
4	3/31/13	(b) (4)		(4)	91	Excellent	MOU 07
5	04/01/13 -				98	Excellent	Mod 86
	09/30/13				1000 A		
6	10/01/13 -						
	03/31/14	_					
	TOTAL						
Option	Evaluation						
1	Periods						
7	04/01/14 -		\$	-			
	09/30/14						
8	10/01/14 -		\$	-			
<u> </u>	03/31/15	_					
Option	Evaluation						
2 9	Periods		φ.				
9	04/01/15 -		\$	-			
10	09/30/15	-	\$				
10	10/01/15 - 03/31/16		þ	-			
Option	Evaluation						
3	Periods						
11	04/01/16 -		\$	-		1 1	
	09/30/16						
12	10/01/16 -		\$	-			
	03/31/17						
Option	Evaluation						
4	Periods						
13	04/01/17 -		\$	-			
	09/30/17						
14	10/01/17 -		\$	-			
	03/31/18						

(End of clause)

B.8 FIXED PRICE MILESTONE PAYMENTS – PHASE-IN

The following fixed-price amounts, identified in column C, will be paid for delivery of each of the milestones as shown in the table below <u>on</u> or <u>before</u> their associated due date in column B. Payment is dependent upon the contractor satisfactorily completing the milestones identified in their Attachment J-3, Phase-In Plan. When the milestone is not completed on or before the due date (column B) the fixed-price payment (column C) will be reduced by 2% per work day until the milestone is satisfactorily completed. These milestone payments only apply to

					pproval	NO. 2100-0042	
		F SOLICITATION/ OF CONTRACT	•	1. CONTRACT ID CODE		PAGE OF PAGES	
2. AME	NDMENT/MODIFICATION NO. Mod 87	3. EFFECTIVE DATE See Block 16C	4. REQU	ISITION/PURCHASE REQ. NO. N/A	5. PROJE	ECT NO. (If applicable)	
6. ISSU	ED BY CODE	BG	7. ADMI	BG			
NASA	A Lyndon B. Johnson Space	Center	NASA	Lyndon B. Johnson Space	Center		
	NASA Parkway			IASA Parkway			
	BG/Learon J. Comeaux		Attn: I	3G/Learon J. Comeaux			
	ton, TX 77058		Houst	on, TX 77058			
	E AND ADDRESS OF CONTRACTOR	(No street county State and ZIP Co	ode)				
0. 10 10			,				
Lockh	need Martin Engineering Se	rvices					
Attn:	Dan Wegner						
2625 1	Bay Area Blvd						
	ton, TX 77058						
CODE			FACILITY	CODE			
	9A. AMENDMENT OF SOLICITATIO	N NO		ED (SEE ITEM 11)			
				(
	10A. MODIFICATION OF CONTRAC	T/ORDER NO.	10B. DA	TED (SEE ITEM 13)			
x	NNJ10GA35C		12/10	/10			
استنصب	11.	THIS ITEM ONLY APPLIES TO	AMENDMI	ENTS OF SOLICITATIONS			
Offers n	e above numbered solicitation is amen nust acknowledge receipt of this amend	ded as set forth in item 14. The hour a ment prior to the hour and date specifi	and date sp led in the so	ecified for receipt of Offers is lis licitation or as amended, by one of the	extended, e following m	Is not extended. nethods:	
(a) By c	ompleting Items 8 and 15, and	Copies of the amendment; (b)	By acknow	ledging receipt of this amendment on	each copy of	the offor	
submitte	ed; or (c) By separate letter or telegram	which includes a reference to the solid	citation and	amendment numbers. FAILURE OF	YOUR ACKN	OWLEDGEMENT TO	
BE REC	EIVED AT THE PLACE DESIGNATED	FOR THE RECEIPT OF OFFERS PF	NOR TO TH	E HOUR AND DATE SPECIFIED MA	Y RESULT I	N REJECTION OF	
orletter	makes reference to the solicitation and	you desire to change an oner already this amendment, and is received prior	r to the oper	ning hour and date specified.	n or letter, b	TO ALLER GAON LEIE GIAIN	
	COUNTING AND APPROPRIATION D						
·							
	13. ľ	THIS ITEM APPLIES ONLY TO MOD T MODIFIES THE CONTRACT/ORDE	R NO. AS [DESCRIBED IN ITEM 14.(x)			
	A. THIS CHANGE ORDER IS ISSUE	D PURSUANT TO: (Specify authority) THE CHA	NGES SET FORTH IN ITEM 14 ARE	MADE IN TH	IE	
	CONTRACT ORDER NO. IN ITEM 10						
	B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FORTH	RACT/ORDER IS MODIFIED TO REF IN ITEM 14, PURSUANT TO THE AU	LECT THE	ADMINISTRATIVE CHANGES (such a DF FAR 43.103(b).	as changes i	n paying office,	
x	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: X Contract Clause H.16, Special Clause for Contract Changes and IDIQ Task Orders						
·	d. OTHER (Specify type of modificati	ion and authority)			110		
	ORTANT: Contractor is not,	X is required to sign this docum					
	cription of amendment/modification (O						
Т	he purpose of this Supple	emental Agreement is to	definiti	ze Space Station Change	Notice	(SSCN)	
1	3928, "Add Hemispheric	al Retro Reflectors to Co	ommon	Communications for Vis	siting Ve	chicles (C2V2)	
	ntenna Boom Assemblie						

15A. NAME AND TITLE OF SIGNER (Type or print) Dan Wegner, Contracts Administrator		16A. NAME AND TITLE OF CONTRACTING OFFICER Learon J. Comeaux, Contracting Officer	(Type or print)
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED 1足・12・2013	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30- JSC MS Wo		RD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

NNJ10GA35C Modification 87 Page 2 of 2

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	Cost
87		Add Hemispherical Retro Reflectors to Common Communications for Visiting Vehicles (C2V2) Antenna Boom Assemblies	(b) (4

B. Section C - Statement of Work, Table of Contents, is hereby updated to add the following:

6.5 Add Hemispherical Laser Retro Reflectors to the C2V2 CAAs (SSCN 13928)

C. Section C - Statement of Work, Section 6.5 is hereby added as follows:

6.5 Add Hemispherical Laser Retro Reflectors to the C2V2 CAAs (SSCN 13928)

The contractor shall add hemispherical laser retro reflectors to the C2V2 CAAs per SSP 50930, "C2V2 Prime Item Development Specification," Revision A, and the revised requirements identified in SSCN 13928, "Add Hemispherical Retro Reflectors to Common Communications for Visiting Vehicles (C2V2) Antenna Boom Assemblies", per the Change Directive (CD) 013314, Provide Common Communications for Visiting Vehicles (C2V2) Antenna Assemblies (CAAs) Deliverables Items List.

D. Attachment J-17 - Underlimit Pool Changes, is hereby updated to include the following:

Modification #	Mod Date	Description	Cost
87		Add Hemispherical Retro Reflectors to Common Communications for Visiting Vehicles (C2V2) Antenna Boom Assemblies	(b) (4)

E. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of this agreed to modification, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to these change

B. ISSI NAS	ENDMENT/MODIFICATION NO Mod 88		OF CONTRACT	1. CONTRACT ID CODE		PAGE OF PAGES
NAS	1100 00),	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJ	EGT NO. (If applicable
	ÚÊĎ BY (CODÉ	BG	7. ADMINISTERED BY (If other than Item 6)	CODE	BG
	A Lyndon B. Johnson S	Space	Center	NASA Lyndon B. Johnson Space	Center	h
	NASA Parkway			2101 NASA Parkway		
	BG/Learon J. Comeau	ux		Attn: BG/Learon J. Comeaux		
Hous	aton, TX 77058			Houston, TX 77058		
NAN	AE AND ADDRESS OF CONTR	ACTOR	No., street, county, Stele, and ZIP	Code)		No. Kana Lasta anna agus anna anna
	heed Martin Engineeri	ing Ser	vices			
Attn:	Dan Wegner					
2625	Bay Area Blvd					
Ious	ton, TX 77058					
ODE	••••••••••••••••••••••••••••••••••••••		······································	FACILITY CODE		
	9A, AMENDMENT OF SOLIC	TATION	NO.	9B. DATED (SEE)TEM 11)		We are a second s
	10A. MODIFICATION OF CO	NTRACT	/ORDER NO:	10B. DATED (SEE ITEM 13)		. a Manar propagation
¢	NNJ10GA35C			12/10/10		
		11. 1	HIS ITEM ONLY APPLIES TO	AMENDMENTS OF SOLICITATIONS		
OUR C	OFFER. If by virtue of this amer	ndment y	ou desite to change an offer alread	PRIOR TO THE HOUR AND DATE SPECIFIED MAY ly submitted, such change may be made by telegram for to the opening hour and date specified.	r RESULT I 1 or letter; p	N REJECTION OF ovided each telegran
		13. T	HIS ITEM APPLIES ONLY TO MO	DIFICATIONS OF CONTRACTS/ORDERS,	um ka	
	A, THIS CHANGE ORDER IS CONTRACT ORDER NO. IN T	ISSUED	RURSUANT TO: (Specify author)	ERNO. AS DESCRIBED IN ITEM 14 (x) ty) THE CHANGES SET FORTH IN ITEM 14 ARE N	ADE IN TH	E.
	B. THE ABOVE NUMBERED appropriation date, etc.) SET F	CONTR/	OT/ORDER IS MODIFIED TO RE I ITEM 14, PURSUANT TO THE A	FLECT THE ADMINISTRATIVE CHANGES (such a UTHORITY OF FAR 43 103(b).	s change's ir	i paving office,
	C. THIS SUPPLEMENTAL AC Contract Clause H.16, S	SREEME Special	NT IS ENTERED INTO PURSUAN Clause for Contract Chang	TTO AUTHORITY OF. es and IDIQ Task Orders		
	d. OTHER (Specify (ype of mo	odification	i'and'authorlly)			
	DRTANT: Contractor	s nol,	X Is required to sign this docu	a contraction of the second		
		11 . Jat	nized by UCF section headings in	aludian collettan landrast autions matter where to	elbla J	
	cripiton of amendment/modificat	lion (Orga	and the second state of the second state	iononud sonoriduoraconinaci, subject martar milata la	Service's	7.

15A. NAME AND TITLE OF SIGNER (Type or pilnt) Dan Wegner, Contracts Administrator		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type of print) Learon Comeaux, Contracting Officer		
16B, CONTRACTOR/OFFEROR (Signature of person authorized to sign)	150, DATE SIGNED 12.23.2013	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer	180. DATE SIGNED 12/23/2013	
NSN 7540:01-152-8070 PREVIOUS EDITION UNUSABLE	30) JSC MS Wo		STANDARD FORM 30 (Rev. 10-83) Přesčílbed by GSA FÁR (48 CFR) 53:243	

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	Cost
88		Update Lockheed Martin (LM) Cargo Mission	
		Contract (CMC) Hardware Sustaining List (J-9),	
		and transfer engineering authority of NASA	
		Government Furnished Equipment (GFE) items to	
		CMC	

B. Attachment J-9 – Hardware List, is hereby updated to include the following:

TABLE 1.1-A STOWAGE ACCOMMODATIONS

ltem Number	Description	Drawing/Part Number	Sustain
36	Teflon (FEP Bags	300045	Yes
37	Trash Container Assy	SEG39123699	Yes
38	Waste Transfer Bag, 6.0	SEG33124207	Yes
39	Waste Transfer Bag, 4.0	SEG33124208	Yes

TABLE 1.1-B BATTERIES

Item Number	Description	Drawing/Part Number	Sustain
23	BCR/RFID Main Battery	SEG33122510	Yes
24	BCR/RFID Handle Battery	SEG33122511	Yes
25	Canon BP-955 Battery	SEG33123687	Yes

TABLE 1.1-C CABLES

Item	Description	Drawing/Part Number	Sustain
Number		63/53	
18	PS28 Power Cable	SEG33114659	Yes
19	PS-28 Power Strip	SEG 33114657	Yes
20	PS-28 Junction Box	SEG33114658	Yes
21	GFCI Cable, 3-foot	SEG33123662	Yes

TABLE 1.1-D LAPTOPS

Item	Description	Drawing/Part Number	Sustain
Number			
103	Cable Assembly PR-422 Y-PGSC 486	SED39126969	Yes
104	Cable Assy, PDIP RS422 Y Cable PGSC 486	SED39126972	Yes
105	IPOD MP3 Player Assembly	SEZ33117876	Yes
106	Assembly, Removable Hard Disk (760XD) – PCS	SEZ39129266	Yes
107	DAT PASS1000 KIT Assy	SEG33111767	Yes
108	T61p Serial/Parallel Bay Adapter	SDG33121549	Yes
109	ISS Tablet	SEG33123846	Yes
110	ISS Tablet USB Charging Cable	SEG33123847	Yes
111	Multiport USB Serial Adapter	SEG33124209	Yes
112	USB 1TB Hard Drive	SEG33124211	Yes
113	USB Thumb Drive	SEG33124214	Yes
114	32GB SDHC U1 Card	SEG33124213	Yes
115	USB Serial Adapter Cable	SEG33124210	Yes
116	USB 3.0 HDD Cable	SEG 33124212	Yes

Item Number	Description	Drawing/Part Number	Sustain
117	Power Inverter (120VDC to 120VAC)	SEG33123254	Yes
118	Power Inverter (28VDC to 120 VAC)	SEG33123255	Yes
119	Crew Media Kit	SEG33124217	Yes

TABLE 1.1-E Photo and TV

Item Number	Description	Drawing/Part Number	Sustain
207	RAIL, CAMERA, STANDARD	SDD33103310	Yes
208	BASE PLATE, MOUNT ASSY, MULTIUSE BRACKET	SDD33105350	Yes
209	FASTENER	SDZ33113739	Yes
210	CASSETTE ASSY, 8MM CAMCORDER	SED33103757	Yes
211	LENS ASSY-CANNON, WIDE- CONVERTER0.7X55,CAMCORDER	SED33103799	Yes
212	LENS ASSY 300 MM F 2.8 ED, NIKON	SED33103868	Yes
213	BASE PLATE ASSY, CAMERA MOUNT, LOC-LINE	SED33104069	Yes
214	STRAP ASSY, CABLE - CAMCORDER	SED33104516	Yes
215	DEFFERENTIAL MODE CHOKE, CAMCORDER/CPL POWER INTEF	SED33104954	Yes
216	COMMON MODE CHOKE, CAMCORDER/CPL POWER INTERFACE	SED33104955	Yes
217	CAMERA MOUNT ASSY	SED33105356	Yes
218	Canon XF305 Camcorder	SEG33123670	Yes
219	Canon XF305 HD Camcorder Wide Angle Lens	SEG33123668	Yes
220	Canon XF305 Standard Lens Hood	SEG33123667	Yes
221	Canon XF305 Wide Angle Lens Hood	SED33123666	Yes
222	Camcorder Battery Charger/Power Adapter	SEG33123669	Yes
223	Visionary Solutions, Inc.(VSI) Video Encoder (AVN443)	SEG33123671	Yes
224	Encoder Power Pigtail Cable	SEG33123685	Yes
225	Encoder AC Power Supply	SEG33123672	Yes
226	Cable Assembly AC Power	SEG33123673	Yes
227	Cable Assembly Encoder DC Power	SEG33123674	Yes
228	High Definition – Serial Digital Interface (HDSDI) Cable	SEG33123688	Yes
229	Clip-On Transmitter	SEG33123677	Yes
230	Clip-on Microphone	SEG33123678	Yes
231	835S Microphone Transmitter	SEG33123679	Yes
232	XLR Cable	SEG33123681	Yes
233	Camera Receiver	SEG33123682	Yes
234	Delkin 32GB Compact Flash Cards	SEG33123675	Yes
235	Delkin USB 3.0 Compact Flash Card Reader	SEG33123676	Yes
236	Bluetooth Remote Control	SEG33123684	Yes
237	Sennheiser e835S Dynamic Microphone	SEG33123680	Yes

TABLE	11 F	Flight	Crow	Systome	(FCC)
IADLL	1.1-1	rugut	CIEW	Systems	(rcs)

Item Number	Description	Drawing/Part Number	Sustain
374	Headphones and Audio Cable	SEG46121651	Yes
375	Crew Preference Socks	528-43120	Yes
376	Binder Clip Assembly	SDG33123593	Yes
377	TOENAIL CLIPPERS	528-43121	Yes
378	THREADLOCKER ASSEMBLY, TAPE	SEG33123364	Yes
379	PRE-TREAT ABSORBENT MATERIAL ZIPLOCK	SEG33123626	Yes
380	MAGNETIC STRIP ASSEMBLY	SEG33123253	Yes
380	STUBBY COMMON TIP SCREWDRIVER	SEG33123252	Yes
381	ASSEMBLY	51055125252	105
501	DZUS FASTENER SCREWDRIVER	SEG33123251	Yes
382	ASSEMBLY	SE055125251	105
383	INSULATING RUBBER GLOVES	SEG33123122	Yes
383 384	LEATHER OUTER GLOVES	SEG33123123	Yes
384	FUNNEL ADAPTER ASSY URINE	SEG32111982	Yes
385	FUNNEL ADAPTER	SEU32111902	105
385	CAP, FUNNEL ADAPTER	SDG32111984	Yes
387	FUNNEL ADAPTER	SDG32111984	Yes
	HAIR CONDITIONER ASSEMBLY	a contract of the second s	Yes
388		528-21504	Yes
389	CREW PREFERENCE CONDITIONER	528-43118	
390	NOISE ABATEMENT KIT 2 ASSEMBLY	SJG33103977	Yes
391	NOISE ABATEMENT KIT 1 ASSEMBLY	SJG33103978	Yes
392	PLAYER/RECORDER, ASSY, SONY	SED33105459	Yes
393	Knee Pad Assembly	SEG33110126	Yes
394	O-RING EXTRACTION TOOL	SLZ33111324	Yes
395	WIPES, ALCOPAD 806	SLZ33111327	Yes
396	ATTACHMENT TAB ASSY	SEG33111764	Yes
	MODIFIED 5/64" L-WRENCH ALTERED	SDG33111770	Yes
397	ITEM DRAWING		
398	Soft Cover Assy, Tray Assy IVA Toolbox	SEG33113670	Yes
399	Driver Drill Holster Assy	SEG33113702	Yes
400	5MM COMBINATION WRENCH ASSY	SEG33113792	Yes
401	3/16 LONG HEX 3/8 DRIVE ASSY	SEG33113818	Yes
402	SEATTRACK ATTACHMENT MECHANISM CLAMP	SEG33112351	Yes
402 403	FOOT RESTRAINT FOAM CASING	SEG33113844	Yes
	and the second		Yes
404	LARGE MOUTH VISE GRIP ASSY	SEG33114063	
405	NEEDLE NOSE VISE GRIPS	SEG33114309	Yes
	EXERCISE SURFACE BOOTIE	SLG33114389	Yes
100	SPECIFICATION CONTROL		
406	DRAWING	000000114460	XZ
407	TOOL CAP REMOVAL	SDG33114463	Yes
408	L-WRENCH ASSY	SEG33114696	Yes
409	Flight Light Visor Assembly	SEG33114909	Yes
410	DIE, POUCH, IFM PARTS KIT	SLG38120975	Yes
411	CABLE ASSEMBLY, WET/DRY VACUUM CLEANER	SEG39123307	Yes
412	TOOL ASSY, BRUSH WET/DRY VACUUM CLEANER	SEG39123368	Yes
413	DESICCANT BAG ASSY	SDG39125390	Yes
414	FOAM INSERT ASSY - SOIFW	SED39126303	Yes
	CHECK VALVE ASSY, SURFACTANT DISPENSER	SEG39130631	Yes
415 416	MODULE ASSEMBLY, PRESSURE,	SED33104538	Yes

Item	Description	Drawing/Part Number	Sustain
Number			
	ABSOLUTE		
	CABLE ASSY-LTI OUTPUT CABLE,	SED39123055	Yes
417	HAND HELD LASERRANGER		
	HANDHELD LIDAR W/BATTERY PACK	SED39125551	Yes
418	ASSY-LIDAR		
419	LES SHIRT ASSY	SED46105335	Yes
420	FOOT RESTRAINT, LONG	SEG33112372	Yes
421	COMB, Stainless Steel	SLC42100174	Yes
422	Vacuum Cleaner Tool Pouch Assembly	SEG39126291	Yes
423	Bose Microphone Cable	SEG33123985	Yes
424	Y audio adapter cable	SEG33123986	Yes
425	IPOD Nano (6th generation)	SEZ33124176	Yes
426	Wet Trash Bag	SLG33123901	Yes
427	Wet Trash Bag Container	SLG33123902	Yes
428	Hygiene Towel Assembly	SEG33124195	Yes
429	Food Warmer (new config)	SEG39138210	Yes
430	Microphone extension cable assembly	SEG33124206	Yes
431	N2 Propellant Cartridge	SDG33114990	Yes
432	Solder Tip, 1/8"	PTC6	Yes
433	Solder Tip, 1/32"	PTP6	Yes
434	Exterior Screen, Portable Fan Assembly	SDG11100297	Yes
435	Interior Screen, Portable Fan Assembly	SDG11100293	Yes
436	AC Dry Vacuum Cleaner	SEG33123900	Yes
	Component Assembly, AC Dry Vacuum	SEG33123990	Yes
437	Cleaner		
	Component Identification, ISS Dry Vacuum	SEG33123914	Yes
438	Cleaner		
439	Adapter Hose Assembly	SEG33124048	Yes
440	Crew exercise shirt	SLG12100753	Yes

C. Attachment J-17 – Underlimit Pool Changes, is hereby updated to include the following:

Modification #	Mod Date	Description	Cost
88		Update Lockheed Martin (LM) Cargo Mission Contract	
		(CMC) Hardware Sustaining List (J-9), and transfer	
		engineering authority of NASA Government Furnished	
		Equipment (GFE) items to CMC	

D. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of this agreed to modification, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to these change

				OMB A	pproval	No. 2700-0042
	AMENDMENT O MODIFICATION	F SOLICITATION/ OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES
	ENDMENT/MODIFICATION NO. Mod 89	3. EFFECTIVE DATE See Block 16C	4. REQU	IISITION/PURCHASE REQ. NO. N/A	5. PROJE	CT NO. (If applicable
6. 199	UED BY CODE	BG	7. ADMI	NISTERED BY (If other than Item 6)	CODE	BG
2101 Attn:	A Lyndon B. Johnson Space NASA Parkway BG/Learon J. Comeaux ston, TX 77058	Center	2101 M Attn: E	Lyndon B. Johnson Space NASA Parkway G/Learon J. Comeaux on, TX 77058	Center	
8, NA	ME AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP Co	ode)	a second and a second		
Attn: 2625	heed Martin Engineering Ser Dan Wegner Bay Area Blvd ston, TX 77058	vices				
CODE		tentente en	FACILITY	CODE		
	9A. AMENDMENT OF SOLICITATION	I NO.		ED (SEE ITEM 11)		
x	10A. MODIFICATION OF CONTRACT NNJ10GA35C	ORDER NO.	10B. DA 12/10/	тер (s <i>ee item 13)</i> 10		
	11,	THIS ITEM ONLY APPLIES TO A	MENDME	INTS OF SOLICITATIONS		
aubmitt BE RE YOUR or lette	completing items 8 and 15, and ed; or (c) By separate letter or telegram v CEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amendment y r makes reference to the solicitation and t COUNTING AND APPROPRIATION DA	which includes a reference to the solic FOR THE RECEIPT OF OFFERS PRI ou desire to change an offer already s his amendment, and is received prior TA (if required) N/A	Itation and a IOR TO TH submitted, s to the open	E HOUR AND DATE SPECIFIED MAY uch change may be made by telegram ing hour and date specified.	OUR ACKNO	WLEDGEMENT TO
	IT	HIS ITEM APPLIES ONLY TO MODI MODIFIES THE CONTRACT/ORDER	R NO. AS D	ESCRIBED IN ITEM 14.(x)		
	A. THIS CHANGE ORDER IS ISSUED CONTRACT ORDER NO. IN ITEM 104	PURSUANT TO: (Specify authority)	THE CHAN	IGES SET FORTH IN ITEM 14 ARE N	IADE IN THE	
	B. THE ABOVE NUMBERED CONTRA appropriation date, etc.) SET FORTH I	ACT/ORDER IS MODIFIED TO REFL N ITEM 14, PURSUANT TO THE AUT	ECT THE A	DMINISTRATIVE CHANGES (such as F FAR 43.103(b).	s changes in	paying office,
х	C. THIS SUPPLEMENTAL AGREEME Contract Clause H.16, Spec	INT IS ENTERED INTO PURSUANT	TO AUTHO	RITY OF: Ind IDIQ Task Orders		
	d. OTHER (Specify type of modification	n and authority)	*****			
E. IMP	ORTANT: Contractor is not,	X is required to sign this docume	nt and retur	n <u>1</u> copies to the iss	uing office.	
4. des	scription of amendment/modification (Org	anized by UCF section headings, inclu	Iding solicit	ation/contract subject matter where fea	sible.)	
Т	he purpose of this Suppleme nd Deliver Internal Wireless I	ental Agreement is to defini	tize Spa	ce Station Change Notice		3966, "Build

15A. NAME AND TITLE OF SIGNER (Type or print) Dan Wegner, Contracts Administrator		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon Comeaux, Contracting Officer		
15B. CONTRACTOR/OFFEROR (Signature of percon authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	4 18C. DATE SIGNED	
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		0-105 STA Jord (Aug 95)	NDARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	Cost
89		Add Build and Deliver Internal Wireless	
		Instrumentation System (IWIS) Power Cables	

B. Attachment J-16 - Deliver Items List, is hereby updated to include the following:

NO	CHANGE NUMBER	PART NUMBER	SERIAL NUMBER	LM ID NO*	NOMENCLATURE	QTY	UNIT	DD250 DATE
81	013966	528-21376-1	TBD	CMC0449	IWIS power cables	7	Each	05/26/14

C. Attachment J-17 - Underlimit Pool Changes, is hereby updated to include the following:

Modification #	Mod Date	Description	Cost
89		Add Build and Deliver Internal Wireless Instrumentation System (IWIS) Power Cables	-

D. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of this agreed to modification, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to these change

						PAGE OF	PAGES
AMENDME	NT OF SOLICITATION/MODIFIC	CATION OF CONTRACT		1. CONTRACT ID CODE			2
2. AMENDMEN	T/MODIFICATION NO.	3. EFFECTIVE DATE		QUISITION/PURCHASE REQ. NO.	5. P	ROJECT NO.	. (If applicable)
000090		See Block 16C	4600	0008408 & 460006952			
6. ISSUED BY	CODE	JSC	7. ADMINISTERED BY (If other than Item 6) CODE JSC				
NASA/Joł	nnson Space Center		NAS	A/Johnson Space Cent	er		
	Attn: Learon Comeaux/BG			n: Tumarrow Iglehart	/BG		
	SA Parkway			1 NASA Parkway			
louston	TX 77058-3696		Hou	iston TX 77058-3696			
B. NAME AND	ADDRESS OF CONTRACTOR (No., stre	et, county, State and ZIP Code)	(x) 94	A. AMENDMENT OF SOLICITATION NO.			
OCKUEED							
	MARTIN SERVICES, II n Wegner	NC.	96	B. DATED (SEE ITEM 11)			
	Area Blvd						
-	TX 77058						
			X N	A. MODIFICATION OF CONTRACT/ORI NJ10GA35C	JER NO.		
			10	DB. DATED (SEE ITEM 13)			
CODE 77	609	FACILITY CODE		12/10/2010			
1.1		11. THIS ITEM ONLY APPLIES					
reference to	the solicitation and this amendment, an ING AND APPROPRIATION DATA (If re	d is received prior to the opening hou	ur and date s	e by telegram or letter, provided each tele pecified. CTEASE:		819,388	3.38
	13. THIS ITEM ONLY APPLIES TO	MODIFICATION OF CONTRACTS/O	RDERS. IT N	ODIFIES THE CONTRACT/ORDER NO.	AS DESCRI	BED IN ITEM	14.
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.) PURSUANT TO: (Specify authority)	THE CHAN	IGES SET FORTH IN ITEM 14 ARE MAD	E IN THE C	ONTRACT	
	B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FOR	ACT/ORDER IS MODIFIED TO REFL TH IN ITEM 14, PURSUANT TO THE	ECT THE AL	DMINISTRATIVE CHANGES (such as chi Y OF FAR 43.103(b).	anges in pa	ying office,	
	C. THIS SUPPLEMENTAL AGREEME	NT IS ENTERED INTO PURSUANT	TO AUTHOR	RITY OF:			
	D. OTHER (Specify type of modification	on and authority)					(a) - 30 (2) - 11 - 11
Х	Contract Clauses I.1; 5	2.243-2 Changes - Cost	Reimburs	ement (Aug 1987) Alternat	e II (A	PR 1984)	
E. IMPORTAN	T: Contractor X is not.	is required to sign this docume	ent and return	n copies to the	issuing offic	ce.	GT10G2200274554724845566882754
14. DESCRIP	TION OF AMENDMENT/MODIFICATIO	N (Organized by UCF section headin	gs, including	solicitation/contract subject matter where	e feasible.)	21	
				ncremental funding in			with
Section	B.4 NFS Contract Fu	nding. This change	decrea	ases the amount of fu	Inding	bу	
\$1,819,3	388.38 from \$73,530,	936.21 to \$71,711,	547.83.	•			
Payment							
Net 30 d							
	stination						

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect. 15A. NAME AND TITLE OF SIGNER (*Type or print*)
16A. NAME AND TITLE OF CONTRACTING OFFICER (*Type or print*)

		Learon Comeaux	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	04/14
NSN 7540-01-152-8070			RD FORM 20 (REV. 10-83)
Previous edition unusable		Prescribe	d by GSA
		FAR (48 0	CFR) 53.243

NNJ10GA35C Modification 90		SECTION B
	CARGO MISSION CONTRACT	
TOTAL	(b)(4)	
	(End of clause)	

B.3 NFS 1852.216-85 ESTIMATED COST AND AWARD FEE (SEP 1993)

The estimated cost of this contract is **Example**. The maximum available award fee, excluding base fee, if any, is **Example**. Total estimated cost, base fee, and maximum award fee is **Example**.

(End of clause)

B.4 <u>NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)</u>

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is **Exclusion**. This allotment is for cargo mission services and covers the following estimated period of performance: January 1, 2011 through <u>February 11, 2014</u>.
- (b) An additional amount of the second second is obligated under this contract for payment of fee.

(End of clause)

B.5 <u>FUNDING FOR FIXED-PRICE ITEMS PHASE-IN</u>

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

The FP amount obligated and available for FP Milestone Payment for Phase-In is (b)(4)

The TOTAL FP amount obligated and available is (b)(4)

(End of clause)

B.6 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) ORDERS

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and

----. . . ----

			OMB A	pproval	No. 2700-0042		
		SOLICITATION/ OF CONTRACT	1. CONTRACT ID CODE PAGE				
2. AME	NDMENT/MODIFICATION NO. Mod 91	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 4200502708	CT NO. (If applicable)			
6. ISSU	JED BY CODE		7. ADMINISTERED BY (If other than Item 6)	CODE			
NASA	A Lyndon B. Johnson Space	Center	NASA Lyndon B. Johnson Space	Center			
	NASA Parkway		2101 NASA Parkway				
Attn:	BG/Janet G. Arkinson		Attn: BG/Sophia Mo				
Hous	ton, TX 77058		Houston, TX 77058				
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and ZiP Code)							
Attn: 2625 l	need Martin Integrated Syste Dan Wegner Bay Area Blvd ton, TX 77058	ems, Inc.					
CODE	·		FACILITY CODE				
	9A. AMENDMENT OF SOLICITATION	I NO.	9B. DATED (SEE ITEM 11)				
x	10A. MODIFICATION OF CONTRACT NNJ10GA35C	ORDER NO.	10B. DATED (SEE ITEM 13) 12/10/10				
	11.	THIS ITEM ONLY APPLIES TO A	MENDMENTS OF SOLICITATIONS				
	e above numbered solicitation is amend nust acknowledge receipt of this amendr		nd date specified for receipt of Offers is ad in the solicitation or as amended, by one of the	extended, e following me	ls not extended. thods:		
submitte		which includes a reference to the solic	By acknowledging receipt of this amendment on itation and amendment numbers. FAILURE OF	YOUR ACKNO	WLEDGEMENT TO		
			OR TO THE HOUR AND DATE SPECIFIED MA submitted, such change may be made by telegrar				
	makes reference to the solicitation and			n on totton, pro	inges enen reregium		
12. AC	COUNTING AND APPROPRIATION DA	TA (If required) Increase funding by \$3	3,398,388.38				
		THIS ITEM APPLIES ONLY TO MODI	FICATIONS OF CONTRACTS/ORDERS, R NO. AS DESCRIBED IN ITEM 14.(x)				
	A. THIS CHANGE ORDER IS ISSUED	PURSUANT TO: (Specify authority)	THE CHANGES SET FORTH IN ITEM 14 ARE	MADE IN THE			
	CONTRACT ORDER NO. IN ITEM 10	·					
	B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FORTH I		ECT THE ADMINISTRATIVE CHANGES (such a THORITY OF F AR 43.103(b).	is changes in	paying office,		
	C. THIS SUPPLEMENTAL AGREEME	ENT IS ENTERED INTO PURSUANT	TO AUTHORITY OF:				
x	d. OTHER (Specify type of modification Contract Clauses I.1; 52.232		PR 1984)				
E. (MPC	ORTANT: Contractor X is not,	is required to sign this docume	nt and return copies to the is	suing office.			

14. description of amendment/modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to obligate incremental funding in accordance with Section B.4 NFS Contract Funding. This change increases the amount of funding by \$3,398,388.38 from \$71,711,547.83 to \$75,109,936.21.

See continuation pages for more details.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Janet G. Arkinson, Contracting Officer			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED 02-05-14		
		-105 STANDAF ford (Aug 95)	D FORM 30 (Rev. 10-83) Prescribed by GSA		

B.4 NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is the following estimated period of performance: January 1, 2011 through March 31, 2014.
- (b) An additional amount of is obligated under this contract for payment of fee.

(End of clause)

B.5 <u>FUNDING FOR FIXED-PRICE ITEMS PHASE-IN</u>

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

The EP emount obligated and available for FP Milestone Payment for Phase-In is (b)(4)

(b)(4)

The TOTAL FP amount obligated and available i

(End of clause)

B.6 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) ORDERS

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and modifications. The tasks may be dynamic in nature and may be performed in a teaming arrangement with the Government or other contractors.

IDIQ work will be ordered by the Government on a cost-reimbursement basis. The Government will issue a cost-reimbursement task order authorizing the contractor to perform all effort, or, alternatively, to define the overall requirements, performance standards, and specifications associated with the work. The Government will utilize the defined requirements, performance standards, and specifications delivered by the contractor to request a proposal for completion of the work. The negotiated proposal will form the basis for the Government to issue a cost reimbursement task order for this work.

			SOLICITATION/ OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES	
2. AME	NDMENT/MODIFICATION NO Mod 92		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 5. PROJECT NO. (If app. N/A				
6. ISSI	JED BY (CODE	BG	7. ADMIN	ISTERED BY (If other than Item 6)	CODE	BG	
NAS.	A Lyndon B. Johnson S	Space	Center	NASA	Lyndon B. Johnson Space	Center		
	NASA Parkway	•			ASA Parkway			
Attn:	BG/Tumarrow Igleha	art		Attn: B	G/Tumarrow Iglehart			
Hous	ton, TX 77058			Houst	on, TX 77058			
8. NAM	E AND ADDRESS OF CONTR	ACTOR	(No., street, county, State, and ZIP Co	ode)	and in the space of the state of the second state of the			
Lock	need Martin Integrated	d Syste	ems, Inc.					
	Dan Wegner	5						
	Bay Area Blvd							
	ton, TX 77058							
CODE			- terrent and a second s	FACILITY	CODE		•••••	
	9A. AMENDMENT OF SOLIC	TATION	I NO.	98. DATI	ED (SEE ITEM 11)			
x	10A. MODIFICATION OF CO NNJ10GA35C	NTRACT	VORDER NO.	10B. DAT 12/10/	TED (SEE ITEM 13) 10		3	
		11. 1	THIS ITEM ONLY APPLIES TO A	MENDME	NTS OF SOLICITATIONS			
Offers n	ne above numbered solicitation nust acknowledge receipt of this	ls amend amendn	ed as set forth in Item 14. The hour a nent prior to the hour and date specifi	and date spe ed in the sol	clfied for receipt of Offers is e loltation or as amended, by one of the	extended, following me	is not extended.	
SUBMITTE BE REC YOUR	EIVED AT THE PLACE DESIG DFFER. If by virtue of this ame	NATED	which includes a reference to the solic FOR THE RECEIPT OF OFFERS PR	itation and a IOR TO TH submitted, s	adging receipt of this amendment on e amendment numbers. FAILURE OF Y E HOUR AND DATE SPECIFIED MA' uch change may be made by telegram Ing hour and date specified.	OUR ACKNO	WLEDGEMENT TO REJECTION OF	
12. AC	COUNTING AND APPROPRIA	TION DA	TA (If required) N/A		2			
		ד 13. דו	THIS ITEM APPLIES ONLY TO MODI MODIFIES THE CONTRACT/ORDEI	FICATIONS R NO. AS D	OF CONTRACTS/ORDERS, ESCRIBED IN ITEM 14.(x)			
	A. THIS CHANGE ORDER IS CONTRACT ORDER NO. IN			THE CHAN	IGES SET FORTH IN ITEM 14 ARE N	ADE IN THE		
	B. THE ABOVE NUMBERED appropriation date, etc.) SET	CONTR.	ACT/ORDER IS MODIFIED TO REFL N ITEM 14, PURSUANT TO THE AU	ECT THE A	DMINISTRATIVE CHANGES (such a F FAR 43.103(b).	s changes in	paying office,	
	C. THIS SUPPLEMENTAL A	GREEME	ENT IS ENTERED INTO PURSUANT	TO AUTHO	RITY OF:			
x	d. OTHER (Specify type of m Contract Clauses I.1;			Irsement	(AUG 1987) Alternate II (.	APR 1984)	
E. IMP	ORTANT: Contractor	ls not,	x is required to sign this docume	ent and retur	n <u>1</u> copies to the iss	suing office.		
14. des	cription of amendment/modifica	tion (Org	anized by UCF section headings, incl	uding solicit	ation/contract subject matter where fe	asible.)		

See continuation pages for more details.

15A. NAME AND TITLE OF SIGNER (Type or print) Dan Wegner, Contracts Administrator		16A. NAME AND TITLE OF CONTRACTING OFFICE Learon Comeaux, Contracting Officer	R (Type or print)
15B. CONTRACTOR/OFFEROR (Signature of persols authorized to sign)	15C. DATE SIGNED 3.10.2014	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30 JSC MS Wo		ARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

- A. The purpose of this Supplemental Agreement is to incorporate the additional cost and fee awarded under Task Order No. 002 Rev. 1 in Section B of the conformed contract. There are also a correction to the current cumulative contract value in Section B.2; modification 80 contained a calculation error.
- B. Clause B.2, Total Contract Value is hereby revised to reflect the increase of \$188,014 (b) (4) in the basic period and \$ (b) (4) in Option 1), and decrease by \$36,024 from an error in mod 80. As a result of this change, clause B.2 is hereby updated as follows (changes noted in bold and italics).

B.2 TOTAL CONTRACT VALUE

The current cumulative contract value is <u>\$79,285,667</u> (including the Firm Fixed-Price (FFP) Phase-In, all Task Orders issued to date and Underlimit Pool for Contract Year 3).

Task Order (TO) No. 001 was issued on July 12, 2011 for a total price of 3,174,829 (**(b) (4)** in cost and **(b) (4)** in fee). Task Order No. 001, Revision 01 was issued on June 8, 2012 with a total increase in price of 410,094 (**(b) (4)** in cost and **(b) (4)** in fee). The total revised price for TO 001 is 3,584,923 (**(b) (4)** in cost and **(b) (4)** in fee).

TO No. 002 was issued on June 28, 2013 for a total price of \$2,051,327 ((b) (4) in cost and (b) (4) in fee). TO No. 002 Revision 01 was issued on November 18, 2013 with a total increase in price of \$188,014 (b) (4) cost and (b) (4) fee). The total revised price for TO 002 is \$2,239,341 (b) (4) cost and (b) (4) fee).

TO No. 003 was issued on August 28, 2013 for a total price of 964,488 ((b) (4) in cost and (b) (4) in fee).

The minimum amount of IDIQ supplies and services ordered in total and paid for under this contract shall be <u>\$15,000</u>.

The maximum not-to-exceed (NTE) value of IDIQ supplies and services ordered in total under this contract is <u>\$20 Million</u>, which includes incidental materials and travel. The maximum NTE amount does not reflect an obligation of the Government. The Government's obligation hereunder shall be based on that specified in the task/delivery orders issued during the period of the contract.

Basic Period of Performance Table

	Maximum Contract Value				
Phase-In (ref Clause B.5)					
CPAF (ref Clause B.3)					
Remaining IDIQ (NTE)					
TOTAL					

Option 1 Table

	Maximum Contract Value				
CPAF (ref Clause B.3)					
Remaining IDIQ (NTE)					
TOTAL					

Option 2 Table

	Maximum Contract Value
CPAF (ref Clause B.3)	
Remaining IDIQ (NTE)	(D) (4)
TOTAL	

Option 3 Table

	Maximum Contract Value			
CPAF (ref Clause B.3)				
Remaining IDIQ (NTE)				
TOTAL				

Option 4 Table

• •	Maximum Contract Value				
CPAF (ref Clause B.3)	(b)(1)				
Remaining IDIQ (NTE)					
TOTAL					

Total Table

	Maximum Contract Value			
FFP	(b)(4)			
CPAF (ref Clause B.3)				
Remaining IDIQ (NTE)				
TOTAL	\$180,341,558			

(End of clause)

B.3 NFS 1852.216-85 ESTIMATED COST AND AWARD FEE (SEP 1993)

The estimated cost of this contract is (b) (4) The maximum available award fee, excluding base fee, if any, is (b) (4) Total estimated cost, base fee, and maximum award fee is (b) (4)

(End of clause)

B.7AWARD FEE

The amount of fee earned by the contractor shall be determined in accordance with Attachment J-5, Award Fee Evaluation Plan.

The amount of available and earned fee, by evaluation period, is provided in Table B-5 below:

Table B-	-5 Available and	Earned Fee			1	
Basic	Evaluation Periods	Available Fee	Earned Fee	Score	Rating	AF Payment Mod
1.	04/01/11 09/30/11			96	Excellent	Mod 20
2	10/01/11 – 3/31/12			96	Excellent	Mod 35
3	04/01/12 – 09/30/12			97	Excellent	Mod 53

4	10/01/12 - 3/31/13	(b) (4)	(b) (4)	97	Excellent	Mod 67
5	04/01/13 – 09/30/13				98	Excellent	Mod 86
6	10/01/13 – 03/31/14						
	TOTAL						
Option 1	Evaluation Periods				ite ite		
7	04/01/14 - 09/30/14		\$	-			
8	10/01/14 - 03/31/15		\$	-			
Option 2	Evaluation Periods						
9	04/01/15 09/30/15		\$	-		15	
10	10/01/15 – 03/31/16		\$	-		5 5 6	18
Option 3	Evaluation Periods						
11	04/01/16 - 09/30/16		\$	-			
12	10/01/16 – 03/31/17		\$	-			
Option 4	Evaluation Periods						
13	04/01/17 – 09/30/17		\$	-			
14	10/01/17 03/31/18		\$	-			

(End of clause)

E. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of this agreed to modification, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to these changes.

			OND A	hhinagi	10, 2100-0042
(- X		F SOLICITATION/ OF CONTRACT	1. CONTRACT ID CODE		PAGE OF PAGES
2. AMI	ENDMENT/MODIFICATION NO. Mod 93	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/BURCHASE REQ. NO.	5, PROJE	CT NO. (II eppl/cable)
6 ISS	UED BY CODE	BC	7. ADMINISTERED BY (If other than Item 6)	CODE	BG
	A Lyndon B. Johnson Space	Center	NASA Lyndon B. Johnson Space	Center	
	NASA Parkway		2101 NASA Parkway		
	BG/Learon Comeaux ston, TX 77058		Attn: BG/Learon Comeaux Houston, TX 77058		
	a management of the second	44			
8. NA(ME AND ADDRESS OF CONTRACTOR	(No., street, county) State, and ZIP C	ode)		
Lock	heed Martin Engineering Se	rvices			
Aftn:	Dan Wegner				
	Bay Area Blvd				
Hous	ston, TX 77058	and the second second second			
CODE	······································		FACILITY CODE		
· · ·	9A. AMENDMENT OF SOLICITATIO	N NO.	9B. DATED (SEE ITEM 11)		
x	10A, MODIFICATION OF CONTRAC NNJ10GA35C	T/ORDER NÖ.	10B. DATED (SEE ITEM 13) 12/10/10		
in an	11.	THIS ITEM ONLY APPLIES TO	AMENDMENTS OF SOLICITATIONS		
BE RE YOUR or lette 12, AC	CEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amendment r makes reference to the solicitation and COUNTING AND APPROPRIATION D/ 13. A. THIS CHANGE ORDER IS ISSUE CONTRACT ORDER NO. IN ITEM 10	FOR THE RECEIPT OF OFFERS PI you desire to change an offer already this amendment, and is received prio ATA <i>ill required</i> N/A THIS ITEM APPLIES ONLY TO MOD I MODIFIES THE CONTRACT/ORDE D PURSUANT TO: (Specify authority A. RACT/ORDER IS MODIFIED TO REF	citation and amendment numbers. FAILURE OF A RIOR TO THE HOUR AND DATE SPECIFIED MA submitted, such change may be made by telegrar or to the opening hour and date specified. DIFICATIONS OF CONTRACTS/ORDERS, R NO, AS DESCRIBED IN ITEM 14 (X) y) THE CHANGES SET FORTH IN ITEM 14 ARE I LECT THE ADMINISTRATIVE CHANGES (such a THORNTY OF FAP 43 100(b)	Y RESULT II n of letter, pr MADE IN TH	N REJECTION OF ovided each telegram
<u>, X</u>	30. THIS SUPPLEMENTAL AGREEM		244 - 244 - 244 - 244 - 244 - 244 - 244 - 244 - 244 - 244 - 244 - 244 - 244 - 244 - 244 - 244 - 244 - 244 - 244	<u></u>	<u>,</u>
	d. OTHER (Specify type of modificati	on and authority)			
e. imf	ORTANT: Contractor X is not.	Is required to sign this docum	nent end return <u>0</u> copies to the is	suing office.	<u> </u>
14. de	scription of amendment/modification (O	ganized by UCF section headings, In	cluding solicitation/contract subject matter where to	easible,)	· · · · · · · · · · · · · · · · · · ·
		(See continu	ation pages.)		
15 <u>A</u> . I	NAME AND TITLE OF SIGNER (Type or	print)	16A. NAME AND TITLE OF CONTRACTING		ypə or print)

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15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICE Learon Comeaux, Contracting Officer	
15B, CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	4 3 5 2014
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE)-105 STAND Vord (Aug 95)	ARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 OFR) 53,243

- 1. The purpose of this Supplemental Agreement is to make administrative changes to the contract. This modification constitutes a full and complete equitable adjustment for the parties for the changes identified in paragraphs 2 through 3 below.
- 2. Section J, Attachment J-8, <u>Data Requirements List and Data Requirements Descriptions</u>, DRD C-CO-01 Contract Close-out Plan is revised as follows:
 - a. Item 2. Date of Current Version is revised to "March 5, 2014."
 - b. Item 10. First Submission Date is revised to "1 year prior to end of contract including option periods, or at the Contracting Officer's (CO's) direction."
- 3. Section J, Attachment J-8, <u>Data Requirements List and Data Requirements Descriptions</u>, DRD C-RP-01 Reprocurement Data Package is revised as follows:
 - a. Item 2. Date of Current Version is revised to "March 5, 2014."
 - b. Item 10. First Submission Date is revised to "One (1) year prior to contract end, including option periods, or at the Contracting Officer's (CO's) direction."

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AME	INDMENT/MODIFICATION NO.	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 6. PROJECT NO. (It epole			OT NO. (I <i>l epplicable</i>)
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-ockł Attn: 2625	ie and abbreas of contractor need Martin Engineering Se Dan Wegner Bay Area Bivd	(No., street, county, State, and ZIP WICOS	Code)			
	ton, TX 77058			è.		
DÓDE	9A. AMENDMENT OF SOLICITATION	N NO	BB, DATED (SI	i na internet and the second		
	SAT WENDWENT OF SATISTICAL	N 190.				
K.	10A. MODIFICATION OF CONTRAC NNJ10GA35C	T/ORDER NO.	108. DATED (S 12-10-10	see Item 13)		<u>.</u>
nikoveni Landara		THIS ITEM ONLY APPLIES T	O AMENDMENTS	OF SOLICITATIONS		
a) Bý c	must soknowledge receipt of this amend completing items 8 and 15, and	copies of the emendment; (b) By acknowledging	receipt of this emendment on	each copy of	ine offor OWLEDGEMENT TO
UE REC	CEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amendment	you desire to change an offer alrea	PRIOR TO THE HOL dy submitted, such of	JR AND DATE SPECIFIED M. lange may be made by lelegra	AY RESULT I	
DE REC (OUR) Ar letter	CEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amendment makes reference to the solicitation and) FOR THE RECEIPT OF OFFERS you desire to change an offer alrea I this amendment, and is received p	PRIOR TO THE HOL dy submitted, such of	JR AND DATE SPECIFIED M. lange may be made by lelegra	AY RESULT I	
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DE REC (OUR) Ar letter	CEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amendment r makes reference to the solicitetion and COUNTING AND APPROPRIATION D. 13.	FOR THE RECEIPT OF OFFERS you dealers to change an offer alrea links amandment, and is received p ATA (If required) THIS ITEM APPLIES ONLY TO M T MODIFIES THE CONTRACT/OR	PRIOR TO THE HOL dy submilled, such of nor to the opening ho DDIFICATIONS OF C DER NO. AS DESCR	JR AND DATE SPECIFIED M, lange may be made by lefegri ur and date specified, IONTRACTS/ORDERS, IBED IN ITEM 14.(x)	AY RESULT II im of letter, pr	ovided each felegram
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CCO Mod 94 authorizes Lockheed Martin Engineering Services to perform the following tasks in support of critical International Space Station (ISS) Program requirements approved in Change Directive 13912. The estimated Period of Performance for these tasks is from the date specified in block 16C on page 1 of this modification (Authorization to Proceed) through 08/18/14:

- 1. Perform and complete early destow activities, including required transportation, for the SpaceX-3 flight scheduled to launch on March 16, 2014.
- 2. Perform and complete early destow activities, including required transportation, for the SpaceX-4 flight scheduled to launch on June 8, 2014.

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13994, "Authorize Cargo Mission Contract (CMC) to provide engineering support to High School Students United with NASA to Create Hardware (HUNCH) Program to design, fabricate, and certify a new International Space Station (ISS) Galley Table"

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ita. Name and title of signer (Type or print) Dan Wegner, Contraots Administrator		18A. NAME AND TITLE OF CONTRACTIN LOATON COMEAUX, CONTRACTING OF	
16B. CONTRACTORIOPPEROR (Signalure of person authorized to sign)	180: DATE SIGNED 3.3.2014	168. UNITED STATES OF AMERICA BY	
NSN 7630-01-182-8070 PREVIOUS EDITION UNUSABLE	30 JSO M8 W	108: 018 (Aug 96)	STANDARD FORM 30 (Rev. 10-83) Prescribed by 08A FAB (48 OFR) 53)243

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	Cost
95		Authorize Cargo Mission Contract (CMC) to provide engineering support to High School Students United with NASA to Create Hardware (HUNCH) Program to design, fabricate, and certify a new International Space Station (ISS) Galley Table	

B. Section C - Statement of Work, Table of Contents, is hereby updated to add the following:

6.6 Provide Engineering support to High School Students United with NASA to Create Hardware (HUNCH) Program to design, fabricate, and certify a new ISS Galley Table (SSCN 13994)

C. Section C - Statement of Work, Section 6.6 is hereby added as follows:

6.6 Provide Engineering support to High School Students United with NASA to Create Hardware (HUNCH) Program to design, fabricate, and certify a new ISS Galley Table (SSCN 13994)

The contractor shall perform the following tasks to support the HUNCH Program's design, fabrication and certification of a new International Space Station (ISS) Galley Table to be delivered in October 2014.

- Develop Galley Table requirements and perform a System Requirements Review (SRR). Final requirements shall be provided to HUNCH by April 11, 2014.
- Provide engineering consultation to HUNCH and review concepts, models and drawings to identify issues, concerns, and solutions (as required) with the design, fabrication and certification of a new ISS Galley Table
- Provide engineering input in the disposition of manufacturing non-conformances
- Develop Flight Safety Data Package (FSDP) and present to the Safety Review Panel (SRP)
- Develop Failure Modes and Effects Analysis (FMEAs) and Critical Items List (CILs)
- Develop required Material Identification and Usage Lists (MIULS) and Material Usage Agreement (MUAs)
- Develop Mass Properties and Volume Report
- Develop verification closures for structural, human factors and electrical grounding
- Develop ground handling requirements and contrainsts

These tasks shall be complete no later than October 17, 2014, based on a delivery of flight tested hardware to CMC from FIUNCH by September 1, 2014.

D. Section J - List of Attachment, Table of Contents, is hereby updated to add the following:

J-18 Government Furnished Data

E. Attachment J-9, Hardward List, is hereby updated to include the following:

TABLE 1.1-F Flight Crew Systems (FCS)

ltem Number	Description	Drawing/Part Number	Sustain
4 454			Yes (beginning
441,	Galley Table	TBD	10/17/14)

F. Attachment J-17 - Underlimit Pool Changes, is hereby updated to include the following:

Modification #	Mod Date	Description	Cost
95		Authorize Cargo Mission Contract (CMC) to provide engineering support to High School Students United with NASA to Create Hardware (HUNCH) Program to design, fabricate, and certify a new International Space Station (ISS) Galley Table	

G. Attachment J - 18- Government Furnished DataAttachment, is hereby updated to include the following:

NASA RESP	RESP Team	LM RESP	Unique ID	Nomenclature	FLT No.	Need Date
Stacy Hale	OZ	Michael Morgan		Critical Design Review (CDR) level design and documentation assuming CDR in Mid-June (SSCN 13994)	NFS	4/7/2014
Stacy Hale	OZ	Michael Morgan		Final Galley Table engineering drawings and CAD models (SSCN 13994)	NES	8/15/2014
Stacy Hale	OZ	Michael Morgan		Verification data package (SSCN 13994)	NFS	9/1/2014

H. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of this agreed to modification, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to these change

		F SOLICITATION/ OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES	
2. AN	IENDMENT/MODIFICATION NO. Mod 96	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)	
6. ISS	SUED BY CODE	BG	7. ADMINISTERED BY (If other than Item 6)	CODE BG	
NAS	SA Lyndon B. Johnson Space	Center	NASA Lyndon B. Johnson Space	Center	
	NASA Parkway		2101 NASA Parkway		
	: BG/Learon Comeaux		Attn: BG/Tumarrow Iglehart		
Hou	ston, TX 77058		Houston, TX 77058		
8. NA	ME AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP Co	ode)		
Lock	cheed Martin Engineering Ser	vices			
	: Dan Wegner				
	Bay Area Blvd				
	ston, TX 77058				
CODE			FACILITY CODE		
	9A. AMENDMENT OF SOLICITATION	NO.	9B. DATED (SEE ITEM 11)		
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	B. THE ABOVE NUMBERED CONTR. appropriation date, etc.) SET FORTH I		ECT THE ADMINISTRATIVE CHANGES (such a THORITY OF FAR 43.103(b).	s changes in paying office,	
	C. THIS SUPPLEMENTAL AGREEME	ENT IS ENTERED INTO PURSUANT	TO AUTHORITY OF:		
x	d. OTHER (Specify type of modificatio 52.217-9, Option to Extend		MAR 2000)		
E. IMF	E. IMPORTANT: Contractor X is not, is required to sign this document and return copies to the issuing office.				
14. de	scription of amendment/modification (Org	anized by UCF section headings, incl	uding solicitation/contract subject matter where fea	asible.)	
	(See Continuation Pages)				

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICE Janet G. Arkinson, Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	FI FICO
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		-105 STANDA /ord (Aug 95)	RD FORM 30 (Rev. 10-83) Prescribed by GSA

JSC MS Word (Aug 95)

NNJ10GA35C Modification 96 Page 2 of 3

- A. The purpose of this modification is to exercise Option 1 of the contract. As a result, the following changes are made:
- B. Section B.2, Total Contract Value has been updated.

B.2 TOTAL CONTRACT VALUE

The current cumulative contract value is <u>\$101,414,384</u> (including the Firm Fixed-Price (FFP) Phase-In, all Task Orders issued to date, all Underlimit Pools through Contract Year 3, and Option 1).

Task Order (TO) No. 001 was issued on July 12, 2011 that consisted a total price of \$3,174,829 (b) (4) in cost and (b) (4) in fee). Task Order No. 001, Revision 01 was issued on June 8, 2012 with a total increase in price of \$410,094 (b) (4) in cost and (b) (4) in fee). The total revised price for TO 001 is \$3,584,923 ((b) (4) in cost and (b) (4) in fee).

TO No. 002 was issued on June 28, 2013 for a total price of 2,051,327 ((b) (4) in cost and (b) (4) in fee)

TO No. 003 was issued on August 28, 2013 for a total price of \$964,488 (b) (4) in cost and (b) (4) in fee).

The minimum amount of IDIQ supplies and services ordered in total and paid for under this contract shall be <u>\$15,000</u>.

The maximum not-to-exceed (NTE) value of IDIQ supplies and services ordered in total under this contract is <u>\$20 Million</u>, which includes incidental materials and travel. The maximum NTE amount does not reflect an obligation of the Government. The Government's obligation hereunder shall be based on that specified in the task/delivery orders issued during the period of the contract.

Basic Period of Performance Table

6 II. 199	Maximum Contract Value
Phase-In (ref Clause B.5)	
CPAF (ref Clause B.3)	
Remaining IDIQ (NTE)	
TOTAL	

Option 1 Table

	Maximum Contract Value		
CPAF (ref Clause B.3)	(b)(1)		
TOTAL			

Option 2 Table

	Maximum Contract Value		
CPAF (ref Clause B.3)	(b)(1)		
TOTAL			

Option 3 Table

	Maximum Contract Value		
CPAF (ref Clause B.3)	(b)(4)		
TOTAL			

Option 4 Table

	Maximum Contract Value		
CPAF (ref Clause B.3)	(b) (1)		
TOTAL			

Total Table

	Maximum Contract Value		
FFP	(b) (1)		
CPAF (ref Clause B.3)	(D) (4)		
Remaining IDIQ (NTE)			
TOTAL	\$180,341,558		

	AMENDMENT O	SOLICITATION/		1. CONTRACT ID CODE	pprovar	PAGE OF		
		OF CONTRACT				1	2	
2. AME	endment/modification no. Mod 97	3. EFFECTIVE DATE See Block 16C	4. REQU	ISITION/PURCHASE REQ. NO. 4200507304	5. PROJE	CT NO. (If a	ipplicable)	
6. ISS	JED BY CODE		7. ADMIN	NISTERED BY (If other than Item 6)	CODE			
NAS.	A Lyndon B. Johnson Space	Center	NASA	Lyndon B. Johnson Space	Center			
2101 NASA Parkway		2101 NASA Parkway						
Attn: BG/Learon Comeaux			Attn: BG/Tumarrow Iglehart					
Hous	Houston, TX 77058			Houston, TX 77058				
8. NAN	IE AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP C	ode)	8				
Lock	heed Martin Integrated Syste	ems, Inc.						
Attn:	Dan Wegner							
2625	Bay Area Blvd							
Hous	ton, TX 77058							
CODE			FACILITY	CODE				
	9A. AMENDMENT OF SOLICITATION	I NO.	1	ED (SEE ITEM 11)				
х	10A. MODIFICATION OF CONTRACT NNJ10GA35C	/ORDER NO.	10B. DATED (SEE ITEM 13) 12/10/10					
Λ	in the second							
		THIS ITEM ONLY APPLIES TO A						
	ne above numbered solicitation is ameno nust acknowledge receipt of this amend				extended, following me	the second s	extended.	
(a) By c	ompleting Items 8 and 15, and	Copies of the amendment; (b)	By acknowle	edging receipt of this amendment on e	each copy of	the offor		
submitte	ed; or (c) By separate letter or telegram	which includes a reference to the solid	citation and a	amendment numbers. FAILURE OF Y	OUR ACKN	OWLEDGEN		
	CEIVED AT THE PLACE DESIGNATED DFFER. If by virtue of this amendment y							
	makes reference to the solicitation and	· · · · · · · · · · · · · · · · · · ·			r or letter, pr	ovided each	telegram	
12. AC	COUNTING AND APPROPRIATION DA	TA (If required) Increase funding by \$	11,177,69	95.16	2000/040			
		THIS ITEM APPLIES ONLY TO MOD MODIFIES THE CONTRACT/ORDE						
	A. THIS CHANGE ORDER IS ISSUE	D PURSUANT TO: (Specify authority)			ADE IN TH	E		
	CONTRACT ORDER NO. IN ITEM 10.	Α.						
	B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FORTH				s changes in	paying offic	e,	
	C. THIS SUPPLEMENTAL AGREEM	ENT IS ENTERED INTO PURSUANT	TO AUTHO	RITY OF:				
x	d. OTHER (Specify type of modification Contract Clauses I.1; 52.232		APR 1984)				
E. IMP	ORTANT: Contractor X is not,	is required to sign this docume			suing office.			

14. description of amendment/modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to obligate incremental funding in accordance with Section B.4 NFS Contract Funding. This change increases the amount of funding by \$11,177,695.16 from \$75,109,936.21 to \$86,287,631.37.

See continuation pages for more details.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED 3/18/2014		
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		-105 STANDAR ord (Aug 95)	D FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243		

B.4 <u>NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)</u>

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is **mathematical sectors**. This allotment is for cargo mission services and covers the following estimated period of performance: January 1, 2011 through <u>August 20, 2014</u>.
- (b) An additional amount of **second second** is obligated under this contract for payment of fee.

(End of clause)

B.5 <u>FUNDING FOR FIXED-PRICE ITEMS PHASE-IN</u>

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

The FP amount obligated and available for FP Milestone Payment for Phase-In is (b)(4)

The TOTAL FP amount obligated and available is (b)(4)

(End of clause)

B.6 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) ORDERS

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and modifications. The tasks may be dynamic in nature and may be performed in a teaming arrangement with the Government or other contractors.

IDIQ work will be ordered by the Government on a cost-reimbursement basis. The Government will issue a cost-reimbursement task order authorizing the contractor to perform all effort, or, alternatively, to define the overall requirements, performance standards, and specifications associated with the work. The Government will utilize the defined requirements, performance standards, and specifications delivered by the contractor to request a proposal for completion of the work. The negotiated proposal will form the basis for the Government to issue a cost reimbursement task order for this work.

, 			OMB A	pproval	No. 2700)-0042
AMENDMENT OF SOLICITATION/ MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE OF	and the second division of the second divisio
2. AMENDMENT/MODIFICATION NO. Mod 98	3. EFFECTIVE DATE See Block 16C	4. REQU	ISITION/PURCHASE REQ. NO.	5. PROJE	CT NO. (If ap	plicable)
6. ISSUED BY CODE		7. ADMIN	ISTERED BY (If other then Item 6)	CODE	1	
NASA Lyndon B. Johnson Space 2101 NASA Parkway Attn: BG/Learon Comeaux Houston, TX 77058	Center	2101 N Attn: B	Lyndon B. Johnson Space ASA Parkway G/Tumarrow Iglehart m, TX 77058	Center	h	(k.
8. NAME AND ADDRESS OF CONTRACTOR Lockheed Martin Integrated Syste Attn: Dan Wegner 2625 Bay Area Blvd Houston, TX 77058		ode)				
CODE		FACILITY	CODE	·····		
9A. AMENDMENT OF SOLICITATION	NO.	9B. DATED (SEE ITEM 11)				
10A. MODIFICATION OF CONTRACT/ORDER NO. X NNJ10GA35C			10B. DATED (SEE ITEM 13) 12/10/10			
The above numbered solicitation is amend Offers must acknowledge receipt of this amendr (a) By completing items 8 and 15, and submitted; or (c) By separate letter or telegram v BE RECEIVED AT THE PLACE DESIGNATED YOUR OFFER. If by virtue of this amendment y or letter makes reference to the solicitation and the 12. ACCOUNTING AND APPROPRIATION DA	Copies of the amendment; (b) I which includes a reference to the solici FOR THE RECEIPT OF OFFERS PRI ou desire to change an offer already s his amendment, and is received prior	nd date spe ed in the soli By acknowle itation and a IOR TO THE ubmitted, su	cified for receipt of Offers is e citation or as amended, by one of the dging receipt of this amendment on ea mendment numbers. FAILURE OF Yu HOUR AND DATE SPECIFIED MAY ich change may be made by telegram	ach copy of t OUR ACKNC	thods: he offor DWLEDGEME REJECTION	OF
11	HIS ITEM APPLIES ONLY TO MODI MODIFIES THE CONTRACT/ORDER	NO. AS DE	SCRIBED IN ITEM 14.(x)			
A. THIS CHANGE ORDER IS ISSUED CONTRACT ORDER NO. IN ITEM 104						
B. THE ABOVE NUMBERED CONTRA appropriation date, etc.) SET FORTH II	ACT/ORDER IS MODIFIED TO REFLINITEM 14, PURSUANT TO THE AUT	ECT THE AL	DMINISTRATIVE CHANGES (such as FAR 43.103(b).	changes in p	paying office,	
C. THIS SUPPLEMENTAL AGREEME	NT IS ENTERED INTO PURSUANT 1	TO AUTHOR	NTY OF:			
X d. OTHER (Specify type of modification Mutual Agreement of the P	and authority) arties		· · · · · · · · · · · · · · · · · · ·			

E. IMPORTANT: Contractor is not, X is required to sign this document and return _____ copies to the issuing office.

14. description of amendment/modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

See continuation pages for more details.

15A. NAME AND TITLE OF SIGNER (Type or print) DAN V. WEGNER, CONTRACTS	ADMINISTRATOR	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer		
15B. CONTRACTOR/OEFEROR (Signature of person authorized to sign)	15C. DATE SIGNED 4.14.2014	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED - 4/16/14	
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		105 STANE ord (Aug 95)	DARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

CARGO MISSION CONTRACT

- The purpose of this modification is to make administrative changes to the contract. This modification constitutes a full and complete equitable adjustment for the parties for the changes identified in Paragraph 2 below.
- 2) Section I, Contract Clauses Sub Section I.1 <u>LISTING OF CLAUSES INCORPORATED BY REFERNCE</u> is revised to add the following:

CLAUSE		
NUMBER	DATE	TITLE
52.204-15	JAN 2014	SERVICE CONTRACT REPORTING REQUIREMENTS FOR
		INDEFINITE –DELIVERY CONTRACTS

OMB Approval No. 2700-0042

x.

	AMENDMENT O MODIFICATION	OF CONTRACT	1. CON			PAGE OF PAGES
2. AM	IENDMENT/MODIFICATION NO. Mod 99	3. EFFECTIVE DATE See Block 16C		URCHASE REQ. NO.	6. PROJEC	T NO. (If applicable)
9. ISS	UED BY CODE	BG	And and a second s	BY (If other than Item 6)	CODE	BG
NAS	A Lyndon B. Johnson Space	Center	NASA Lyndo	n B. Johnson Space	Center	
	NASA Parkway		2101 NASA P			
	: BG/Learon Comeaux		Attn: BG/Lea	ron Comeaux		
Hou	ston, TX 77058		Houston, TX 7	77058		
B. NA	ME AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP	Code)			
Lock	cheed Martin Engineering Se	rvices				
Attn	: Dan Wegner					
2625	Bay Area Blvd					
Hou	ston, TX 77058					
CODE		<u></u>	FACILITY CODE			1999 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -
	SA. AMENDMENT OF SOLICITATION	NO.	9B. DATED (SEE /	TEM 11)		
		10B. DATED (SEE ITEM 13)				
x	10A. MODIFICATION OF CONTRACT	T/ORDER NO.		ITEM 13)		
T	NNJ10GA35C	THIS ITEM ONLY APPLIES TO fed as set forth in item 14. The hot	12/10/10 AMENDMENTS OF and date specified for r	SOLICITATIONS ecclpt of Offers is	extended, [ls not extended.
a) By submit E RE OUR	NNJ10GA35C 11. The above numbered solicitation is amenic must acknowledge receipt of this amend completing items 8 and 15, and ted; or (c) By separate letter or telegram CEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amendment y	THIS ITEM ONLY APPLIES TO ded as set forth in item 14. The hot ment prior to the hour and date spe Copies of the amendment; which includes a reference to the se FOR THE RECEIPT OF OFFERS you desire to change an offer alread	12/10/10 AMENDMENTS OF ir and date specified for in cified in the solicitation or b) By acknowledging rec blicitation and amendment PRIOR TO THE HOUR A by aubmitted, such chang	SOLICITATIONS eccept of Offers is as amended, by one of the elpt of this amendment on it numbers. FAILURE OF ND DATE SPECIFIED MA a may be made by telegram	e following met each copy of th YOUR ACKNO	hods; 10 offor WLEDGEMENT TO REJECTION OF
a) By submit SE RE YOUR	11. The above numbered solicitation is among must acknowledge receipt of this among completing items 8 and 15, and ted; or (c) By separate letter or telegram CEIVED AT THE PLACE DESIGNATED	THIS ITEM ONLY APPLIES TO ted as set forth in Item 14. The hot ment prior to the hour and date-spe Copies of the amendment; (which includes a reference to the se FOR THE RECEIPT OF OFFERS you desire to change an offer alread this amendment, and is received pri-	12/10/10 AMENDMENTS OF ir and date specified for in cified in the solicitation or b) By acknowledging rec blicitation and amendment PRIOR TO THE HOUR A by aubmitted, such chang lor to the opening hour an	SOLICITATIONS eccept of Offers is as amended, by one of the elpt of this amendment on it numbers. FAILURE OF ND DATE SPECIFIED MA a may be made by telegram	e following met each copy of th YOUR ACKNO	hods; 10 offor WLEDGEMENT TO REJECTION OF
(a) By submit SE RE YOUR or lette	11. The above numbered solicitation is among must acknowledge receipt of this amond completing items 8 and 15, and ted; or (c) By separate letter or telegram CEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amondment y r makes reference to the solicitation and CCOUNTING AND APPROPRIATION DA 13.	THIS ITEM ONLY APPLIES TO ded as set forth in item 14. The hot ment prior to the hour and date-spe Copies of the amendment; (which includes a reference to the set FOR THE RECEIPT OF OFFERS you desire to change an offer alread this amendment, and is received pr NTA (If required) increase \$3, THIS ITEM APPLIES ONLY TO MO	12/10/10 AMENDMENTS OF ir and date specified for r dified in the solicitation or b) By acknowledging rec b) By ackno	SOLICITATIONS eccept of Offers is as amended, by one of the elpt of this amendment on at numbers. FAILURE OF ' IND DATE SPECIFIED MA e may be made by telegram ind date specified.	e following met each copy of th YOUR ACKNO	hods; 10 offor WLEDGEMENT TO REJECTION OF
(a) By submit BE RE YOUR or lette	11. The above numbered solicitation is among must acknowledge receipt of this amond completing items 8 and 15, and ted; or (c) By separate letter or telegram CEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amondment y r makes reference to the solicitation and CCOUNTING AND APPROPRIATION DA 13.	THIS ITEM ONLY APPLIES TO ded as set forth in item 14. The hot ment prior to the hour and date-spe Copies of the amendment; (which includes a reference to the set FOR THE RECEIPT OF OFFERS you desire to change an offer alread this amendment, and is received pr NTA (If required) increase \$3, THIS ITEM APPLIES ONLY TO MO MODIFIES THE CONTRACT/ORD D PURSUANT TO: (Specify author	12/10/10 AMENDMENTS OF ir and date specified for r dified in the solicitation or b) By acknowledging rec b) By ackno	SOLICITATIONS eccept of Offers is as amended, by one of the elpt of this amendment on at numbers. FAILURE OF ' IND DATE SPECIFIED MA e may be made by telegran nd date specified.	e following met each copy of th YOUR ACKNO Y RESULT IN m or letter, prov	hods: 19 offor WLEDGEMENT TO REJECTION OF vided each telegram
(a) By submit BE RE YOUR or lette	NNJ10GA35C 11. The above numbered solicitation is among must acknowledge receipt of this amond tad; or (c) By separate letter or telegram (CEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amondment) or makes reference to the solicitation and CCOUNTING AND APPROPRIATION DA 13. 14. 15. 16. 17. 18. 19. 11. 11. 12. 13. 13. 14. 15. 15. 16. 17. 18. 19. 11. 12. 13. 13. 14. 15. 16. 17. 18. 19. 11. 12. 13. 14. 15. 16. 17. 18. 19. 19. 10. 11. 11. 11.	THIS ITEM ONLY APPLIES TO ded as set forth in item 14. The hot ment prior to the hour and date-spe Copies of the amendment; (which includes a reference to the set for THE RECEIPT OF OFFERS you desire to change an offer alread this amendment, and is received pr TA (If required) increase \$3. THIS ITEM APPLIES ONLY TO MC MODIFIES THE CONTRACT/ORE D PURSUANT TO: (Specify author A. ACT/ORDER IS MODIFIED TO RE	12/10/10 AMENDMENTS OF ir and date specified for <i>i</i> cified in the solicitation or b) By acknowledging reco- bicitation and amendmen PRIOR TO THE HOUR A ly aubmitted, such chang lor to the opening hour and 188.000 DIFICATIONS OF CONT ER NO. AS DESCRIBENT ty) THE CHANGES SET FLECT THE ADMINISTR	SOLICITATIONS eccept of Offers is as amended, by one of the elpt of this amendment on it numbers. FAILURE OF NOD DATE SPECIFIED MA a may be made by telegran nd date specified. TRACTS/ORDERS, D IN ITEM 14.(x) FORTH IN ITEM 14 ARE RATIVE CHANGES (such a	e following met each copy of th YOUR ACKNO Y RESULT IN m or letter, prov MADE IN THE	hods: 10 offor WLEDGEMENT TO REJECTION OF vided each telegram
(a) By submit BE RE YOUR or lette	NNJ10GA35C 11. The above numbered solicitation is among must acknowledge receipt of this amond tad; or (c) By separate latter or telegram to CelvED AT THE PLACE DESIGNATED OFFER. If by virtue of this amondment to reakes reference to the solicitation and COUNTING AND APPROPRIATION DATES 13. 14. 15. 16. 17. 18. 19. 11. 11. 12. 13. 13. 14. 15. 16. 17. 18. 19. 11. 12. 13. 13. 14. 15. 16. 17. 18. 19. 19. 10. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 19. 10. 10.	THIS ITEM ONLY APPLIES TO ded as set forth in item 14. The hot ment prior to the hour and date spe Copies of the amendment; (which includes a reference to the s FOR THE RECEIPT OF OFFERS you desire to change an offer alread this amendment, and is received pr NTA (If required) Increase \$3. THIS ITEM APPLIES ONLY TO MC MODIFIES THE CONTRACT/ORE D PURSUANT TO: (Specify author A. ACT/ORDER IS MODIFIED TO RE IN ITEM 14, PURSUANT TO THE A	12/10/10 AMENDMENTS OF ir and date specified for in cified in the solicitation or b) By acknowledging rec b) By acknowledging	SOLICITATIONS eccept of Offers is as amended, by one of the elpt of this amendment on it numbers. FAILURE OF NOD DATE SPECIFIED MA a may be made by telegran nd date specified. TRACTS/ORDERS, D IN ITEM 14.(x) FORTH IN ITEM 14 ARE RATIVE CHANGES (such a	e following met each copy of th YOUR ACKNO Y RESULT IN m or letter, prov MADE IN THE	hods: 10 offor WLEDGEMENT TO REJECTION OF vided each telegram
Offers (a) By submit BE RE YOUR or lette	NNJ10GA35C 11. The above numbered solicitation is among must acknowledge receipt of this amond ted; or (c) By separate letter or telegram of CEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amondment y makes reference to the solicitation and COUNTING AND APPROPRIATION DA 13. 14. 15. 16. 17. 18. 19. 11. 11. 12. 13. 13. 14. 15. 16. 17. 18. 19. 19. 10. 11. 12. 13. 13. 13. 14. 15. 16. 17. 18. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19. <	THIS ITEM ONLY APPLIES TO fed as set forth in item 14. The hot ment prior to the hour and date-spe Copies of the smendment; (which includes a reference to the sc FOR THE RECEIPT OF OFFERS you desire to change an offer alread this amendment, and is received pr NTA (If required) increase \$3. THIS ITEM APPLIES ONLY TO MC MODIFIES THE CONTRACT/ORE D PURSUANT TO: (Specify author A. ACT/ORDER IS MODIFIED TO RE IN ITEM 14, PURSUANT TO THE A ENT IS ENTERED INTO PURSUAN THIS INTERED INTO PURSUAN Man and euthority)	12/10/10 AMENDMENTS OF ir and date specified for in cified in the solicitation or b) By acknowledging reco- bicitation and amendment PRIOR TO THE HOUR A by aubmitted, such chang ior to the opening hour and 189.000 DIFICATIONS OF CONT PER NO. AS DESCRIBED ty) THE CHANGES SET FLECT THE ADMINISTE UTHORITY OF FAR 43.	SOLICITATIONS ecceipt of Offers is as amended, by one of the elpt of this amendment on at numbers. FAILURE OF ' ND DATE SPECIFIED MA a may be made by telegran and date specified. (RACTS/ORDERS, D IN ITEM 14.(x) FORTH IN ITEM 14 ARE RATIVE CHANGES (such a 103(b).	e following mei esch copy of th YOUR ACKNO Y RESULT IN m or letter, prov MADE IN THE se changes in p	hods: 19 offor WLEDGEMENT TO REJECTION OF vided each telegram

See continuation pages for more details.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
Dan Wegner, Contracts Administrator		Janet G. Arkinson, Contracting Officer		
16B. CONTRACTOB/OFFEROR	15C. DATE SIGNED	16B UNITED STATES OF AMERICA	16C. DATE SIGNED	
(Signature of perior) authorized to sign)	5-28-2014	BY (Signature of Contracting Officer)	05-28-14	
NSN 7640-01-162-8070 V PREVIOUS EDITION UNUSABLE		105 STANDAI ard (Aug 95)	RD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

- The purpose of this Supplemental Agreement is to incorporate the cost and fee amounts for Contract Year 4 (CY4) Underlimit (UL) Pool changes, pursuant to clause H.16: Special Clause for Contract Changes and IDIQ Task Orders. For the period of April 1, 2014 through March 31, 2015, UL Pool changes that have an absolute value less than \$700,000 are executed through the above contract provision.
- Clause B.2, Total Contract Value is hereby revised to reflect the increase from \$101,414,384 by \$3,189,000 to \$104,603,384 in cumulative base contract value. As a result of this change, replacement page B-1, B-2, and B-3 are hereby attached.

	1. Estimated Cost						\$ (b) (4)
Mod 99	2. Avail AF						\$
UL Pool CY4	3. Total Cost and Fee	~					\$
	4. Firm Fixed Price (FFP)				\$	-	\$
	5. IDIQ NTE						
	6. IDIQ Min	r			\$	-	\$
	7. TOTAL Potential CV						\$
CMM	8. Potential Contract Value	State Pril					
CMM	9. Current Contract Value	2		1	a ben re		

- Clause B.3, NFS 1852.216-85 Estimated Cost and Award Fee is hereby revised to reflect the increase from \$ (b) (4)
 As a result of this change, replacement page B-3 is attached.
- 4) Clause B.7 Award Fee is hereby revised to reflect the increase of the Option 1 fee total from

 (b) (4)
 As a result of this change, replacement pages B-5 and B-6 are attached.
- 5) This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of this agreed to modification, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to these changes.

CARGO MISSION CONTRACT

PART I - THE SCHEDULE

SECTION B - SUPPLIES OR SERVICES AND PRICE/COSTS

B.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE
None included		
by reference		

II. NASA FAR SUPPLEMENT (48 CFR CHAPTER 18) PROVISIONS

CLAUSE		
NUMBER	DATE	TITLE
None included		
by reference		

B.2 TOTAL CONTRACT VALUE

The current cumulative contract value is <u>\$104,603,384 (including the Firm Fixed-Price (FFP) Phase-In, all Task Orders issued to date and all Underlimit Pool</u> Modifications issue to date, and Option 1).



Task Order (TO) No. 001 was issued on July 12, 2011 that consisted of a total price of \$3,174,829 (a) and a cost and a cost in fee). Task Order No. 001, Revision 01 was issued on June 8, 2012 with a total increase in price of \$410,094 (a) and \$10,094 (b) and \$10,094 (c) and \$10,094 (c)

TO No. 002 was issued on June 28, 2013 for a total price of \$2,051,327 (\$ 100 min cost and \$ 100 min fee). TO No. 002 Revision 01 was issued on November 18, 2013 with a total increase in price of \$188,014 (\$(b) (4) cost and \$ 100 min fee). The total revised price for TO 002 is \$2,239,341 (\$ 100 min cost and \$ 100 min fee).

TO No. 003 was issued on August 28, 2013 for a total price of 964,488 (b) (4) in cost and (b) (4) in fee).

The minimum amount of IDIQ supplies and services ordered in total and paid for under this contract shall be \$15,000.

The maximum not-to-exceed (NTE) value of IDIQ supplies and services ordered in total under this contract is <u>\$20 Million</u>, which includes incidental materials and travel. The maximum NTE amount does not reflect an obligation of the Government. The Government's obligation hereunder shall be based on that specified in the task/delivery orders issued during the period of the contract.

Basic Period of Performance Table

	Maximum Contract Value
Phase-In (ref Clause B.5)	(b)(1)
CPAF (ref Clause B.3)	(D)(4)
Remaining IDIQ (NTE)	
TOTAL	

Option 1 Table

	Maximum Contract Value
CPAF (ref Clause B.3)	(b)(1)
Remaining IDIQ (NTE)	
TOTAL	

Option 2 Table

	Maximum Contract V	Value
CPAF (ref Clause B.3)	(h) (4)	
TOTAL		

Option 3 Table

	Maximum Contract Value
CPAF (ref Clause B.3)	(b) (1)
TOTAL	

Option 4 Table

	Maximum Contract Value
CPAF (ref Clause B.3)	(b) (1)
TOTAL	(D) (4)

The maximum available

Total estimated cost, base

CARGO MISSION CONTRACT

Total Table

	Maximum Contract Value
FFP	
CPAF (ref Clause B.3)	(D)(4)
Remaining IDIQ (NTE)	
TOTAL	\$183,530,558

(End of clause)

B.3 NFS 1852.216-85 ESTIMATED COST AND AWARD FEE (SEP 1993)

The estimated cost of this contract is award fee, excluding base fee, if any, fee, and maximum award fee is

(End of clause)

B.4 NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is successful and the covers the following estimated period of performance: January 1, 2011 through <u>August 20, 2014</u>.
- (b) An additional amount of <u>s</u> is obligated under this contract for payment of fee.

(End of clause)

B.5 FUNDING FOR FIXED-PRICE ITEMS PHASE-IN

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

The FP amount obligated and available for FP Milestone Payment for Phase-In is

The TOTAL FP amount obligated and available is

(End of clause)

CARGO MISSION CONTRACT

B.6 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) ORDERS

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and modifications. The tasks may be dynamic in nature and may be performed in a teaming arrangement with the Government or other contractors.

IDIQ work will be ordered by the Government on a cost-reimbursement basis. The Government will issue a cost-reimbursement task order authorizing the contractor to perform all effort, or, alternatively, to define the overall requirements, performance standards, and specifications associated with the work. The Government will utilize the defined requirements, performance standards, and specifications delivered by the contractor to request a proposal for completion of the work. The negotiated proposal will form the basis for the Government to issue a cost reimbursement task order for this work.

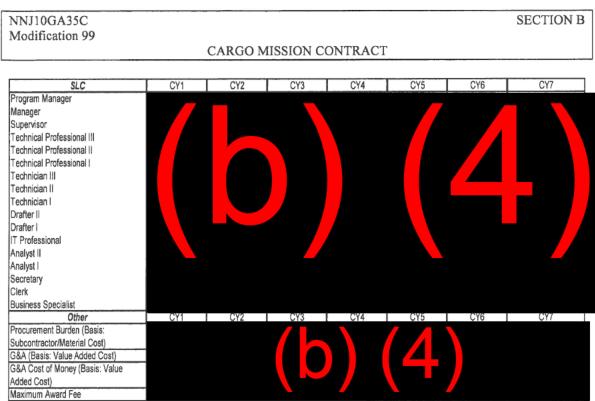
The contractor shall accept only task orders issued by the Contracting Officer. The total value of task orders issued under this clause shall not exceed \$20,000,000 during the contract period of performance. Any work which falls under SOW 5.0 and would otherwise be ordered under the IDIQ provisions of this contract, but which is valued at less than \$700,000, will be processed as an underlimit change pursuant to Clause H.16, Special Clause for Contract Changes and IDIQ Task Orders, in lieu of the task ordering procedures of this contract; these SOW 5.0 underlimit changes are excluded from the value of task orders issued, and are not subject to the IDIQ maximum value.

RATE TABLE FOR PRICING TASK ORDERS

The following labor and indirect rates shall be used in the establishment of the estimated cost of individual task orders. The labor rates are fully burdened composite team rates (prime and all subcontractors); but exclude prime fee. Fee will be negotiated as it is applied to each actual Task Order and will be paid based on the negotiated arrangement. Any negotiated fee will not exceed the max fee proposed by the contractor in the table below. The indirect rates are those that may be applied to non-labor resources costs, such as materials, travel and other. These indirect rates and the basis of application must be identified at the bottom of the table.

The parties agree that the fully burdened labor rates established below shall not be subject to any adjustment (upwards or downwards), regardless of actual rates incurred during contract performance.

IDIQ Rate per Hour Table (All labor rates are fully burdened exclusive of fee)



*Propose additional Labor Categories that cannot be logically mapped into any of the Standard Labor Categories above. Provide a job description and qualifying education and experience for all additional labor categories.

**Rates to be applied to non-labor costs (i.e. material, travel). Identify the rates and basis of application.

(End of clause)

B.7 <u>AWARD FEE</u>

The amount of fee earned by the contractor shall be determined in accordance with Attachment J-5, Award Fee Evaluation Plan.

The amount of available and earned fee, by evaluation period, is provided in Table B-5 below:

Table B	B-5 Available a	and Earned Fee			1	
Basic	Evaluation Periods	Available Fee	Earned Fee	Score	Rating	AF Payment Mod
1	04/01/11 – 09/30/11	(b)	(\land)	96	Excellent	Mod 20
2	10/01/11 – 3/31/12		(+)	96	Excellent	Mod 35
3	04/01/12 - 09/30/12			97	Excellent	Mod 53

NNJ10GA35C
Modification 99

CARGO MISSION CONTRACT

4	10/01/12 -	(h)	(\mathbf{A})	(4)	97	Excellent	Mod 67
	3/31/13			(4)			
5	04/01/13 -				98	Excellent	Mod 86
	09/30/13						
6	10/01/13 -						
	03/31/14						
	TOTAL						
Option	Evaluation						
1	Periods						
7	04/01/14 -			\$ -			
	09/30/14						
8	10/01/14 -			\$ -			
	03/31/15						
Option	Evaluation						
2	Periods						
9	04/01/15 -			\$ -			
	09/30/15						
10	10/01/15 -			\$ -			
	03/31/16						
Option	Evaluation						
3	Periods						
11	04/01/16 -			\$ -			
	09/30/16						
12	10/01/16 -			\$ -			
	03/31/17						
Option	Evaluation						
4	Periods						
13	04/01/17 -			\$ -			
	09/30/17						
14	10/01/17 -			\$ -			
	03/31/18						

(End of clause)

B.8 FIXED PRICE MILESTONE PAYMENTS – PHASE-IN

The following fixed-price amounts, identified in column C, will be paid for delivery of each of the milestones as shown in the table below <u>on</u> or <u>before</u> their associated due date in column B. Payment is dependent upon the contractor satisfactorily completing the milestones identified in their Attachment J-3, Phase-In Plan. When the milestone is not completed on or before the due date (column B) the fixed-price payment (column C) will be reduced by 2% per work day until the milestone is satisfactorily completed. These milestone payments only apply to

,

CARGO MISSION CONTRACT

milestone deliveries in the "phase-in period" identified in the contractor's Attachment J-3, Phase-In Plan.

A) Milestone	B) Due Date	C) Amount for Early or On Time Delivery
Milestone 1	1/7/11	
Milestone 2	11/14/11	
Milestone 3	3/1/11	
Milestone 4	1/28/11	
Milestone 5	2/11/11	
Milestone 6	2/18/11	
Milestone 7	3/31/11	
Milestone 8	3/31/11	
Milestone 9	3/31/11	
Milestone 10	3/31/11	
Milestone 11	3/31/11	
Total		

(End of clause)

B.9 NFS 1852.216-78 FIRM FIXED PRICE (CONTRACT PHASE-IN) (DEC 1988)

The total firm fixed price of the phase-in of this contract is **(D)** (**4**) The contract phase-in period is from January 1, 2011 through March 31, 2011.

(End of clause)

[END OF SECTION]

NASA ADMINISTRAT		Award Fee Payment Transmittal			
	rgent - This Payment Must be Pro odification and Send Form by E-mail to NSSC-Acco				
1. Contract Number:	2. Contractor Name:	3. Modification Number:			
NNJ10GA35C	Lockheed Marting Integrated Sy	stems, Inc. 101			
Authorized Payment Amo	unt: 5. NASA Center:				
(b) (4)	JSC -	Johnson Space Center			
. Center Point of Contact (P	POC):	7. Center POC Phone Number			
L	earon Comeaux/Contracting Officer	(281) 483-6525			
. Comments:					

OMB Approval No. 2700-0042

				ppiovai	10. 270	0-0042
	F SOLICITATION/ OF CONTRACT		1. CONTRACT ID CODE		PAGE OF	PAGES
2. AMENDMENT/MODIFICATION NO. Mod 101	3. EFFECTIVE DATE See Block 16C	4. REQU	JISITION/PURCHASE REQ. NO.	5. PROJE	CT NO. (If a	applicable)
6. ISSUED BY CODE	BG	7. ADMI	NISTERED BY (If other than Item 6)	CODE	BG	
NASA Lyndon B. Johnson Space	Center	1	Lyndon B. Johnson Space	Center	L	
2101 NASA Parkway			ASA Parkway			
Attn: BG/Learon J. Comeaux			G/Sophia Mo			
Houston, TX 77058			on, TX 77058			
8. NAME AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP Co	ode)				(d)). (d)
Lockheed Martin Integrated Syste	ems. Inc.					
Attn: Dan Wegner						
2625 Bay Area Blvd.						
Houston, TX 77058						
Construction of Construct and Constructions of						
CODE 32RN8		FACILITY	CODE			3
9A. AMENDMENT OF SOLICITATION	N NO.	9B. DAT	ED (SEE ITEM 11)			
X NNJ10GA35C	T/ORDER NO.	10B. DA 12/10/	тер (<i>see ітем 13</i>) 10			
	THIS ITEM ONLY APPLIES TO A		ENTS OF SOLICITATIONS			
The above numbered solicitation is amon Offers must acknowledge receipt of this amond	ded as set forth in Item 14. The hour a	and date sp	ecified for receipt of Offers is e	extended, following me		extended.
(a) By completing Items 8 and 15, and submitted; or (c) By separate letter or telegram BE RECEIVED AT THE PLACE DESIGNATED YOUR OFFER. If by virtue of this amendment or letter makes reference to the solicitation and	which includes a reference to the solic FOR THE RECEIPT OF OFFERS PR you desire to change an offer already s	itation and NOR TO TH submitted, s	E HOUR AND DATE SPECIFIED MA' such change may be made by telegram	OUR ACKN	OWLEDGEN REJECTIO	ON OF
12. ACCOUNTING AND APPROPRIATION D/						
	THIS ITEM APPLIES ONLY TO MODI					
A. THIS CHANGE ORDER IS ISSUE CONTRACT ORDER NO. IN ITEM 10) THE CHAI	NGES SET FORTH IN ITEM 14 ARE M	ADE IN TH	E	
B. THE ABOVE MINAR DUINT appropriation di 2017 E NO	E DERAWAR	DIN				e,
C. THIS UPPLEMENTAL AGREEM	ENT IS ENTERED INTO PURSUANT	TO AUTHO	DRITY OF:	a <u>.</u>		
d. OTHER (Specify type of modification X Clause G.2 NFS 1852.216		e Contr	acts (JUN 2000)			
E. IMPORTANT: Contractor X is not,	is required to sign this docume	ent and retu	rn copies to the iss	suing office.		
14. description of amendment/modification (On	ganized by UCF section headings, incl	luding solici	tation/contract subject matter where fe	asible.)		

		recognize the award fee earne		
Contractor will be paid	(b) (4)	based on this modification.	The contractor i	s not to submit a
voucher for earned awa	rd fee.			

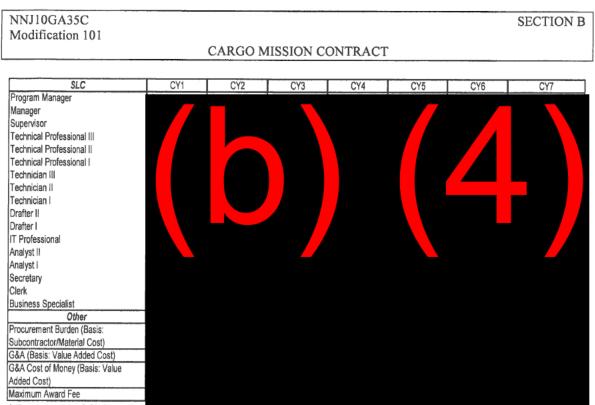
All other Terms and Conditions shall remain the same.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer) 16C. DATE 5/14/14	4
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		-105 STANDARD FORM 30 (Rev. /ord (Aug 95) Prescribed b FAR (48 CFR)	y GSA

1. The purpose of this modification is to recognize the award fee earned for evaluation Period 6, which was from October 1, 2013 through March 31, 2014. The FDO has determined that a score of 97 – Excellent has been earned for Period 6.

2.

- Period 6: Available Award Fee Pool Provisional Billing Amount (80%) Ś Invoice No. Month 82 Oct **85 Nov** 88 Dec 91 Jan 94 Feb 96 Mar Sum of Provisional Billings \$ Balance \$ Earned Fee Amount: 97% \$ Earned Fee Modification Amount
- 3. <u>Section B.7 Award Fee</u>: B.7 has been updated to include the Award Fee earned for Period 6. As a result of this change, pages B-5 and B-6 are hereby attached.



*Propose additional Labor Categories that cannot be logically mapped into any of the Standard Labor Categories above. Provide a job description and qualifying education and experience for all additional labor categories.

**Rates to be applied to non-labor costs (i.e. material, travel). Identify the rates and basis of application.

(End of clause)

B.7 <u>AWARD FEE</u>

The amount of fee earned by the contractor shall be determined in accordance with Attachment J-5, Award Fee Evaluation Plan.

The amount of available and earned fee, by evaluation period, is provided in Table B-5 below:

Basic	Evaluation Periods	Available Fee	Earned Fee	Score	Rating	AF Payment Mod
1	04/01/11 - 09/30/11	(h)		96	Excellent	Mod 20
2	10/01/11 – 3/31/12			96	Excellent	Mod 35
3	04/01/12 - 09/30/12	···		97	Excellent	Mod 53

NNJ10GA							SECTION B
Modificati	on 101	CARGO N	MISSION CONTR	ACT			
4	10/01/12 -	(b) (1)			7	Excellent	Mad 67
4	3/31/13	(D) (4)	(b) (4	9	''	Excellent	Mod 67
5	04/01/13	-		9	8	Excellent	Mod 86
	09/30/13						
6	10/01/13 -			9	7	Excellent	Mod 101
	03/31/14	-					
	TOTAL						
Option	Evaluation						
1	Periods						
7	04/01/14 -		\$	-			
	09/30/14						
8	10/01/14 -		\$	-			
	03/31/15						
Option	Evaluation						
2	Periods						
9	04/01/15 -		\$	-			
	09/30/15						
10	10/01/15 -		\$	-			
	03/31/16						
Option	Evaluation						
3	Periods						
11	04/01/16 -		\$	-			
	09/30/16	_					
12	10/01/16 -		\$	-			
	03/31/17						
Option	Evaluation						
4	Periods						
13	04/01/17 -		\$	-			
	09/30/17						
14	10/01/17 -		\$	-			
	03/31/18						

(End of clause)

B.8 FIXED PRICE MILESTONE PAYMENTS – PHASE-IN

The following fixed-price amounts, identified in column C, will be paid for delivery of each of the milestones as shown in the table below on or before their associated due date in column B. Payment is dependent upon the contractor satisfactorily completing the milestones identified in their Attachment J-3, Phase-In Plan. When the milestone is not completed on or before the due date (column B) the fixed-price payment (column C) will be reduced by 2% per work day until the milestone is satisfactorily completed. These milestone payments only apply to

OMB Approval No. 2700-0042

		F SOLICITATION/ OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. 102 3. EFFECTIVE DATE See Block 16C		4. REQU	ISITION/PURCHASE REQ. NO. 4200513827	5. PROJE	CT NO. (If applicable)	
6. ISS	UED BY CODE		7. ADMIN	IISTERED BY (If other than Item 6)	CODE	
	A Lyndon B. Johnson Space	Center		Lyndon B. Johnson Space	Center	
	NASA Parkway BG/Learon Comeaux			IASA Parkway G/Sophia Mo		
	ston, TX 77058			n, TX 77058		
	A AND ADDRESS OF CONTRACTOR	(No. street county State and ZIP Co		····		
O. INPAN	IE AND ADDRESS OF CONTRACTOR	(NO., Sheer, County, State, and ZIP Co	ue/			
	heed Martin Integrated Syste	ems, Inc.				
	Dan Wegner Bay Area Blvd					
	iton, TX 77058					
CODE			FACILITY			
	9A. AMENDMENT OF SOLICITATION	I NO.	9B. DATE	D (SEE ITEM 11)		
	10A. MODIFICATION OF CONTRACT/ORDER NO.		10B. DAT	ED (SEE ITEM 13)		
Х	NNJ10GA35C 12		12/10/10			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS						
The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:						
(a) By completing Items 8 and 15, and Copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offor						
submitt	ed; or (c) By separate letter or telegram v CEIVED AT THE PLACE DESIGNATED	which includes a reference to the solic	itation and a	mendment numbers. FAILURE OF Y	OUR ACKNO	WLEDGEMENT TO
	OFFER. If by virtue of this amendment y					
	makes reference to the solicitation and		to the open	ng hour and date specified.		
12. AC	COUNTING AND APPROPRIATION DA	IA (If required) Increase funding	by \$2,78	7,737.37		
		THIS ITEM APPLIES ONLY TO MODI MODIFIES THE CONTRACT/ORDEF				
	A. THIS CHANGE ORDER IS ISSUED CONTRACT ORDER NO. IN ITEM 10/		THE CHAN	GES SET FORTH IN ITEM 14 ARE N	ADE IN THE	
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office,					
	appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).					
	C. THIS SUPPLEMENTAL AGREEME	ENT IS ENTERED INTO PURSUANT	TO AUTHO	RITY OF:		
x	d. OTHER (Specify type of modificatio Contract Clauses I.1; 52.23		APR 198	4)		an a
E. IMPORTANT: Contractor X is not, is required to sign this document and return copies to the issuing office.						
14. des	14. description of amendment/modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)					

The purpose of this modification is to obligate incremental funding in accordance with Section B.4 NFS Contract Funding. This change increases the amount of funding by \$2,787,737.37 from \$86,287,631.37 to \$89,075,368.74.

See continuation pages for more details.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICE Learon J. Comeaux, Contracting Office	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY	- 5/16/14
(Signature of person authorized to sign)		(Signature of Contracting Officer)	
NSN 7540-01-152-8070	30	-105 STAND	ARD FORM 30 (Rev. 10-83)

B.4 NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Eurods clause, the total amount allotted by the Government to this contract is This allotment is for cargo mission services and covers the following estimated period of performance: January 1, 2011 through September 24, 2014.
- (b) An additional amount of fee.

obligated under this contract for payment of

(End of clause)

B.5 FUNDING FOR FIXED-PRICE ITEMS PHASE-IN

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

The EP amount obligated and available for FP Milestone Payment for Phase-In is

(b)(4)

The TOTAL FP amount obligated and available is (b)(4)

(End of clause)

B.6 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) ORDERS

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and modifications. The tasks may be dynamic in nature and may be performed in a teaming arrangement with the Government or other contractors.

IDIQ work will be ordered by the Government on a cost-reimbursement basis. The Government will issue a cost-reimbursement task order authorizing the contractor to perform all effort, or, alternatively, to define the overall requirements, performance standards, and specifications associated with the work. The Government will utilize the defined requirements, performance standards, and specifications delivered by the contractor to request a proposal for completion of the work. The negotiated proposal will form the basis for the Government to issue a cost reimbursement task order for this work.

OMB Approval No. 2700-0042

AMENDMENT OF SOLICITATION/ 1. CONTRACT ID CODE MODIFICATION OF CONTRACT						PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. 103 3. EFFECTIVE DATE See Block 16C			4. REQU	ISITION/PURCHASE REQ. NO. N/A	5. PROJEC	CT NO. (If applicable)
6. ISSU	6. ISSUED BY CODE			NISTERED BY (If other than Item 6)	CODE	
2101 Attn: I	Lyndon B. Johnson Space NASA Parkway 3G/Learon J. Comeaux on, TX 77058	2101 M Attn: E	Lyndon B. Johnson Space IASA Parkway IG/Sophia Mo on, TX 77058	e Center		
Lockh Attn: 2625	E AND ADDRESS OF CONTRACTOR need Martin Engineering Ser Dan Wegner Bay Area Blvd con, TX 77058					
CODE			FACILITY			
	9A. AMENDMENT OF SOLICITATION	N NO.	9B. DAT	ED (SEE ITEM 11)		
х	10A. MODIFICATION OF CONTRAC NNJ10GA35C	T/ORDER NO.	10B. DA 12/10/	ted (S <i>EE ITEM 13</i>) 10		
	11.	THIS ITEM ONLY APPLIES TO	O AMENDM	ENTS OF SOLICITATIONS		
(a) By c submitte BE REC YOUR (or letter	ompleting Items 8 and 15, and ed; or (c) By separate letter or telegram CEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amendment makes reference to the solicitation and COUNTING AND APPROPRIATION DA	Copies of the amendment; which includes a reference to the s FOR THE RECEIPT OF OFFERS you desire to change an offer alrea this amendment, and is received p	(b) By acknow olicitation and PRIOR TO TH dy submitted,	ledging receipt of this amendment on amendment numbers. FAILURE OF IE HOUR AND DATE SPECIFIED M such change may be made by telegra	each copy of YOUR ACKNO	the offor OWLEDGEMENT TO I REJECTION OF
12. AU						
	13.	THIS ITEM APPLIES ONLY TO MO MODIFIES THE CONTRACT/OR	DER NO AS (S OF CONTRACTS/ORDERS, DESCRIBED IN ITEM 14.(X)		
	A. THIS CHANGE ORDER IS ISSUE CONTRACT ORDER NO. IN ITEM 10	D PURSUANT TO: (Specify autho			MADE IN THE	E
x	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office,					
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
	d. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor X is not, is required to sign this document and return copies to the issuing office.						
14. de	scription of amendment/modification (O	rganized by UCF section headings,			feasible.)	

(See continuation pages.)

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY	16C. DATE SIGNED	
(Signature of person authorized to sign)		(Signature of Contracting Officer)	00000	
NSN 7540-01-152-8070 30		0-105 STAND Vord (Aug 95)	ARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

- 1. The purpose of this Supplemental Agreement is to make administrative changes to the contract. This modification constitutes a full and complete equitable adjustment for the parties for the changes identified in paragraphs 2 below.
- 2. Section J, Attachment J-6, <u>Subcontractor Management Plan (SMP)</u>, is revised to delete in its entirety and replace with the attached Attachment J-6, <u>Small Business Subcontracting Plan</u>, DRD Number CMC2-DRD-00043, Revision E.



CMC2-DRD-00043 Revision E

Cargo Mission Contract

Small Business Subcontracting Plan

April 16, 2014

DRD Number C-PC-06

Contract NNJ10GA35C

TYPE 1 - APPROVED BY NASA

The technical information contained herein is authorized for export by the United States Government in accordance with the Export Administration Regulations (EAR). It may be used only in the International Space Station (ISS) Program to fulfill responsibilities of the Parties or of a Cooperating Agency of an ISS Partner in furtherance of the ISS Intergovernmental Agreement. The export, re-export or re-transmission of this document, or any of the data contained, to any persons, other than citizens of the ISS International Partner countries, requires prior United States Government authorization.

LOCKHEED MARTIN Lockheed Martin Proprietary Information



CMC2-DRD-00043 Revision E

Small Business Subcontracting Plan

April 2014

DRD Number C-PC-06

Contract NNJ10GA35C



Approved by: (b) (4) 4/17/14 (b) (4) Date

IS&GS Civil Services Acquisitions Supplier Diversity Advocate Cargo Mission Contract

Approved by: 14 Jerry McDonald

Program Manager Cargo Mission Contract



Configuration Management Cargo Mission Contract

LOCKHEED MARTIN

Document under Export Control. See Cover. Lockheed Martin Proprietary Information

Change Information

L	List of Effective Pages				
Page Number	Version	Change			
All	Baseline	Original Issue			
All	Revision A	Updates made to be consistent with the type of subcontractors on CMC2, satisfy a CAR, incorporate task order # 001 into the base period contract value, and update annual values to the final contract SB goals.			
All	Revision B	Update made to incorporate CY2 U/L Pool, CR 013141, and CR 012804B into the base period contract value as of 09/30/2012.			
All	Revision C	Update made to incorporate CR 013314 into the base period and option period 1 contract values as of 03/31/13			
All	Revision D	Update made to incorporate CY3 U/L Pool, CR 012804C and CR 013767 into the base period and option period 1 contract values as of 09/30/13			
All	Revision E	Update made to incorporate CR 012804C, Rev 1 into the base period and option period 1 contract values as of 03/31/14.			

Document History

Document Number	Version	Publication Date	Effective Date
CMC2-00043	Baseline	10/26/2011	11/01/2011
	Revision A	05/01/2012	4/26/2012
	Revision B	11/01/2012	10/30/2012
	Revision C	05/01/2013	05/01/2013
	Revision D	10/22/2013	10/25/2013
	Revision E	04/16/2014	04/21/2014

CMC2-DRD-00043 Revision E

Preface



v Document under Export Control. See Cover. Lockheed Martin Proprietary Information

ADDENDUM A. TO INDIVIDUAL SMALL BUSINESS SUBCONTRACTING PLAN

NNJ10GA35C

Subcontracting Plan submitted in accordance with PL95-507

N/A

- 1a. Contract Number
- 1b. Proposal Number:
- 1c. Contracting Officer: Agency:
- 1d. Contract Term: Phase-In Base Period Option1 Option 2 Option 3 Option 4

Learon Comeaux, Contracting Officer NASA Johnson Space Center Houston, Texas

- 7 Years with 92 Day Phase In 01/01/11 – 03/31/11 04/01/11 – 03/31/14 04/01/14 – 03/31/15 04/01/15 – 03/31/16 04/01/16 – 03/31/17 04/01/17 – 03/31/18
- 2. Contractor Name

3.

Lockheed Martin Corporation



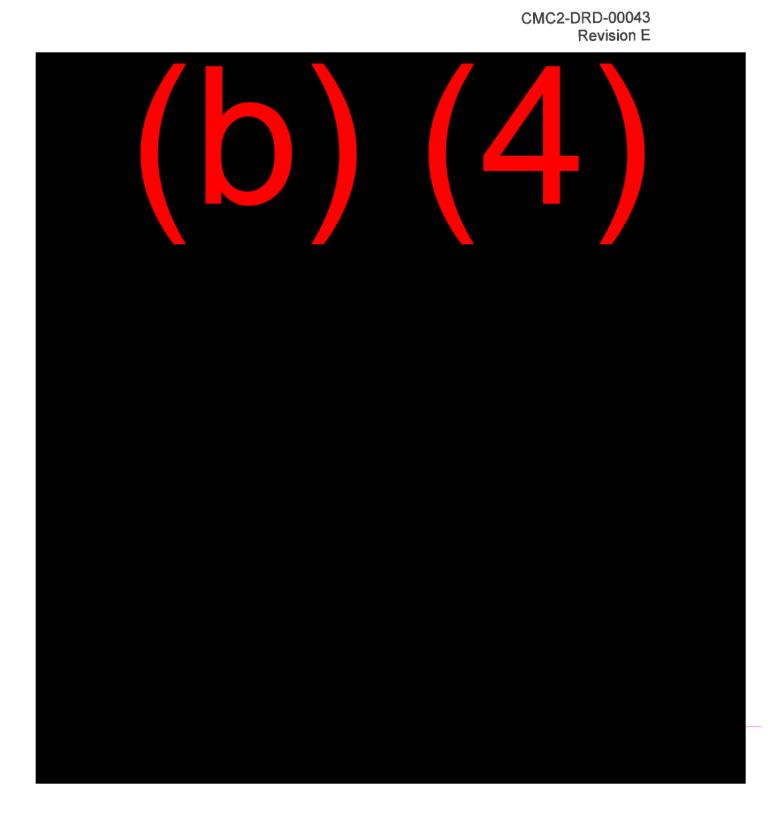
 Total Contract Value (Inclusive of Options)

Person Completing this Plan

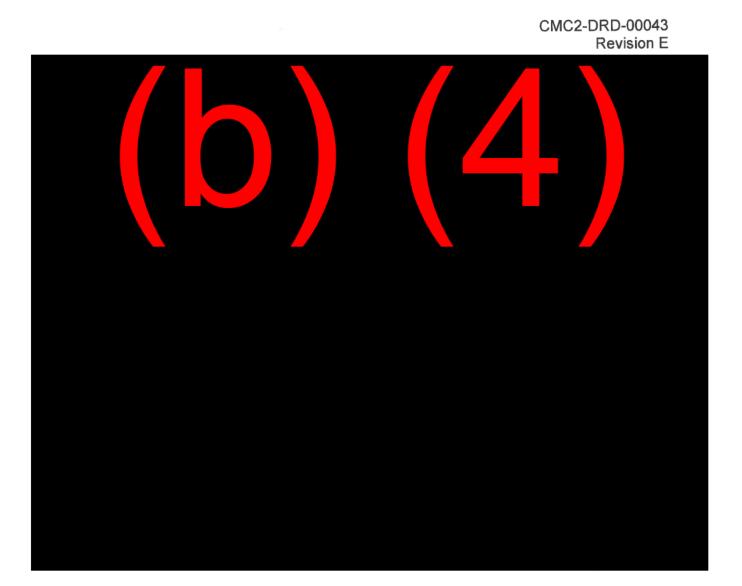
\$ 167,130,310

Phase-In	01/01/11 - 03/31/11
Base Period	04/01/11 - 03/31/14
Option1	04/01/14 - 03/31/15
Option 2	04/01/15 - 03/31/16
Option 3	04/01/16 - 03/31/17
Option 4	04/01/17 - 03/31/18

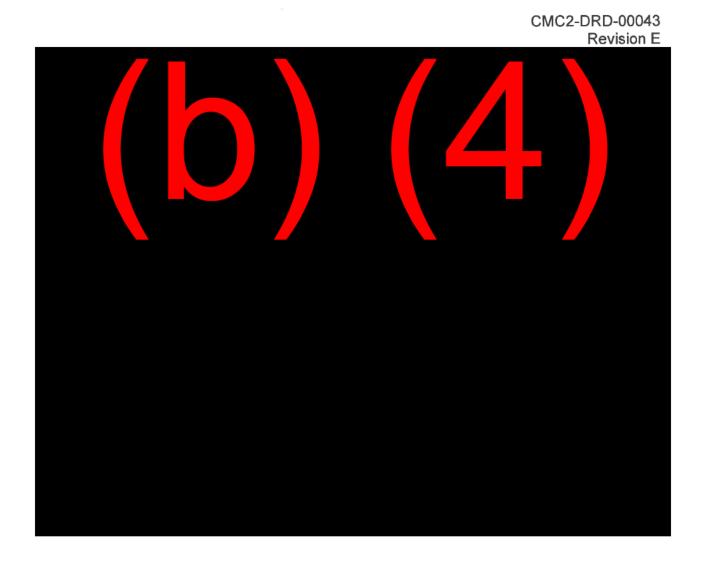




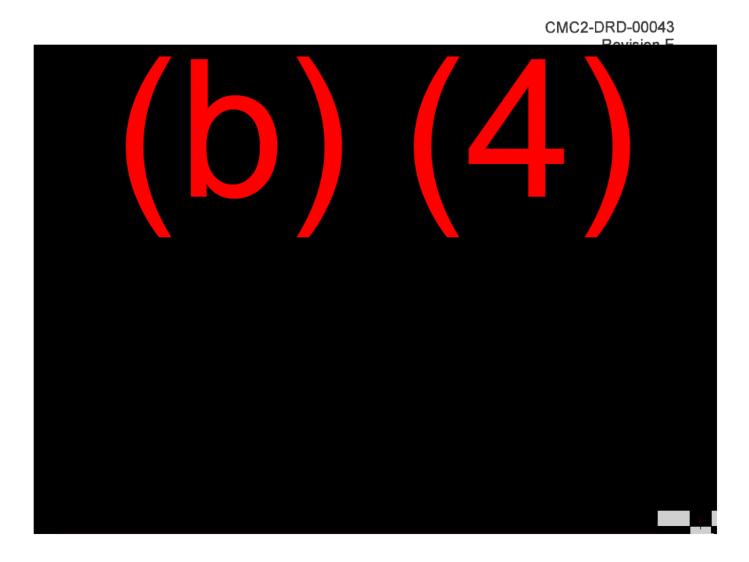
A-2 Document under Export Control. See Cover. Lockheed Martin Proprietary Information



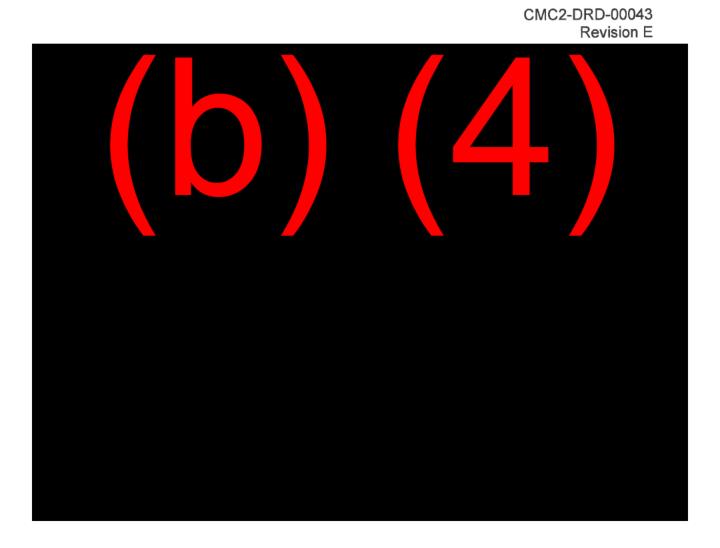
A-3 Document under Export Control. See Cover. Lockheed Martin Proprietary Information



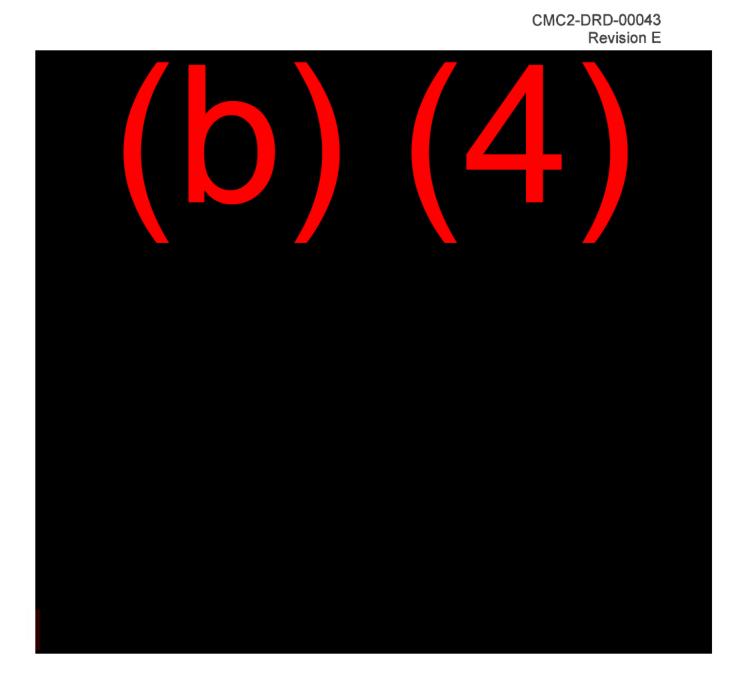
A-4 Document under Export Control. See Cover. Lockheed Martin Proprietary Information



A-5 Document under Export Control. See Cover. Lockheed Martin Proprietary Information



A-6 Document under Export Control. See Cover. Lockheed Martin Proprietary Information



A-7 Document under Export Control. See Cover. Lockheed Martin Proprietary Information

		OMB Approv	al No. 2700-0042		
	F SOLICITATION	1. CONTRACT ID CODE	PAGE OF PAGES		
2. AMENDMENT/MODIFICATION NO. Mod 104	3. EFFECTIVE DATE See Block 16C	N/A	OJECT NO. (If applicable)		
6. ISSUED BY CODE BG		7. ADMINISTERED BY (If other than item 6) COD	BG		
NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Attn: BG/Learon J. Comeaux Houston, TX 77058		NASA Lyndon B. Johnson Space Cent 2101 NASA Parkway Attn: BG/Sophia Mo Houston, TX 77058	er		
8. NAME AND ADDRESS OF CONTRACTOR Lockheed Martin Engineering Se Attn: Dan Wegner 2625 Bay Area Blvd Houston, TX 77058					
CODE		FACILITY CODE			
9A. AMENDMENT OF SOLICITATIO	DN NO.	9B, DATED (SEE ITEM 11)			
10A. MODIFICATION OF CONTRAC X NNJ10GA35C		10B. DATED (SEE ITEM 13) 12/10/10	12/10/10		
11.	THIS ITEM ONLY APPLIES TO	O AMENDMENTS OF SOLICITATIONS			
Offers must acknowledge receipt of this amen (a) By completing items 8 and 15, and submitted; or (c) By separate letter or telegrar	dment prior to the hour and date spe Coples of the amendment; n which includes a reference to the s D FOR THE RECEIPT OF OFFERS It you desire to change an offer alrea id this amendment, and is received p	ur and date specified for receipt of Offers is extended scified in the solicitation or as amended, by one of the following (b) By acknowledging receipt of this amendment on each co- colicitation and amendment numbers. FAILURE OF YOUR A PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESU dy submitted, such change may be made by telegram or lett rior to the opening hour and date specified. .390,275	ng methods: py of the offor ICKNOWLEDGEMENT TO JLT IN REJECTION OF		
		ODIFICATIONS OF CONTRACTS/ORDERS,			
	IT MODIFIES THE CONTRACT/OR	DER NO. AS DESCRIBED IN ITEM 14.(X)			
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
appropriation date, etc.) SET FORT	H IN ITEM 14, PURSUANT TO THE		ges in paying office,		
C. THIS SUPPLEMENTAL AGREE	MENT IS ENTERED INTO PURSUA	INT TO AUTHORITY OF:			
d. OTHER (Specify type of modified X Contract Clauses 1.1; 52.	ation and authority) 243-2 Changes Cost Re	eimbursement (AUG 1987) Alternate II (AP	R 1984)		
E. IMPORTANT: Contractor is not		the standard			

14. description of amendment/modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

See continuation pages for more details.

15A. NAME AND TITLE OF SIGNER (Type or print		16A. NAME AND TITLE OF CONTRACTING OFFIC Learon J. Comeaux Contracting Offic	
15B. CONTRACTOR/OFFEROR (Signature of berson authorized to sign)	16C. DATE SIGNED - 9.9.2014	18B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	= 9/9/2014
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		-105 STANS lord (Aug 95)	DARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

- 1) The purpose of this Supplemental Agreement is to incorporate the cost and fee amounts for Space Station Change Notice (SSCN) 13912. The contractor shall be authorized to perform all activities required to provide early destow activities for SpaceX 3 through SpaceX 12 flights per hardware requirements.
- Clause B.2. Total Contract Value is hereby revised to reflect the increase from by \$ to 2) in cumulative base contract value. As a result of this change, replacement page B-1, B-2, and B-3 are hereby attached.
- Clause B.3, NFS 1852.216-85 Estimated Cost and Award Fee is hereby revised to reflect the increase from 3) by \$ and the award fee increased from \$ to As a result of this change, replacement page B-3 is attached.
- 4) Clause B.7 Award Fee is hereby revised to reflect the increase of the Option 1 fee total from \$2,128,074 by and the the increase of the Option 2 fee total from \$ As a result of this change, increase of the Option 3 fee total from \$ by replacement pages B-5 and B-6 are attached.
- 5) Section C, Statement of Work, is hereby revised to add 6.7 as follows:
 - 6.7 Perform early destow activities, provide air transportation for early return hardware, and loading and offloading services for early return hardware for SpaceX-3 through SpaceX-12 flights (SSCN 13912 - Mod 104)

The contractor shall perform the early destow activities for SpaceX-3 through SpaceX-12 flights in accordance with SSP 50465, Return Manifest Disposition Plan (RMDP) flight specific appendices.

Ou L.C. PORT

The contractor shall provide the air transportation and loading and offloading services for early return hardware from the post of return to Houston with a single aircraft. Aircraft requirements include:

- 1. The aircraft shall accommodate up to a total of 6500 pounds (lbs.) of cargo, Ground Support Equipment (GSE), flight hardware and support equipment from port of return to Houston.
- 2. The aircraft shall transport a minimum of three passengers.
- 3. Hardware shall be transported based on provided temperature constraints and aircraft cabin shall be maintained for passenger comfort nominally at 75°F +/- 10°F.
- 4. The aircraft cargo door shall be at least 34 inches wide for loading and offloading of equipment.
- 5. The aircraft shall provide 4.4 kilowatts (kWs) of power at 115 volts alternating current (VAC) to power GSE while the aircraft is on the ground and 3.8 kW at 115 VAC during flight.
- 6. The aircraft shall accommodate a Dry Ice Pelican Case with up to 100 lbs. of dry ice and ventilation of the Dry Ice Pelican Case.
- The aircraft shall allow in-flight accessibility for monitoring of hardware.

The contractor shall return the cargo (nominal plan) within 12 hours from turnover at port of return to landing in Houston.

The contractor shall transport the GSE from Houston to the port of return.

6) This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed change directive 13912 "Add Early Destow Operations to Cargo Mission Contract (CMC) for SpaceX-3 and subs through FY 2016," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

CARGO MISSION CONTRACT

PART I - THE SCHEDULE

SECTION B - SUPPLIES OR SERVICES AND PRICE/COSTS

B.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE
None included by reference		

II. NASA FAR SUPPLEMENT (48 CFR CHAPTER 18) PROVISIONS

CLAUSE NUMBER	DATE	TITLE
None included		
by reference		

B.2 TOTAL CONTRACT VALUE

The current cumulative contract value is <u>final (including the Firm Fixed-Price (FFP) Phase-In, all Task Orders issued to date and Underlimit Pool for Contract Years 1-4).</u>

Task Order (TO) No. 001 was issued on July 12, 2011 that consisted a total price of \$3,174,829 ((b) (4) in cost and in fee). Task Order No. 001, Revision 01 was issued on June 8, 2012 with a total increase in price of \$410,094 in cost and \$1 in fee). The total revised price for TO 001 is \$3,584,923 (b) (4) in cost and \$1 in fee).

TO No. 002 was issued on June 28, 2013 for a total price of \$2,051,327((b) (4) in cost and \$(b) (4) in fee). TO No. 002 Revision 01 was issued on November 18, 2013 with a total increase in price of \$188,014 (b) (4) cost and (b) (4) fee). The total revised price for TO 002 is \$2,239,341 ((b) (4) cost and (b) (4) fee).

TO No. 003 was issued on August 28, 2013 for a total price of in cost and the fin fee).

The minimum amount of IDIQ supplies and services ordered in total and paid for under this contract shall be

The maximum not-to-exceed (NTE) value of IDIQ supplies and services ordered in total under this contract is <u>\$20 Million</u>, which includes incidental materials and travel. The maximum NTE amount does not reflect an obligation of the Government. The Government's obligation hereunder shall be based on that specified in the task/delivery orders issued during the period of the contract.

Basic Period of Performance Table

Maximum Contract Value
5
\$
\$
\$

Option 1 Table

	Maximum Contract Value
CPAF (ref Clause B.3)	
Remaining IDIQ (NTE)	\$0
TOTAL	

Option 2 Table

-	Maximum Contract Value
CPAF (ref Clause B.3)	
Remaining IDIQ (NTE)	\$0
TOTAL	

Option 3 Table

	Maximum Contract Value
CPAF (ref Clause B.3)	
Remaining IDIQ (NTE)	\$0
TOTAL	

Option 4 Table

-	Maximum Contract Value
CPAF (ref Clause B.3)	
Remaining IDIQ (NTE)	\$0
TOTAL	

Total Table

	Maximum Contract Value
FFP	\$

CPAF (ref Clause B.3)	(b) (4)
Remaining IDIQ (NTE)	
TOTAL	\$184,920,833

(End of clause)

NFS 1852.216-85 ESTIMATED COST AND AWARD FEE (SEP 1993) **B.3**

D The estimated cost of this contract is award fee, excluding base fee, if any, is fee, and maximum award fee is \$169,492,793.

The maximum available Total estimated cost, base

(End of clause)

NFS 1852.232-81 CONTRACT FUNDING (JUN 1990) **B.4**

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is (0) (4). This allotment is for cargo mission services and covers the following estimated period of performance: January 1, 2011 through January 17, 2015.
- is obligated under this contract for (b) An additional amount of payment of fee.

(End of clause)

FUNDING FOR FIXED-PRICE ITEMS PHASE-IN **B.5**

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

The FP amount obligated and available for FP Milestone Payment for Phase-In is

The TOTAL FP amount obligated and available i



(End of clause)

INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) ORDERS **B.6**

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide

engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and modifications. The tasks may be dynamic in nature and may be performed in a teaming arrangement with the Government or other contractors.

IDIQ work will be ordered by the Government on a cost-reimbursement basis. The Government will issue a cost-reimbursement task order authorizing the contractor to perform all effort, or, alternatively, to define the overall requirements, performance standards, and specifications associated with the work. The Government will utilize the defined requirements, performance standards, and specifications delivered by the contractor to request a proposal for completion of the work. The negotiated proposal will form the basis for the Government to issue a cost reimbursement task order for this work. The contractor shall accept only task orders issued by the Contracting Officer.

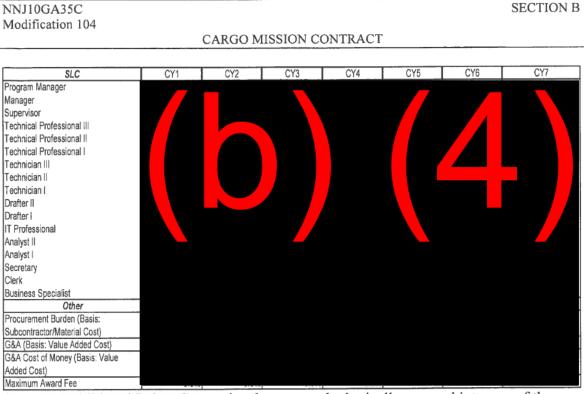
The total value of task orders issued under this clause shall not exceed \$20,000,000 during the contract period of performance. Any work which falls under SOW 5.0 and would otherwise be ordered under the IDIQ provisions of this contract, but which is valued at less than \$700,000, will be processed as an underlimit change pursuant to Clause H.16, Special Clause for Contract Changes and IDIQ Task Orders, in lieu of the task ordering procedures of this contract; these SOW 5.0 underlimit changes are excluded from the value of task orders issued, and are not subject to the IDIQ maximum value.

RATE TABLE FOR PRICING TASK ORDERS

The following labor and indirect rates shall be used in the establishment of the estimated cost of individual task orders. The labor rates are fully burdened composite team rates (prime and all subcontractors); but exclude prime fee. Fee will be negotiated as it is applied to each actual Task Order and will be paid based on the negotiated arrangement. Any negotiated fee will not exceed the max fee proposed by the contractor in the table below. The indirect rates are those that may be applied to non-labor resources costs, such as materials, travel and other. These indirect rates and the basis of application must be identified at the bottom of the table.

The parties agree that the fully burdened labor rates established below shall not be subject to any adjustment (upwards or downwards), regardless of actual rates incurred during contract performance.

IDIQ Rate per Hour Table (All labor rates are fully burdened exclusive of fee)



*Propose additional Labor Categories that cannot be logically mapped into any of the Standard Labor Categories above. Provide a job description and qualifying education and experience for all additional labor categories.

**Rates to be applied to non-labor costs (i.e. material, travel). Identify the rates and basis of application.

(End of clause)

B.7 <u>AWARD FEE</u>

The amount of fee earned by the contractor shall be determined in accordance with Attachment J-5, Award Fee Evaluation Plan.

The amount of available and earned fee, by evaluation period, is provided in Table B-5 below:

Basic	Evaluation Periods	Available Fee	Earned Fee	Score	Rating	AF Payment Mod
1	04/01/11 – 09/30/11	(b)	(\land)	96	Excellent	Mod 20
2	10/01/11 – 3/31/12			96	Excellent	Mod 35
3	04/01/12 - 09/30/12			97	Excellent	Mod 53

NNJ100								SECTION B
Modific	ation 104	CA	RGO	AISSION C	ONTRA	СТ		
4	10/01/12	(b) (A				97	Excellent	Mod 67
4	10/01/12 – 3/31/13	(b) (4		(b)	(4)	91	Excentent	WIGG 07
5	04/01/13					98	Excellent	Mod 86
U U	09/30/13							
6	10/01/13 -					97	Excellent	Mod 101
	03/31/14							
	TOTAL							
Option	Evaluation Periods							
<u>1</u> 7	04/01/14 –			\$				
'	09/30/14			Ψ				
8	10/01/14 -	-		\$	-			
	03/31/15							
Option	Evaluation							
2	Periods							
9	04/01/15 -			\$	-			
	09/30/15	_						
10	10/01/15 -			\$	-			
	03/31/16	-						
Option	Evaluation							
3	Periods	-		.				
11	04/01/16 -			\$	-			
10	09/30/16	-		ф.				
12	$\frac{10}{01} - \frac{10}{10} - 10$			\$	-			
Ontion	03/31/17 Evaluation							
Option 4	Periods							
13	04/01/17 -			\$			1	
15	09/30/17			Ψ				
14	10/01/17 -		_	\$	-			
	03/31/18			-				

(End of clause)

	AMENDMENT OF MODIFICATION	F SOLICITATION/ OF CONTRACT		1. CONTRACT ID CODE		PAGE OF	PAGES
2. AME	ENDMENT/MODIFICATION NO. 105	3. EFFECTIVE DATE See Block 16C	4. REQU	ISITION/PURCHASE REQ. NO.	5. PROJE	CT NO. (If e	pplicable)
6. ISS	UED BY CODE		7. ADMIN	ISTERED BY (If other than Item 6)	CODE.	1	
		Question .]			L	
	A Lyndon B. Johnson Space	Center		Lyndon B. Johnson Space	Center		
	NASA Parkway			IASA Parkway			
Attn:	BG/Learon J. Comeaux		Attn: B	G/Sophia Mo			
Hous	ton, TX 77058		Housto	on, TX 77058			
	·			•			
8. NAM	ALE AND ADDRESS OF CONTRACTOR	(IVO., SIFEET, COUNTY, State, and ZIP C	0ae)				
المعاد	haad Martin Environation Oor						
	heed Martin Engineering Ser	VICES					
	Dan Wegner						
2625	Bay Area Blvd						
Hous	ton, TX 77058						
		······································	1	3			H
CODE			FACILITY		10		
	9A. AMENDMENT OF SOLICITATION	I NO.	9B. DAT	ED (SEE ITEM 11)			
v	10A. MODIFICATION OF CONTRACT	T/ORDER NO.		TED (SEE ITEM 13)			
X	NNJ10GA35C		12/10/			· · · · · · · · · · · · · · · · · · ·	
	11. `	THIS ITEM ONLY APPLIES TO A	AMENDME	NTS OF SOLICITATIONS			
Пт	he above numbered solicitation is amend	led as set forth in item 14. The hour r	and date spe	clified for receipt of Offers is	extended,	is not	extended.
	must acknowledge receipt of this amend				e following me	ethods:	
(-) []	completing Items 8 and 15, and		Bernalia and	edging receipt of this amendment on	anab convict	the offer	
	ted; or (c) By separate letter or telegram						
	CEIVED AT THE PLACE DESIGNATED						
	OFFER. If by virtue of this amendment y				m or letter, pr	ovided each	telegram
	r makes reference to the solicitation and		r to the open	ing hour and date specified.			
12. AC	COUNTING AND APPROPRIATION DA	TA (If required)					
	40.1			OF CONTRACTORDERS			
		THIS ITEM APPLIES ONLY TO MOD MODIFIES THE CONTRACT/ORDE					
	A. THIS CHANGE ORDER IS ISSUE				MADE IN TH	E	
·	CONTRACT ORDER NO. IN ITEM 10.		/			-	
		ANTIONDER IN MODIFIED TO DEEL	FOT THE	DMINISTRATING OUNDOES (such a	n ohenene le		
х	B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FORTH 1				as changes in	i baying one	,e,
<u> </u>		· · · · · · · · · · · · · · · · · · ·					
	C. THIS SUPPLEMENTAL AGREEM	ENT IS ENTERED INTO PURSUANT	TO AUTHO	RITY OF:			
	d. OTHER (Specify type of modification	on and authority)					
E. IMP	ORTANT: Contractor is not,	X is required to sign this docume	ent and retu	m copies to the is	suing office.		
14. de	scription of amendment/modification (Org	anized by UCF section headings, inc	ludina solici	ation/contract subject matter where fe	easible.)		
					,		
							•
		10 m m m m H	officia -				
		(See continua	ation pa	ges.)			
					_		
15A, N	AME AND TITLE OF SIGNER (Type or			ME AND TITLE OF CONTRACTING		/pe or print)	
JAN I	LEGNER · CONTRACTS	NEGOTIATOR . STAFF	Learor	J. Comeaux, Contracting	Officer		
15B. C	ONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UN	TED STATES OF AMERICA		16C. DATI	
(K) A	فالجاف والمرقص الد	BY 🚽				1
2	- cen phina	1.29.2014			***	7/10	111
	(Signature of person authorized to sign)			(Signature of Contracting Officer)		101	<u> T</u>
	540-01-152-8070	30-1		· · · · · · · · · · · · · · · · · · ·	STANDARD I		
PREV	OUS EDITION UNUSABLE	JSC MS Wo	ord (Aug 95)			Prescrib FAR (48 CI	ed by GSA FR) 53.243

- The purpose of this Supplemental Agreement is to definitize Space Station Change Notice 013915, "Retirement of Treadmill with Vibration Isolation and Stabilization (TVIS) System." This modification constitutes a full and complete equitable adjustment for the parties for the changes identified in paragraphs 2 below.
- 2. Section J, Attachment J-9, <u>Hardware List</u>, Table 1.1-1 Added Non Spoc Flight Crew Systems (FCS) Items is revised to delete the following line items (all changes noted by strikethrough):

TABLE 1.1-I ADDED NON SPOC FLIGHT CREW SYSTEMS (FCS) ITEMS

224	DIAL TORQUE WRENCH ASSY	SEG33116504	Yes
228	TVIS GYRO REPAIR TOOL KIT	SJG33116475	¥es_
229	TVIS MAINTENANCE TOOLS KIT	SJG33117580	¥es

				ONIB	Approval		
A	MENDMENT O	F SOLICITATION/		1. CONTRACT ID CODE		PAGE OF	
		OF CONTRACT				1	9
2. AMENOMENT/MODIF Mod 1		3. EFFECTIVE DATE See Block 16C	4. REQU	DISITION/PURCHASE REQ. NO.		ECT NO. (# 6	аррисавіе)
6. ISSUED BY	CODE	BG	7. ADMI	NISTERED BY (If other than Item 6)	CODE	BG	
NASA Lyndon B. 2101 NASA Parky Attn: BG/Learon J Houston, TX 7705	vay I. Comeaux		2101 I Attn: E	Lyndon B. Johnson Spac NASA Parkway 3G/Sophia Mo on, TX 77058	e Center		
8. NAME AND ADDRES Lockheed Martin Attn: Dan Wegne 2625 Bay Area Bl Houston, TX 770	Engineering Se er vd	(No., street, county, State, and ZIP Convices	ode)				
			LEACULT	Y CODE			
CODE		1110		TED (SEE ITEM 11)			
9A. AMENDME	NT OF SOLICITATIO	N NO.	9B. DA	TED (SEE TIEM IT)			
	ATION OF CONTRAC	T/ORDER NO.	1.	ATED (SEE ITEM 13)			
X NNJ10GA3			12/10				
	11.	THIS ITEM ONLY APPLIES TO	AMENDM	ENTS OF SOLICITATIONS			
Offers must acknowledge (a) By completing items i submitted; or (c) By sepa BE RECEIVED AT THE YOUR OFFER. If by virid	e receipt of this ameno 8 and 15, and arate letter or telegram PLACE DESIGNATED ue of this amendment	which includes a reference to the soli FOR THE RECEIPT OF OFFERS PI you desire to change an offer already I this amendment, and is received prio	led in the s By acknow citation and RIOR TO To submitted, or to the ope	olicitation or as amended, by one of viedging receipt of this amendment of amendment numbers. FAILURE O HE HOUR AND DATE SPECIFIED M such change may be made by teleg	n each copy o F YOUR ACKI MAY RESULT	f the offor NOWLEDGE	ON OF
12. ACCOUNTING AND	APPROPRIATION D	ATA (If required) Increase \$1,79	99,464				
	13.	THIS ITEM APPLIES ONLY TO MOD T MODIFIES THE CONTRACT/ORDE	R NO. AS	IS OF CONTRACTS/ORDERS, DESCRIBED IN ITEM 14.(x)			
CONTRACT O	RDER NO. IN ITEM 1						
B. THE ABOV appropriation d	E NUMBERED CONT ate, etc.) SET FORTH	ADMINISTRATIVE CHANGES (suc OF FAR 43.103(b).	h as changes	in paying off	ice,		
C. THIS SUPP	PLEMENTAL AGREEN	MENT IS ENTERED INTO PURSUAN	TTO AUTH	ORITY OF:			
A. OTHER (Sp X Contract C	ecify type of modificat lauses I.1; 52.2	ion and authority) 143-2 Changes – Cost Reir	nbursen	nent (AUG 1987) Alternat	e II (APR	1984)	
E. IMPORTANT: Contr	ractor is not,	X is required to sign this docum	ient and re	turn 1 copies to th	e issuing office	».	
14. description of amen	dment/modification (O	rganized by UCF section headings, in	cluding soli	citation/contract subject matter when	e feasible.)		

See continuation pages for more details.

15A. NAME AND TITLE OF SIGNER (Type or print) Dan Wegner, Contracts Administrator		16A. NAME AND TITLE OF CONTRACTING OFFICER (Learon J. Comeaux Contracting Officer	Type or print)
15B. CONTRACTORIOFFEROR (Signature of Respin authorized to sign)	16C. DATE SIGNED 9.30.2014	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30-1 JSC MS Wo	100	Prescribed by GSA FAR (48 CFR) 53.243

- The purpose of this Supplemental Agreement is to incorporate the cost and fee amounts for Space Station Change Notice (SSCN) 14002. The contractor shall be authorized to perform all activities required to provide NASA technical concurrence and approval for the Cargo Mission Contract (CMC) to design and build a next generation Food Warmer that will integrate into the new Galley rack and accommodate the needs of 7 crewmembers.
- 2) Clause B.2, Total Contract Value is hereby revised to reflect the increase from \$105,159,908 by \$483,925 to \$105,643, 833 in current cumulative contract value and an increase from \$184,920,833 by \$1,799,464 to \$186,720,297 in total contract value. As a result of this change, replacement pages B-1, B-2, and B-3 are hereby attached.
- 3) Clause B 3 NES 1852 216-85 Estimated Cost and Award Fee is hereby revised to reflect the increase from 110 and the award fee increased from \$ 0 As a result of this change, replacement page B-3 is attached.
- 4) Clause B.7 Award Fee is hereby revised to reflect the increase of the Option 1 fee total from the increase of the Option 2 fee total from the increase of the Option 3 fee total from by \$ and the increase of the Option 3 fee total from by \$ As a result of this change, replacement pages B-5 and B-6 are attached.
- 5) Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.8 Design and Build a Next Generation Food Warmer

- 6) Section C, Statement of Work, is hereby revised to add 6.8 as follows:
 - 6.8 Design and Build a Next Generation Food Warmer (SSCN 14002 Mod 106)

The contractor shall deliver (via DD1149) the following hardware: a)Quantity one (1) food warmer engineering unit for crew training by 9/23/2016. b)Quantity one (1) food warmer GSE power cable for crew training by 9/23/2016. c)Quantity one (1) food warmer for testing by 6/14/2016.

7) Section J, Attachment J-9, Hardware List is hereby revised to add the following item:

ltem Number	Description	Drawing/Part Number	Sustain
444	ISS Food Warmer	TBD	Yes

8) Section J, Attachment J-16, Deliverable Items List, is hereby revised to add the following items:

No	Change Number	Part Number	Serial Number	LM ID No*	Nomenclature	Qty	Unit	DD250 Date
82	014002	TBD	TBD	CMC0451	ISS Food Warmer	2	Each	9/23/2016
83	014002	TBD	TBD	CMC0452	ISS Food Warmer Power Cable	2	Each	9/23/2016
84	014002	TBD	TBD	CMC0453	ISS Food Warmer Heater Plate	3	Each	9/23/2016
85	014002	TBD	TBD	CMC0454	ISS Food Warmer Control Panel	2	Each	9/23/2016
86	014002	TBD	TBD	CMC0455	ISS Food Warmer Circuit Board	2	Each	9/23/2016
87	014002	TBD	TBD	CMC0456	ISS Food Warmer Foam Insulation Panel	6	Each	9/23/2016
88	014002	TBD	TBD	CMC0457	ISS Food Warmer Food Restraint	18	Each	9/23/2016

9) Section J, Attachment J-18, Government Furnished Data, is hereby revised to add the following items:

NASA RESP	RESP Team	LM RESP	Unique ID	Nomenclature	FLT No.	Need Date
Hoai Ngo	EV	Coke Keppler		Food Warmer Electromagnetic Interference (EMI) test report (SSCN 014002)	NFS	7/22/2016 ¹
Jeff Loechel	ES	Coke Keppler		Food Warmer Vibration test report (SSCN 014002)	NFS	7/22/20161
Larry Dietrich	EP	Coke Keppler		Food Warmer Power quality test report (SSCN 014002)	NFS	7/22/2016 ¹

¹Assumes the CMC hardware is provided by and NASA facilities are available to test by 6/14/2016 (facility availability not committed by NASA) and NASA is allowed 30 days to complete testing and compile a report.

10) This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete and equitable adjustments for the changes identified in the signed change directive 14002 "Design and build a next generation Food Warmer that will integrate into the new Galley rack and accommodate the needs of 7 crewmembers," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

PART I - THE SCHEDULE

SECTION B - SUPPLIES OR SERVICES AND PRICE/COSTS

B.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

1. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE
None included		
by reference		

II. NASA FAR SUPPLEMENT (48 CFR CHAPTER 18) PROVISIONS

CLAUSE NUMBER	DATE	TITLE
None included		
by reference		

B.2 TOTAL CONTRACT VALUE

The current cumulative contract value is <u>\$105,643,833</u> (including the Firm Fixed-Price (FFP) Phase-In, all Task Orders issued to date, all Underlimit Pools through Contract Year 4, and Option 1).

Task Order (TO) No. 001 was issued on July 12, 2011 that consisted a total price of 3,174,829 (b) (4) in cost and (b) (4) in fee). Task Order No. 001, Revision 01 was issued on June 8, 2012 with a total increase in price of 410,094(b) (4) in cost and (b) (4) in fee). The total revised price for TO 001 is 3,584,923 (b) (4) in cost and (b) (4) in fee).

TO No. 002 was issued on June 28, 2013 for a total price of \$2,051,327(b) (4) in cost and (b) (4) in fee). TO No. 002 Revision 01 was issued on November 18, 2013 with a total increase in price of \$188,014 (b) (4) cost and (b) (4) fee). The total revised price for TO 002 is \$2,239,341 (b) (4) cost and \$(b) (4) fee).

TO No. 003 was issued on August 28, 2013 for a total price of 964,488 (b) (4) in cost and (b) (4) in fee).

The minimum amount of IDIQ supplies and services ordered in total and paid for under this contract shall be \$15,000.

The maximum not-to-exceed (NTE) value of IDIQ supplies and services ordered in total under this contract is <u>\$20 Million</u>, which includes incidental materials and travel. The maximum NTE amount does not reflect an obligation of the Government. The Government's obligation hereunder shall be based on that specified in the task/delivery orders issued during the period of the contract.

Basic Period of Performance Table

	Maximum Contract Value
Phase-In (ref Clause B.5)	(b) (1)
CPAF (ref Clause B.3)	
Remaining IDIQ (NTE)	
TOTAL	

Option 1 Table

	Maximum Contract Value
CPAF (ref Clause B.3)	(b) (1)
Remaining IDIQ (NTE)	
TOTAL	

Option 2 Table

-	Maximum Contract Value
CPAF (ref Clause B.3)	(b)(4)
Remaining IDIQ (NTE)	
TOTAL	

Option 3 Table

-	Maximum Contract Value
CPAF (ref Clause B.3)	(b)(1)
Remaining IDIQ (NTE)	
TOTAL	

Option 4 Table

	Maximum Contract Value
CPAF (ref Clause B.3)	(b)(1)
Remaining IDIQ (NTE)	
TOTAL	

Total Table

	Maximum Contract Value
FFP	(b) (4)

CPAF (ref Clause B.3)	(b) (4)
Remaining IDIQ (NTE)	
TOTAL	\$186,720,297

(End of clause)

B.3 NFS 1852.216-85 ESTIMATED COST AND AWARD FEE (SEP 1993)

The estimated cost of this contract is (b)(4) The maximum available award fee, excluding base fee, if any, is (b)(4) Total estimated cost, base fee, and maximum award fee is (171,292,257).

(End of clause)

B.4 NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is (b) (4). This allotment is for cargo mission services and covers the following estimated period of performance: January 1, 2011 through January 17, 2015.
- (b) An additional amount of (b) (4) is obligated under this contract for payment of fee.

(End of clause)

B.5 FUNDING FOR FIXED-PRICE ITEMS PHASE-IN

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

The FP amount obligated and available for FP Milestone Payment for Phase-In is (b) (4)

The TOTAL FP amount obligated and available is (D)

(End of clause)

B.6 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) ORDERS

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide

engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and modifications. The tasks may be dynamic in nature and may be performed in a teaming arrangement with the Government or other contractors.

IDIQ work will be ordered by the Government on a cost-reimbursement basis. The Government will issue a cost-reimbursement task order authorizing the contractor to perform all effort, or, alternatively, to define the overall requirements, performance standards, and specifications associated with the work. The Government will utilize the defined requirements, performance standards, and specifications delivered by the contractor to request a proposal for completion of the work. The negotiated proposal will form the basis for the Government to issue a cost reimbursement task order for this work. The contractor shall accept only task orders issued by the Contracting Officer. The total value of task orders issued under this clause shall not exceed \$20,000,000 during the contract period of performance. Any work which falls under SOW 5.0 and would otherwise be ordered under the IDIQ provisions of this

contract, but which is valued at less than \$700,000, will be processed as an underlimit change pursuant to Clause H.16, Special Clause for Contract Changes and IDIQ Task Orders, in lieu of the task ordering procedures of this contract; these SOW 5.0 underlimit changes are excluded from the value of task orders issued, and are not subject to the IDIQ maximum value.

RATE TABLE FOR PRICING TASK ORDERS

The following labor and indirect rates shall be used in the establishment of the estimated cost of individual task orders. The labor rates are fully burdened composite team rates (prime and all subcontractors); but exclude prime fee. Fee will be negotiated as it is applied to each actual Task Order and will be paid based on the negotiated arrangement. Any negotiated fee will not exceed the max fee proposed by the contractor in the table below. The indirect rates are those that may be applied to non-labor resources costs, such as materials, travel and other. These indirect rates and the basis of application must be identified at the bottom of the table.

The parties agree that the fully burdened labor rates established below shall not be subject to any adjustment (upwards or downwards), regardless of actual rates incurred during contract performance.

IDIQ Rate per Hour Table (All labor rates are fully burdened exclusive of fee)

SECTION B NNJ10GA35C Modification 106 CARGO MISSION CONTRACT CY5 CY6 CY7 CY4 CY3 SLC CY1 CY2 Program Manager Manager Supervisor Technical Professional III Technical Professional II Technical Professional Technician III Technician II Technician I Drafter II Drafter I IT Professional Analyst II Analyst I Secretary Clerk Business Specialist Other Procurement Burden (Basis: Subcontractor/Material Cost) G&A (Basis: Value Added Cost) G&A Cost of Money (Basis: Value Added Cost) Maximum Award Fee

*Propose additional Labor Categories that cannot be logically mapped into any of the Standard Labor Categories above. Provide a job description and qualifying education and experience for all additional labor categories.

**Rates to be applied to non-labor costs (i.e. material, travel). Identify the rates and basis of application.

(End of clause)

B.7 <u>AWARD FEE</u>

The amount of fee earned by the contractor shall be determined in accordance with Attachment J-5, Award Fee Evaluation Plan.

The amount of available and earned fee, by evaluation period, is provided in Table B-5 below:

Basic	Evaluation Periods	Available Fee	Earned Fee	Score	Rating	AF Payment Mod
1	04/01/11 - 09/30/11			96	Excellent	Mod 20
2	10/01/11 – 3/31/12		(4)	96	Excellent	Mod 35
3	04/01/12 - 09/30/12			97	Excellent	Mod 53

NNJ10GA35C Modification 106

CARGO MISSION CONTRACT

4	10/01/12 -	(b)	(4)	(b)	(4)	97	Excellent	Mod 67
	3/31/13					98	Excellent	Mod 86
5	04/01/13 -					98	Excellent	IVIOU OU
	09/30/13				-	07	Englight	Mod 101
6	10/01/13 -					97	Excellent	Mod 101
	03/31/14							
	TOTAL							
Option	Evaluation							
1	Periods							
7	04/01/14 -			\$	-			
	09/30/14							
8	10/01/14 -			\$	-			
	03/31/15							
Option	Evaluation							
2	Periods							
9	04/01/15 -			\$	-			
	09/30/15							
10	10/01/15 -			\$	-			
	03/31/16							
Option	Evaluation							
3	Periods							
11	04/01/16 -			\$	-			
	09/30/16							
12	10/01/16 -			\$	-			
	03/31/17							
Option	Evaluation							
4	Periods							
13	04/01/17 -			\$	-			
	09/30/17							
14	10/01/17 -			\$	-			
	03/31/18							

(End of clause)

		SOLICITATION/ OF CONTRACT	1. CONTRACT ID CODEPAGE OF PAGES12
2. AME	NDMENT/MODIFICATION NO. 107	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 5. PROJECT NO. (If applicable) 4200520800
6. ISSI	JED BY CODE		7. ADMINISTERED BY (If other than Item 6) CODE
2101 Attn:	A Lyndon B. Johnson Space NASA Parkway BG/Learon Comeaux ton, TX 77058	Center	NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Attn: BG/Sophia Mo Houston, TX 77058
Lockl Attn: 2625	ne and address of contractor need Martin Integrated Syste Dan Wegner Bay Area Blvd ton, TX 77058		ode)
CODE			FACILITY CODE
	9A. AMENDMENT OF SOLICITATION	I NO.	9B. DATED (SEE ITEM 11)
х	10A. MODIFICATION OF CONTRACT NNJ10GA35C	ORDER NO.	10B. DATED (SEE ITEM 13) 12/10/10
	11.	THIS ITEM ONLY APPLIES TO A	MENDMENTS OF SOLICITATIONS
Offers r (a) By c submitt BE REC YOUR	ompleting Items 8 and 15, and ed; or (c) By separate letter or telegram v CEIVED AT THE PLACE DESIGNATED	nent prior to the hour and date specific Copies of the amendment; (b) which includes a reference to the solic FOR THE RECEIPT OF OFFERS PR rou desire to change an offer already s	ed in the solicitation or as amended, by one of the following methods: By acknowledging receipt of this amendment on each copy of the offor itation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO IOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF submitted, such change may be made by telegram or letter, provided each telegram
12. AC	COUNTING AND APPROPRIATION DA	TA (If required) Increase funding	by \$1 032 000 00
		THIS ITEM APPLIES ONLY TO MOD	FICATIONS OF CONTRACTS/ORDERS, R NO. AS DESCRIBED IN ITEM 14.(x)
	A. THIS CHANGE ORDER IS ISSUED CONTRACT ORDER NO. IN ITEM 10/		THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE
	B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FORTH I	ACT/ORDER IS MODIFIED TO REFL N ITEM 14, PURSUANT TO THE AU	ECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, THORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEM	ENT IS ENTERED INTO PURSUANT	TO AUTHORITY OF:
х	d. OTHER (Specify type of modification Contract Clauses I.1; 52.23	n and authority) 32-22 Limitation of Funds (.	APR 1984)
E. IMP	ORTANT: Contractor X is not,	is required to sign this docume	ent and return copies to the issuing office.
14 400		ranized by LICE section beadings inc	uding solicitation/contract subject matter where feasible)

UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to obligate incremental funding in accordance with Section B.4 NFS Contract Funding. This change increases the amount of funding by \$1,032,000.00 from \$89,075,368.74 to \$90,107,368.74.

See continuation pages for more details.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER Learon J. Comeaux, Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED
(Signature of person authorized to sign) NSN 7540-01-152-8070	30		D FORM 30 (Rev. 10-83)
PREVIOUS EDITION UNUSABLE		(ord (Aug 95)	Prescribed by GSA FAR (48 CFR) 53.243

B.4 NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is
 (b) (4) This allotment is for cargo mission services and covers the following estimated period of performance: January 1, 2011 through <u>September 23, 2014</u>.
- (b) An additional amount of (0) (4) s obligated under this contract for payment of fee.

(End of clause)

B.5 FUNDING FOR FIXED-PRICE ITEMS PHASE-IN

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

The EP amount obligated and available for FP Milestone Payment for Phase-In is



The TOTAL FP amount obligated and available is



(End of clause)

B.6 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) ORDERS

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and modifications. The tasks may be dynamic in nature and may be performed in a teaming arrangement with the Government or other contractors.

IDIQ work will be ordered by the Government on a cost-reimbursement basis. The Government will issue a cost-reimbursement task order authorizing the contractor to perform all effort, or, alternatively, to define the overall requirements, performance standards, and specifications associated with the work. The Government will utilize the defined requirements, performance standards, and specifications delivered by the contractor to request a proposal for completion of the work. The negotiated proposal will form the basis for the Government to issue a cost reimbursement task order for this work.

	AMENDMENT OF MODIFICATION			1. CONTRACT I	CODE		PAGE OF PAGES
2. AMB	NDMENT/MODIFICATION NO. 108	3. EFFECTIVE DATE See Block 16C	4. REQU	ISITION/PURCHAS		5. PROJE	CT NO. (If applicable)
6. ISSI	JED BY CODE		7. ADMI	NISTERED BY (If of	her than Item 6)	CODE	a a a a a a a a a a a a a a a a a a a
2101 Attn:	A Lyndon B. Johnson Space NASA Parkway BG/Learon Comeaux ton, TX 77058	Center	2101 N Attn: B	Lyndon B. Jol IASA Parkway G/Sophia Mo on, TX 77058		Center	
8. NAN	IE AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP Co	ode)				
Attn: 2625	need Martin Integrated Syste Dan Wegner Bay Area Blvd ton, TX 77058	ems, Inc.		4			
CODE			FACILITY	CODE			
	9A. AMENDMENT OF SOLICITATION	I NO.	98. DAT	ed <i>(See TEM 11)</i>			
x	10A. MODIFICATION OF CONTRACT	WRDER NO.	10B. DA 12/10/	TED (SEE ITEM 13) 10			
	11.	THIS ITEM ONLY APPLIES TO A		ENTS OF SOLICI	TATIONS		
(a) By (submitt BE REC YOUR or lette	he above numbered solicitation is amono must acknowledge receipt of this amond completing items 8 and 15, and ed; or (c) By separate letter or telegram CEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amondment r makes reference to the solicitation and	Copies of the amendment; (b) which includes a reference to the solid FOR THE RECEIPT OF OFFERS PR you desire to change an offer already this amendment, and is received prior	ed in the so By acknowi Sitation and IOR TO TH submitted, s	licitation or as amer ledging receipt of thi amendment number IE HOUR AND DAT such change may be	ided, by one of the s amendment on s. FAILURE OF E SPECIFIED MA a made by telegram	each copy of YOUR ACKN Y RESULT II	the offor OWLEDGEMENT TO N REJECTION OF
12. AC	COUNTING AND APPROPRIATION DA	TA (If required) Decrease fundin	na hy \$3f	058.11			ί.
		THIS ITEM APPLIES ONLY TO MOD MODIFIES THE CONTRACT/ORDE	FICATION	S OF CONTRACTS	ORDERS, 114.(x)		
	A. THIS CHANGE ORDER IS ISSUE CONTRACT ORDER NO. IN ITEM 10	D PURSUANT TO: (Specify authority				MADE IN TH	E
	B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FORTH				HANGES (such a	as changes in	paying office,
	C. THIS SUPPLEMENTAL AGREEM	ENT IS ENTERED INTO PURSUANT	TO AUTHO	DRITY OF:			
x	d. OTHER (Specify type of modification Contract Clauses I.1; 52.23	on and authority) 32-22 Limitation of Funds (APR 19	84)			
E. IMP	ORTANT: Contractor is not,	X is required to sign this docum	ent and retu	ırn <u>1</u>	_ coples to the is	suing office.	
14. de	scription of amendment/modification (On	ganized by UCF section headings, inc	luding solic	itation/contract subje	oct matter where f	easible.)	

The purpose of this modification is to deobligate incremental funding in accordance with Section B.4 NFS Contract Funding. This change decreases the amount of funding by \$36,058.11 from \$90,107,368.74 to 90,071,310.63.

See continuation pages for more details.

15A. NAME AND TITLE OF SIGNER (Type or print)	TIATUR · STAFF	16A. NAME AND TITLE OF CONTRACTING OFFI	
15B. CONTRACTOR/OFFEROR (Signature of percent authorized to sign)	15C. DATE SIGNED 1.31.2014	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	- 16C. DATE SIGNED
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30- JSC MS Wo		IDARD FORM 30 (Řev. 10-63) Prescribed by GSA FAR (46 CFR) 53.243

B.4 NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of total amount allotted by the Government to this contract is This allotment is for cargo mission services and covers the following estimated period of performance: January 1, 2011 through September 4, 2014.

(b) An additional amount composition of building the buil

(End of clause)

B.5 FUNDING FOR FIXED-PRICE ITEMS PHASE-IN

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

The EP amount obligated and available for FP Milestone Payment for Phase-In is

The TOTAL FP amount obligated and available is



(End of clause)

B.6 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) ORDERS

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and modifications. The tasks may be dynamic in nature and may be performed in a teaming arrangement with the Government or other contractors.

IDIQ work will be ordered by the Government on a cost-reimbursement basis. The Government will issue a cost-reimbursement task order authorizing the contractor to perform all effort, or, alternatively, to define the overall requirements, performance standards, and specifications associated with the work. The Government will utilize the defined requirements, performance standards, and specifications delivered by the contractor to request a proposal for completion of the work. The negotiated proposal will form the basis for the Government to issue a cost reimbursement task order for this work.

	AMENDMENT OF MODIFICATION	SOLICITATION/ OF CONTRACT	1. CONTRACT ID CODE		PAGE OF PAGES
2. AME	NDMENT/MODIFICATION NO. 109	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 4200523889	5. PROJE	CT NO. (If applicable)
6. ISSU	ED BY CODE		7. ADMINISTERED BY (If other than Item 6)	CODE	
2101 Attn:	Lyndon B. Johnson Space NASA Parkway BG/Learon Comeaux con, TX 77058	Center	NASA Lyndon B. Johnson Space 2101 NASA Parkway Attn: BG/Sophia Mo Houston, TX 77058	Center	
8. NAM	E AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP Co	ode)		
Attn: 2625	need Martin Integrated Syste Dan Wegner Bay Area Blvd ton, TX 77058	ems, Inc.			
CODE			FACILITY CODE		
	9A. AMENDMENT OF SOLICITATION	NO.	9B. DATED (SEE ITEM 11)		
х	10A. MODIFICATION OF CONTRACT	I/ORDER NO.	10B. DATED (SEE ITEM 13) 12/10/10		
			MENDMENTS OF SOLICITATIONS		
(a) By c submitte BE REC YOUR (or letter	ompleting Items 8 and 15, and ed; or (c) By separate letter or telegram EIVED AT THE PLACE DESIGNATED DFFER. If by virtue of this amendment makes reference to the solicitation and	Copies of the amendment; (b) which includes a reference to the solid FOR THE RECEIPT OF OFFERS PR you desire to change an offer already this amendment, and is received prior	ed in the solicitation or as amended, by one of the By acknowledging receipt of this amendment on citation and amendment numbers. FAILURE OF NOR TO THE HOUR AND DATE SPECIFIED MA submitted, such change may be made by telegrar	each copy of YOUR ACKN Y RESULT II	the offor OWLEDGEMENT TO N REJECTION OF
12. AC	COUNTING AND APPROPRIATION DA	ATA (If required) Increase funding	by \$6,388,000.00		
u, <u></u>	13. I	THIS ITEM APPLIES ONLY TO MOD	IFICATIONS OF CONTRACTS/ORDERS, R NO. AS DESCRIBED IN ITEM 14.(x)		
	CONTRACT ORDER NO. IN ITEM 10	A) THE CHANGES SET FORTH IN ITEM 14 ARE		
	B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FORTH	RACT/ORDER IS MODIFIED TO REFI IN ITEM 14, PURSUANT TO THE AU	LECT THE ADMINISTRATIVE CHANGES (such a THORITY OF FAR 43.103(b).	as changes ir	i paying office,
	C. THIS SUPPLEMENTAL AGREEM	ENT IS ENTERED INTO PURSUANT	TO AUTHORITY OF:		
x	d. OTHER (Specify type of modification Contract Clauses I.1; 52.23	on and authority) 32-22 Limitation of Funds (APR 1984)		
E. IMP	ORTANT: Contractor X is not,	is required to sign this docume	ent and return copies to the is	ssuing office.	
14. des	scription of amendment/modification (Or	ganized by UCF section headings, inc	luding solicitation/contract subject matter where fo	easible.)	

The purpose of this modification is to obligate incremental funding in accordance with Section B.4 NFS Contract Funding. This change increases the amount of funding by \$6,388,000.00 from \$90,071,310.63 to \$96,459,310.63.

See continuation pages for more details.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER Learon J. Comeaux, Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	1010 1
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		105 STANDAR ord (Aug 95)	D FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

B.4 NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Exclusive the total amount allotted by the Government to this contract is This allotment is for cargo mission services and covers the following estimated period of performance: January 1, 2011 through <u>January 17, 2015</u>.

(b) An additional amount fee.

bligated under this contract for payment of

(End of clause)

B.5 FUNDING FOR FIXED-PRICE ITEMS PHASE-IN

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

The FP amount obligated and available for FP Milestone Payment for Phase-In is

The TOTAL FP amount obligated and available is

(End of clause)

B.6 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) ORDERS

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and modifications. The tasks may be dynamic in nature and may be performed in a teaming arrangement with the Government or other contractors.

IDIQ work will be ordered by the Government on a cost-reimbursement basis. The Government will issue a cost-reimbursement task order authorizing the contractor to perform all effort, or, alternatively, to define the overall requirements, performance standards, and specifications associated with the work. The Government will utilize the defined requirements, performance standards, and specifications delivered by the contractor to request a proposal for completion of the work. The negotiated proposal will form the basis for the Government to issue a cost reimbursement task order for this work.

	AMENDMENT OF MODIFICATION			1. CONTRACT ID CODE		PAGE OF PAGES
2. AME	NDMENT/MODIFICATION NO. CCO 110	3. EFFECTIVE DATE See Block 16C	4. REQU	ISITION/PURCHASE REQ. NO. N/A	5. PROJE	CT NO. (If applicable)
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SSC	14141, entitled "Certify lod	ne Compatible Water Cor	ntainer (I	CWC) to launch filled on C)ygnus an	d Dragon."
Except e	s provided herein, all terms and conditions of th	e document referenced in Item 9A or 10A.	as heretofore	changed, remains unchanged and in full for	ce and effect.	
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CCO Mod 110 authorizes Lockheed Martin Engineering Services to perform the following tasks in support of critical International Space Station (ISS) Program requirements approved in Change Directive (CD) 14141. The estimated Period of Performance for these tasks is from the date specified in block 16C on page 1 of this modification (Authorization to Proceed) through 2/3/15:

- 1) Develop and provide a proposal for the full scope within 3 months of the CD approval date.
- 2) Develop a three-bag Flight Support Equipment (FSE) concept by 9/8/14 to support launch on Orb-4.
- 3) Certify the three-bag configuration for flight by 2/3/15.
- 4) Procure materials required for building FSE for launching 125 ICWCs.
- 5) Build and deliver 8 FSE units by 2/3/15 (See Deliverable Items List)
- 6) Develop an Interface Requirements Document between the ICWC and the Commercial Orbital Transportation Services (COTS) vehicles (Cygnus and Dragon).
- 7) Develop facility and process for filling ICWCs with iodinated water, including a wet run to demonstrate process.
- 8) Out brief Space Station Program Control Board (SSPCB) on testing results to determine FSE configuration quantities.

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	on J. Comeaux		Attn: BG/Sophia Mo	
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- 1. The purpose of this modification is to make administrative changes to the contract. This modification constitutes a full and complete equitable adjustment for the parties for the changes identified in paragraph 2 below.
- 2. Section A, Table of Contents, Section G Contract Administration Data, G.3 Submission of Vouchers for Payment (NFS 1852.216-87), is deleted in its entirety and replaced with the following:

G.3 SUBMISSION OF VOUCHER FOR PAYMENT

3. Section G, <u>Contract Administration Data</u>, G.3 NFS 1852.216-87 Submission of Vouchers for Payment (MAR 1998) is delete in its entirety and replace with the following:

JSC Procurement Instruction 52.216-92 SUBMISSION OF VOUCHER FOR PAYMENT (MAY 2014)

- (a) Except for classified vouchers, the Contractor shall submit interim and final cost vouchers electronically using the Department of Defense (DoD) Wide Area Work Flow (WAWF) system. Vouchers will be reviewed by the Defense Contract Audit Agency based upon a risk-based review process.
 - (1) To access the DoD WAWF system, the Contractor shall be required to have a designated electronic business point of contact in the System for Award Management at https://www.acquisition.gov and be registered to use the DoD WAWF at https://wawf.eb.mil following the step-by-step procedures for self-registration available at this web site.
 - (2) NASA voucher payment information can be obtained at the NASA Shared Services Center (NSSC) Vendor Payment information web site at: https://www.nssc.nasa.gov/vendorpayment For technical WAWF help, contact the WAWF helpdesk at 1-866-618-5988. For additional guestions, contact the NSSC Customer Contact Center at 1-877-677-2123.
 - (3) The Contractor shall ensure that the payment request includes appropriate contract line item descriptions of the work performed or supplies delivered, unit price/cost per unit, fee (if applicable), and all required back-up documentation to support each payment request.
- (b) Vouchers for payment of fee resulting from contract performance or provisional fee (if authorized under this contract) shall be prepared using a Standard Form (SF) 1034 and submitted electronically to the following address for payment:

E-mail address: NSSC-AccountsPayable@nasa.gov

Mailing address: NSSC - FMD Accounts Payable Bldg. 1111, C Road Stennis Space Center, MS 39529 Fax Number: 1-866-209-5415

- (c) For both cost and fee voucher submissions, a concurrent copy of the voucher shall be provided electronically to the NASA Contracting Officer outside of WAWF. The Contracting Officer may designate other recipients as required.
- (d) The NSSC is the designated billing office for cost and fee vouchers for purpose of the Prompt Payment clause of this contract.
- (e) In the event that amounts are withheld from payment in accordance with terms of this contract, a separate voucher for the amount withheld will be required before payment for that amount may be made.

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Dan Wegner, Contracts Administrator		Learon J. Comeaux, Contracting Officer	
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A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	Cost
112		Certification and procurement of Commercial-Off-the- Shelf (COTS) Removable Pockets and Kneeboards for the crew	

B. Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.11 Certify COTS Kneeboard assembly and removable pockets (SSCN 014143)

C. Section C, Statement of Work, is hereby updated to add the following:

6.11 Certify COTS kneeboard assembly and removable pockets (SSCN 014143)

The contractor shall deliver (via DD1149) the following hardware for training:

- a) Quantity two (2) Class III Kneeboards by November 28, 2014.
- b) Quantity two (2) Class III Removable Pockets by January 30, 2015.

The contractor shall deliver (via DD1149) the following hardware:

- a) Quantity 49 Class I Kneeboards by November 28, 2014.
- b) Quantity 99 Class I Removable Pockets by January 30, 2015.

D. Section J, Attachment J-9, Hardware List, is hereby updated to include the following:

TABLE 1.1-F Flight Crew Systems (FCS)

ltem Number	Description	Drawing/Part Number	Sustain
442	Kneeboard assembly	PA-155	Yes
443	Removable Pockets	TBD	Yes

E. Section J, Attachment J-16, Deliverable Item List, is hereby updated to include the following:

No	Change Number	Part Number	Serial Number	LM ID No*	Nomenclature	Qty	Unit	DD250 Date
80	14143	PA-155	TBD	CMC0474	Kneeboard Assembly	1	Each	11/28/2014
81	14143	TBD	TBD	CMC0475	Removable Pocket	1	Each	1/30/2015

F. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification, it agreed to herein as complete equitable adjustments for the changes identified in the sigend Change Directive 14143, "Certification and procurement of Commercial-Off-the-Shelf (COTS) Removable Pockets and Kneeboards for the crew." The Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these change.

		F SOLICITATION		1. CONTRACT ID CODE		PAGE OF PAGES
		N OF CONTRACT				1 2
2. AMEN	DMENT/MODIFICATION NO. Mod 113	3. EFFECTIVE DATE See Block 16C	4. REQUI	SITION/PURCHASE REQ. NO. N/A	5. PROJEC	CT NO. (If epplicable)
6. ISSUE	ED BY CODE	BG	7. ADMIN	STERED BY (If other than item 6)	CODE	BG
2101 Attn: E	Lyndon B. Johnson Space C NASA Parkway 3G/Learon J. Comeaux on, TX 77058	enter	2101 N Attn: B	Lyndon B. Johnson Spa ASA Parkway G/Sophia Mo n, TX 77058	ce Center	
8. NAME	AND ADDRESS OF CONTRACTOR (No.,	sireel, county, State, and ZIP Code)				
Attn: 2625	eed Martin Engineering Servic Dan Wegner Bay Area Bivd con, TX 77058	2005				
CODE			FACILITY	CODE		
	9A. AMENDMENT OF SOLICITATION NO		98. DATE	D (SEE ITEM 11)		
x	10A. MODIFICATION OF CONTRACT/OF NNJ10GA35C	DER NO.	109. DAT	ED (SEE ITEM 13) 10	·	
		11. THIS ITEM ONLY APPLIES TO		NTS OF SOLICITATIONS	<u> </u>	·
(a) By co submitted BE RECI YOUR O	usi acknowledge receipt of this amendment (ompleting items 8 and 15, and returning d; or (c) By separate letter or telegram which EIVED AT THE PLACE DESIGNATED FOR IFFER. If by virtue of this amendment you do	s sel forth in Item 14. The hour and data spec wher to the hour and data specified in the solic Copies of the amendment; (b) By a includes a reference to the solicitation and an THE RECEIPT OF OFFERS PRIOR TO THE selve to change an offer already submitted, suc	cified for recei ilation or as a cknowledging nendment nu HOUR AND I ch change ma	Ipt of Offers mended, by one of the following me greceipt of this amendment on each mbers. FAILURE OF YOUR ACKN DATE SPECIFIED MAY RESULT IN by be made by telegram or letter, pro	n copy of the offor OWLEDGEMENT TO N REJECTION OF	is not extended.
	makes reference to the solicitation and this a COUNTING AND APPROPRIATION DATA (mendment, and is received prior to the openin I required	g hour and di	ate specified.		
	1	13. THIS ITEM APPLIES ONLY TO MOD IT MODIFIES THE CONTRACT/ORDE	IFICATIONS R NO. AS DE	OF CONTRACTS/ORDERS, SCRIBED IN ITEM 14.(x)		
	A. THIS CHANGE ORDER IS ISSUED PL CONTRACT ORDER NO, IN ITEM 10A.	JRSUANT TO: (Specify authority) THE CHAN	IGES SET FO	ORTH IN ITEM 14 ARE MADE IN T	HE	
<u> </u>		NORDER IS MODIFIED TO REFLECT THE A			in paying office,	
x		IS ENTERED INTO PURSUANT TO AUTHO		IQ Task Orders		
	d. OTHER (Specify type of modification a	nd authority)				
E, IMPO	DRTANT: Contractor is not,	X is required to sign this document a	and return	1 copies t	to the leaving office.	
		ed by UCF section headings, including solicite				
т	The nurnees of this Sunn	Iomontal Aarooment is to	definiti	Iza Snace Station ('hange Notic	a (880M)

The purpose of this Supplemental Agreement is to definitize Space Station Change Notice (SSCN) 14175, "Purchase and Certify Modified Electrostatic Discharge (ESD) Wrist Straps and Modified Seat Track Studs for a New ESD Prevention Solution for ISS."

16A. NAME AND TITLE OF SIGNER (Type or print) Dan Wegner, Contracts Administrator		18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer		
16B. CONTRACTOROFFEROR (Signature of person authorized to sign)	16C. DATE SIGNED 4.19.2014	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	18C. DATE SIGNED	
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30- JSC MS Wo	105 STANI rd (Aug 95)	DARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	Cost
113		Purchase and Certify Modified Electrostatic Discharge (ESD) Wrist Straps and Modified Seat Track Studs for a New ESD Prevention Solution for ISS	

B. Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.9 Certify modified Electrostatic Discharge (ESD) wrist straps and modified seat track studs for a new ESD prevention solution for ISS (SSCN 014175)

C. Section C, Statement of Work, is hereby updated to add the following:

6.9 Certify modified Electrostatic Discharge (ESD) wrist straps and modified seat track studs for a new ESD prevention solution for ISS (SSCN 014175)

- The contractor shall certify the ESD kits using the streamlined certification process for Commercial-Off-the-Shelf hardware in SSP 50835, ISS Pressurized Volume Common Interface Requirements Document, Revision D, Appendix M.
- 2. The contractor shall deliver (via DD1149) three (3) Class III ESD Kits for crew training by 3/30/2015.
- D. Section J, Attachment J-9, Hardware List, is hereby updated to include the following:

TABLE 1.1-F Flight Crew Systems (FCS)

ltem Number	Description	Drawing/Part Number	Sustain
445	ESD Kit	твр	Yes

E. Section J, Attachment J-16, Deliverable Item List, is hereby updated to include the following:

No	Change Number	Part Number	Serial Number	LM ID No*	Nomenclature	Qty	Unit	DD250 Date
89	14175	TBD	TBD	CMC0472	ESD Kit	8	Each	3/30/2015

F. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 14175, "Purchase and Certify Modified Electrostatic Discharge (ESD) Wrist Straps and Modified Seat Track Studs for a New ESD Prevention Solution for ISS," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

	AMENDMENT OF			1. CONTRACT ID	and the second	Approve	PAGE OF P	
<u> </u>	MODIFICATION						1	2
2. AME	NDMENT/MODIFICATION NO. Mod 114	3. EFFECTIVE DATE See Block 16C	4. REQUIS	SITION/PURCHASE R	EQ. NO.	5. PROJEC	T NO. (If applic	able)
6. ISSL	JED BY CODE	BG	7. ADMINI	STERED BY (If other I	han llem 6)	CODE	BG	
2101 Attn:	A Lyndon B. Johnson Space Cer NASA Parkway BG/Learon J. Comeaux ton, TX 77058	nter	2101 N Attn: B	₋yndon B. John ASA Parkway G/Sophia Mo n, TX 77058	son Space Ce	nter	I	
Locki Attn: 2625 Hous	E AND ADDRESS OF CONTRACTOR (No., str need Martin Engineering Service Dan Wegner Bay Area Blvd ton, TX 77058							
CODE			FACILITY	CODE				
	9A. AMENDMENT OF SOLICITATION NO.		9B. DATE	D (SEE ITEM 11)				
х	10A. MODIFICATION OF CONTRACT/ORDE NNJ10GA35C	ER NO.	10B. DATE 12/10/1	D (SEE ITEM 13) 0				
		1. THIS ITEM ONLY APPLIES TO A	MENDMEN	TS OF SOLICITAT	IONS		·····	
(a) By co submitte BE REC YOUR C or letter	Te above numbered solicitation is amended as s ust acknowledge receipt of this amendment prio ompleting liems 8 and 15, and returning d; or (c) By separate letter or telegram which inc EIVED AT THE PLACE DESIGNATED FOR TH FFER. If by virtue of this amendment you desin makes reference to the solicitation and this amen COUNTING AND APPROPRIATION DATA (if rec	r to the hour and date specified in the solicit Copies of the amendment; (b) By ac ludes a reference to the solicitation and am E RECEIPT OF OFFERS PRIOR TO THE F a to change an offer already submitted, such adment, and is received prior to the opening	ation or as an knowledging endment num IOUR AND D n change may	nended, by one of the receipt of this amendm bers. FAILURE OF YO ATE SPECIFIED MAY be made by telegram	ollowing methods: ent on each copy of th DUR ACKNOWLEDGE RESULT IN REJECT	EMENT TO	Is not ex	tended.
	·····	13. THIS ITEM APPLIES ONLY TO MODI IT MODIFIES THE CONTRACT/ORDEF	NO. AS DES	CRIBED IN ITEM 14.	×)			
	A. THIS CHANGE ORDER IS ISSUED PURS CONTRACT ORDER NO. IN ITEM 10A.							
	B. THE ABOVE NUMBERED CONTRACT/O appropriation date, etc.) SET FORTH IN ITEM	RDER IS MODIFIED TO REFLECT THE AD	MINISTRATI FAR 43.103(VE CHANGES (such a b).	s changes in paying o	ffice,		
x	C. THIS SUPPLEMENTAL AGREEMENT IS Contract Clause H.16, Special	ENTERED INTO PURSUANT TO AUTHOR Clause for Contract Changes	ITY OF: and IDI	Q Task Orders				
	d. OTHER (Specify type of modification and a	uthority)						
E, IMPO	RTANT: Contractor Is not,	X Is required to sign this document an	d return	1	copies to the issuin	ig office,		
Т	ription of amendment/modification (Organized b he purpose of this Supple) 4250, ''Procure and Certify	mental Agreement is to	definitiz	e Space Sta	tion Change	Notice	(SSCN) ation (IS	

Operations & Utilization and Baseline the Associated Applicable Requirements Matrix for Commercialoff-the Shelf (COTS) Hardware Certification."

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
Dan Wegner, Contracts Administrator		Learon J. Comeaux, Contracting Officer			
15B. CONTRACTORIOFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED		
(Signature okperson authorized to sign)	9.19.2014	BY (Signature of Contracting Officer)	9/19/14		
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		-105 STAI ord (Aug 95)	NDARD FORM 30 (Rev/ 10-83) Presofibed by GSA FAR (48 CFR) 53.243		

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	Cost
114		Procure and Certify next generation mini-camera to support International Space Station (ISS) Operations & Utilization and Baseline the Associated Applicable Requirements Matrix for Commercial-off-the Shelf (COTS) Hardware Certification	

B. Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.10 Certification support and flight processing of the next generation mini-camera to support International Space Station (ISS) Operations & Utilization (SSCN 014250)

C. Section C, Statement of Work, is hereby updated to add the following:

6.10 Certification support and flight processing of the next generation mini-camera to support International Space Station (ISS) Operations & Utilization (SSCN 014250)

The contractor shall perform the following tasks:

- Develop and release engineering drawings (quantity 4) for the Mini-camera assembly, Alternating Current (AC) Adapter, Universal Serial Bus (USB) cable and High-Definition Multimedia Interface (HDMI) cable by 10/10/2014.
- Provide thermal analysis for touch temperature requirement verification by 10/10/2014.
- Provide touch labor for configuring flight hardware (Mini-camera assembly, AC adapter, USB cable and HDMI cable) which includes adding labels, adding Velcro, wrapping the cables for flammability, and updating firmware for changing default settings by 09/17/2014 for Orbital-3.
- Provide touch labor for configuring flight hardware (Mini-camera assembly, AC adapter, USB cable and HDMI cable) which includes adding labels, adding Velcro, wrapping the cables for flammability, and updating firmware for changing default settings by 10/10/2014 for future flights.
- Perform Pre-Installation Acceptance (PIA) functional test for hardware prior to flight delivery by 9/17/2014.
- D. Section J, Attachment J-9, Hardware List, is hereby updated to include the following:

TABLE 1.1-E Photo and TV

ltem Number	Description	Drawing/Part Number	Sustain
238	Mini-camera Assembly	SEG33124723	Sustaining shall begin on 03/02/15
239	Mini-camera AC Adapter	SEG33124724	Sustaining shall begin on 03/02/15
240	Mini-camera USB Cable	SEG33124725	Sustaining shall begin on 03/02/15
241	Mini-camera HDMI Cable	SEG33124726	Sustaining shall begin on 03/02/15

E. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 14250, "Procure and Certify next generation mini-camera to support International Space Station (ISS) Operations & Utilization and Baseline the Associated Applicable Requirements Matrix for Commercial-off-the Shelf (COTS) Hardware Certification," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

			OMB Approval No. 2700-0042
	AMENDMENT OF MODIFICATION		1. CONTRACT ID CODE PAGE OF PAGES 1 11
2. AME	NDMENT/MODIFICATION NO. Mod 115	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 5. PROJECT NO. (<i>If applicable</i>) N/A
6. ISSL	JED BY CODE	BG	7. ADMINISTERED BY (If other than Item 6) CODE BG
2101 Attn:	A Lyndon B. Johnson Space NASA Parkway BG/Learon J. Comeaux ton, TX 77058	Center	NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Attn: BG/Sophia Mo Houston, TX 77058
noua	lon, 1X 77030		
Locki Attn: 2625	TE AND ADDRESS OF CONTRACTOR (need Martin Engineering Serv Dan Wegner Bay Area Blvd ton, TX 77058		-
CODE			FACILITY CODE
	9A. AMENDMENT OF SOLICITATION	NO.	9B. DATED (SEE ITEM 11)
х	10A. MODIFICATION OF CONTRACTA	ORDER NO.	10B. DATED (SEE ITEM 13) 12/10/10
	11. T	HIS ITEM ONLY APPLIES TO A	AMENDMENTS OF SOLICITATIONS
Offers r	he above numbered solicitation is amende nust acknowledge receipt of this amendm	ed as set forth in Item 14. The hour a nent prior to the hour and date specifi	and date specified for receipt of Offers Is extended, Is not extended. ied in the solicitation or as amended, by one of the following methods:
submitt BE REC YOUR	CEIVED AT THE PLACE DESIGNATED F	hich includes a reference to the solic FOR THE RECEIPT OF OFFERS PR ou desire to change an offer already his amendment, and is received prior	By acknowledging receipt of this amendment on each copy of the offor bitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO RIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF submitted, such change may be made by telegram or letter, provided each telegram r to the opening hour and date specified.
		HIS ITEM APPLIES ONLY TO MOD	IFICATIONS OF CONTRACTS/ORDERS,
		PURSUANT TO: (Specify authority	R NO. AS DESCRIBED IN ITEM 14.(X)) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE
	B. THE ABOVE NUMBERED CONTRA appropriation date, etc.) SET FORTH II		LECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, ITHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEME	ENT IS ENTERED INTO PURSUANT	TO AUTHORITY OF:
x	d. OTHER (Specify type of modification MUTUAL AGREEMENT OF		
	CRTANT: Contractor is not,	X is required to sign this docum	
14. de	scription of amendment/modification (Org	anized by UCF section headings, inc	luding solicitation/contract subject matter where feasible.)
		(See Cont	inuation Page)
			×
15A. N	AME AND TITLE OF SIGNER (Type or p	print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Dan	Wegner, Contracts Administr	ator	Learon J. Comeaux, Contracting Officer
15B. C	CONTRACTOR/OEPEROR	15C. DATE SIGNED 9.30.2014	16B. UNITED STATES OF AMERICA 16C. DATE SIGNED
2	(Stanature of person authorized to sign)		(Signature of Contracting Officer) 7/30/19

STANDARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

- 1. The purpose of this Supplemental Agreement is to make changes to the contract. This modification constitutes a full and complete equitable adjustment for the parties for the changes identified in paragraphs 2 and 3 below.
- 2. Section J, Attachment J-16, Deliverable Items List, is revised to delete in its entirety and replace with Attachment J-16A and Attachment J-16B, Deliverable Items List (All changes are noted by underline).
- 3. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete and equitable adjustments for the changes identified in the signed Supplemental Agreement, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

NNJ106 Modifica	NNJ10GA35C Modification 115									SECTION J
				Table J C/	<u>J-16A. Deliverable Items List (DIL)</u> CARGO MISSION CONTRACT	ST (DIL)				אוממוו הייוס
ON	CHANGE NUMBER	PART NUMBER	SERIAL NUMBER	LM ID NO*	NOMENCLATURE	QTY	UNIT	DD250 DATE	ACTUAL DELIVERY DATE	REMARKS
~	12846	SJG33121409-603	1006	CMC0269	WPA PS PSIP01 Kit	.	Each	8/24/11	8/15/11	Ship-short delivery on 8/15/11 due to open verification data products. Final DD250 CMC0270 signed on 9/16/11
0 m	12396 12396	WCS1184-02 199C3102P2	N/A N/A	CMC0271-1 CMC0271-2	Urinal, Female Oblong	20	Each	9/30/11 9/30/11	<u>9/30/11</u> 0/30/11	
4	12964	SDG33121549-301	<u>1001, 1002, 1012, 1013, 1012, 1013, 1014, 1015, 1005,</u>	CMC0267	T61p Serial/Parallel Bay Adapters	2	Each	10/2011	10/24/11	A total of 7 units were delivered. 12964R1 changed Qty from 15 to 7.
S	12853	SEG33114648-301	<u>1010, 1011,</u> 1013	CMC0264	PS-120 Junction Box	e	Each	4/23/12	<u>4/16/12</u>	
9	12853	SEG33114648-301	<u>1012, 1014-</u> 1020	CMC0265	PS-120 Junction Box	œ	Each	7/31/12	7/20/12	
7	12853	SEG33114649-305	1039-1045	CMC0266	PS-120 Cable (10ft length)	7	Each	7/31/12	4/16/12	
ω	13125	SJG33121409-604	1007	CMC0291	ICU PSIP01 Kit	-	Each	5/11/12	5/4/12	
თ	13131	<u>SEG39126291-302</u>	4001-4003	CMC0299	Vacuum Cleaner Tool Pouch Assy	ო	Each	7/19/12	7/19/12	Delay caused by a dependency on an ECZ review milestone. 13131R1 revised DD250 date.
10	13131	SEG39126291-302	<u>1005</u>	NA	Vacuum Cleaner Tool Pouch Assy	۲.	Each	N/A		This is a modification to an existing unit, not a new delivery. Therefore, no DD250 is required.
	13210	SEG39138210-301	<u>1001</u>	CMC0273	Food Warmer – ISSFW	~	Each	1/31/13	<u>1/31/13</u>	13210R1 revised part number, description, and DD250 date, to incorporate the mod kit components from CR 13372.
12	13259	SEG33123985-301	<u>1001-1006</u>	CMC0279	Bose Microphone Cable	Q	Each	5/29/12	<u>5/29/12</u>	Met repartnered delivery date with OD due to delayed ATP. 13259R1 revised part number and DIL date.
13	13259	SEG33123986-301	<u>1001-1006</u>	CMC0280	Y Audio Adapter Cable	Q	Each	5/29/12	<u>5/29/12</u>	Met repartnered delivery date with OD due to delaved ATP. 13259R1 revised part number and DIL date.
14	13259	SEG33123985-301	<u>1007-1018</u>	<u>CMC0281</u>	Bose Microphone Cable	12	Each	6/12/12	<u>6/12/12</u>	<u>13259R1 revised part</u> number.
15	13259	SEG33123986-301	1007-1018	CMC0282	Y Audio Adapter Cable	12	Each	6/12/12	<u>6/12/12</u>	<u>13259R1 revised part</u> number.
16	13259	SEG33123985-301	<u>1019-1100</u>	<u>CMC0283</u>	Bose Microphone Cable	82	Each	6/30/12	<u>6/19/12</u>	<u>13259R1 revised part</u> number.
17	13259	SEG33123986-301	<u>1019-1050</u>	CMC0284	Y Audio Adapter Cable	32	Each	6/30/12	<u>6/19/12</u>	<u>13259R1 revised part</u> number.

NO CHANGE NUMBER PART NUMBER 18 13259 528-43040-1 19 13302 N/A 20 13302 N/A 20 13302 N/A 21 13302 N/A 21 13216 SEG33107631-303 22 13216 SEG33107631-303 23 13216 SEG33111394-303 23 13216 SEG3311394-303 23 13216 SEG3311394-303 24 13164 MC707LIA 25 13164 MC707LIA 26 13164 MC707LIA 27 13164 MC707LIA 28 13164 SEG33124209-301 30 13222 13164 27 13164 SEG33124200-301 30 13222 13141 31 13222 13343 31 13222 13343 33 13343 SEG33124209-301 35 13343 SEG33124			1-160 Deliverable Items List (DIL)	st (DIL)				
CHANGE PART NUMBER 13259 528-43040-1 13302 N/A 13216 SEG33107631-303 13216 SEG33107631-303 13216 SEG33111394-303 13216 SEG33111394-303 13164 SEG33123846-301 13164 SEG33123846-301 13164 MC707LLA 13164 MC707LLA 13164 MC707LLA 13164 SEG33124209-301 13164 MC707LLA 13164 SEG33124209-301 13164 SEG33124209-301 13164 SEG33124209-301 13164 SEG33124209-301 13343 SEG33124209-301 13343 SEG33124209-301 13343 SEG33124209-301 13343 SEG33124209-301 13343 SEG33124209-301 <td></td> <td>Table</td> <td></td> <td>ь Г</td> <td></td> <td></td> <td></td> <td></td>		Table		ь Г				
13259 528-43040-1 13302 N/A 13302 N/A 13216 SEG33107630-305 13216 SEG33107631-303 13216 SEG33107631-303 13216 SEG33107631-303 13216 SEG33107631-303 13216 SEG33111394-303 13164 SEG33111394-303 13164 SEG33123846-301 13164 MC707LLA 13164 MC707LLA 13164 MC694LLA 13164 SEC33124207-301 13164 MC694LLA 13164 MC633124208-301 13164 MC634LLA 13164 SEC33124207-301 13164 MC634LLA 13164 MC634LLA 13164 MC633124208-301 13164 SEC33124209-301 13164 SEC33124209-301 13164 SEC33124209-301 13343 SEC33124209-301 13343 SEC33124209-301 13343 SEC33124209-301	SERIAL NUMBER	LM ID NO*	NOMENCLATURE	۹TY	UNIT	DD250 DATE	ACTUAL DELIVERY DATE	REMARKS
13302 N/A 13302 N/A 13216 SEG33107631-303 13216 SEG33107631-303 13216 SEG33107631-303 13216 SEG33107631-303 13216 SEG33107631-303 13216 SEG33111394-303 13164 SEG33123846-301 13164 SEG33123846-301 13164 SEG33123846-301 13164 MC707LL/A 13164 MC707LL/A 13164 SEG33124207-301 13164 SEG33124207-301 13164 SEG33124208-301 13164 SEG33124208-301 13164 SEG33124208-301 13164 SEG33124208-301 13164 SEG33124208-301 13164 SEG33124208-301 13343 SEG33124208-301 13344 SEG33124208-301 13343 SEG33124208-301 13343 SEG33124208-301 13343 SEG33124208-301 13343 SEG33124208-301 13343 SEG33124208-301 13343 SEG33124208-301	N/A	CMC0285	Headphone Extension Cable	20	Each	6/30/12	<u>6/28/12</u>	
13302 N/A 13216 SEG33107630-305 13216 SEG33107631-303 13216 SEG33107631-303 13216 SEG33111394-303 13164 SEG33111394-303 13164 SEG3311394-303 13164 SEG33123846-301 13164 SEG33123846-301 13164 MC707LLA 13164 MC707LLA 13164 SEC33124207-301 13164 SEC33124207-301 13164 SEC33124208-301 13164 SEC33124207-301 13164 SEC33124208-301 13164 SEC33124208-301 13164 SEC33124208-301 13164 SEC33124208-301 13164 SEC33124208-301 13343 SEG33124208-301 13344 SEG33124208-301 13343 SEG33124209-301 13343 SEG33124208-301 13343 SEG33124209-301 13343 SEG33124209-301 13343 SEG33124209-301 13343 SEG33124209-301 13343 SEG33124209-301			Trade Study Presentation to NASA	.	Each	8/31/12**	<u>8/30/12</u>	
13216 SEG33107630-305 13216 SEG33107631-303 13216 SEG33111394-303 13216 SEG33111394-303 13164 SEG3311394-303 13164 SEG33123846-301 13164 MC707LLA 13164 MC707LLA 13164 MC707LLA 13164 MC707LLA 13164 SEG33124176-301 13164 SEC33124176-301 13164 SEC33124176-301 13164 SEC33124176-301 13164 SEC33124176-301 13164 SEC33124176-301 13164 SEC33124208-301 13222 13222 13343 SEG33124208-301 13344 SEG33124208-301 13343 SEG33124209-301 13343 SEG33124208-301 13343 SEG33124209-301			Delivery of White Paper based on Trade Study Presentation	-	Each	9/17/12**	9/17/12	Data posted to myCMC
13216 SEG33107631-303 13216 SEG3311394-303 13164 SEG33113946-301 13164 SEG33123846-301 13164 MC707LL/A 13164 MC707LL/A 13164 MC707LL/A 13164 MC707LL/A 13164 MC707LL/A 13164 SEC33124176-301 13164 SEC33124176-301 13164 SEC33124176-301 13164 SEC33124176-301 13222 13222 13222 13222 13222 13222 13343 MC694LL/A 13344 SEG33124209-301 13343 SE	1065-1068	CMC0276	Flexible Bracket Assy	4	Each	10/2012	<u>10/19/2012</u>	Confirmed reconfiguration in LM Memo 12-DVW-050
13216 SEG33111394-303 13164 SEG33123846-301 13164 SEG33123846-301 13164 MC707LL/A 13164 IXP1-500 13164 SEZ33124176-301 13164 SEZ33124176-301 13164 SEZ33124176-301 13164 SEZ33124176-301 13164 SEZ33124176-301 13164 SEC33124176-301 13164 SEC33124176-301 13164 SEC33124209-301 13141 SEG33124209-301 13141 SEG33124209-301 13141 SEG33124209-301 13343 SEG33124209-301 <td>1182-1228</td> <td>CMC0277</td> <td>Multi-Use Bracket Assy</td> <td>47</td> <td>Each</td> <td>10/2012</td> <td><u>10/29/2012</u></td> <td>Confirmed reconfiguration in LM Memo 12-DVW-050</td>	1182-1228	CMC0277	Multi-Use Bracket Assy	47	Each	10/2012	<u>10/29/2012</u>	Confirmed reconfiguration in LM Memo 12-DVW-050
13164 SEG33123846-301 13164 MC707LLA 13164 MC707LLA 13164 IXP1-500 13164 SEZ33124176-301 13164 SEZ33124176-301 13164 SEZ33124176-301 13164 SEZ33124176-301 13164 SEZ33124176-301 13164 SEC33124207-301 13222 13222 13222 SEG33124207-301 13343 SEG33124209-301 13344 SEG33124209-301 13343 SEG33124209-301 13344 SEG33124209-301 13343 SEG33124209-301 <t< td=""><td>1026-1048</td><td>CMC0278</td><td>Heavy Duty Clamp Assy</td><td>23</td><td>Each</td><td>10/2012</td><td>10/18/2012</td><td>Confirmed reconfiguration in LM Memo 12-DVW-050</td></t<>	1026-1048	CMC0278	Heavy Duty Clamp Assy	23	Each	10/2012	10/18/2012	Confirmed reconfiguration in LM Memo 12-DVW-050
13164 MC707LLA 13164 IXP1-500 13164 SE233124176-301 13164 SE233124176-301 13164 MC694LLA 13222 13222 13222 13222 13222 13222 13222 13222 13222 13222 13222 13222 13343 SEG33124208-301 13141 SEG33124208-301 13141 SEG33124208-301 13141 SEG33124208-301 13343 SEG33124209-301 13343 SEG33124209-	1001-1024	CMC0286	iPad Tablets, Flight	24	Each	12/29/12	<u>9/14/12 (3).</u> 12/17/12 (21)	32S quantities DD250'd first
13164 IXP1-500 13164 SEZ33124176-301 13164 SEZ33124176-301 13222 SEZ33124176-301 13222 I3222 13222 SEC33124176-301 13222 I3222 13222 SEG33124176-301 13222 I3222 1324 SEG33124208-301 13141 SEG33124209-301 13343 SEG33124209-301 13344 SEG33124209-301 13343 SEG33124214-301		CMC0286	iPad Tablets, Qualification and Test	14	Each	12/29/12	<u>8/9/12 (2),</u> <u>8/13/12 (6),</u> 8/27/12 (6)	Identified in Contracts Letter # 12-DVW-060R1
13164 SEZ33124176-301 13164 MC694LL/A 13222 13222 13222 13222 13222 55633124207-301 13141 SEG33124208-301 13141 SEG33124208-301 13141 SEG33124209-301 13344 SEG33124209-301 13343 SEG33124214-301		CMC0288	iPad USB Charging Adapters	14	Each	12/29/12	<u>8/16/12 (3).</u> <u>9/14/12 (3).</u> 12/12/12 (8)	Identified in Contracts Letter # 12-DVW-060R1
13164 MC694LL/A 13222 13222 13222 13222 13222 13222 13222 5EG33124207-301 13141 5EG33124208-301 13141 5EG33124209-301 13344 5EG33124209-301 13343 SEG33124209-301 13343 5EG33124209-301 13343 SEG33124214-301 13343 SEG33124214-301 13343 USM64GQ/S 13343 USM64GQ/S 13343 SEG33124214-301	1001-1032	CMC0287	iPod Nano MP3 Players, Flight	32	Each	12/29/12	12/12/12	
13222 13222 13222 13222 13222 55633124207-301 13141 55633124208-301 13141 55633124208-301 13344 55633124209-301 13344 55633124209-301 13343 55633124209-301 13343 55633124209-301 13343 55633124214-301 13343 55633124214-301 13343 95633124214-301 13343 95633124214-301 13343 95633124214-301 13343 95633124214-301 13343 95633124214-301 13343 95633124214-301 13343 95633124214-301 13343 95633124214-301 13343 95633124214-301 13343 95633124214-301 13343 95633124214-301 13343 95633124214-301 13343 95633124214-301 13343 95633124214-301 13343 95633124214-301		CMC0287	iPod Nano MP3 Players, Qualification and Test	19	Each	12/29/12	<u>8/30/12 (2).</u> 10/24/12 (9). 10/30/12 (8)	Identified in Contracts Letter # 12-DVW-060R1
13222 13222 13222 13222 13141 SEG33124208-301 13141 SEG33124208-301 13344 SEG33124208-301 13344 SEG33124209-301 13343 SEG33124201-301 13343 SEG33124214-301 13343 USM64GQ/S 13343 SEG33124214-301	-		Evidence of drawing delivery	1	Each	9/30/12**	<u>9/28/12</u>	
13222 13222 13141 SEG33124207-301 13141 SEG33124208-301 13344 SEG33124209-301 13344 SEG33124209-301 13344 SEG33124209-301 13343 SEG33124209-301 13343 SEG33124211-301 13343 SEG33124211-301 13343 WDBBEP001BBK-0 13343 USM64G0/S 13343 USM64G0/S 13343 SEG33124214-301			Evidence of Material Assessment delivery	-	Each	9/30/12**	<u>9/28/12</u>	
13141 SEG33124207-301 13141 SEG33124208-301 13344 SEG33124209-301 13344 SEG33124209-301 13343 Quatech 13343 SEG33124211-301 13343 SEG33124211-301 13343 WDBBEP001BBK-0 13343 WDBBEP001BBK-0 13343 USM64G0/S 13343 USM64G0/S 13343 SEG33124214-301 13343 USM64G0/S 13343 USM64G0/S 13343 SEG33124214-301			Evidence of Certification of the LVA	۲	Each	9/30/12**	<u>9/28/12</u>	
13141 SEG33124208-301 13344 SEG33124209-301 13344 SEG33124209-301 13343 Quatech 13343 SEG33124211-301 13343 SEG33124211-301 13343 WDBBEP001BBK-0 13343 WDBBEP001BBK-0 13343 USM64GQ/S 13343 USM64GQ/S 13343 SEG33124214-301 13343 USM64GQ/S 13343 SEG33124214-301	<u>1M0001-</u> 1M0200	<u>CMC0301</u>	Waste Trash Bag (T-01)	200	Each	6/30/13	<u>6/12/13</u>	
13344 SEG33124209-301 13344 Quatech 13343 ESU2-400 13343 SEG33124211-301 13343 WDBBEP001BBK-0 13343 WDBBEP001BBK-0 13343 USM64GQ/S 13343 USM64GQ/S 13343 SEG33124214-301 13343 USM64GQ/S 13343 SEG33124214-301 13343 USM64GQ/S 13343 SEG33124214-301 13343 USM64GQ/S 13343 SEG33124214-301 13343 USM64GQ/S 13343 SEG33124213-301 13343 SEG33124214-301 13343 USM64GQ/S 13343 SEG33124214-301	<u>2M0001-</u> 2M0200	CMC0302	Waste Trash Bag (T-02)	200	Each	6/30/13	<u>6/12/13</u>	
13344 Quatech 13343 ESU2-400 13343 SEG33124211-301 13343 WDBBEP001BBK-0 13343 WDBBEP001BBK-0 13343 WDBBEP001BBK-0 13343 WDBBEP001BBK-0 13343 WDBBEP001BBK-0 13343 USM64GQ/S 13343 USM64GQ/S 13343 SEG33124214-301 13343 USM64GQ/S 13343 SEG33124213-301 13343 SEG33124213-301 13343 SEG33124213-301 13343 SEG33124213-301	1001-1015	CMC0303	Multi-Port USB Serial Adapter Flight	15	Each	11/30/12	<u>10/29/12 (3),</u> 11/26/12 (12)	
13343 SEG33124211-301 13343 SEG33124211-301 13343 WDBBEP001BBK-0 13343 WDBBEP001BBK-0 13343 WDBBEP001BBK-0 13343 USM64C0/S 13343 USM64C0/S 13343 SEG33124214-301 13343 USM64C0/S 13343 ISS064C0/S 13343 SEC33124213-301 13343 ISS2CBSDHC10U1		CMC0304	Multi-Port USB Serial Adapter Ground Spares	30	Each	11/30/12	11/30/12	
13343 WDBBEP001BBK-0 13343 WDBBEP001BBK-0 13343 WDBBEP001BBK-0 13343 SEG33124214-301 13343 USM64GQ/S 13343 USM64GQ/S 13343 SEG33124213-301 13343 SEG33124213-301 13343 SEG33124213-301 13343 SEG33124213-301	<u>1001-1024</u>	CMC0305	External Hard Drives - Flight	24	Each	11/30/12	<u>11/6/12 (4).</u> <u>11/13/12 (6).</u> <u>11/29/12 (14)</u>	
13343 WDBBEP001BBK-0 13343 SEG33124214-301 13343 USM64GQ/S 13343 USM64GQ/S 13343 SEG33124213-301 13343 SEG33124213-301 13343 SEG33124213-301 13343 SEG33124213-301 13343 SEG33124213-301		CMC0306	External Hard Drives - Ground	14	Each	11/30/12	11/28/12	
13343 5533124214-301 13343 USM64GO/S 13343 USM64GO/S 13343 SEG33124213-301 13343 TS32GBSDHC10U1	4004 4060	CMC0307	External Hard Drives - Test	2	Each	11/30/12	11/28/12	
13343 USM64GQ/S 13343 USM64GQ/S 13343 SEG33124213-301 13343 TS32GBSDHC10U1	0001-1001	CMC0309 CMC0309	USB Thumb Drive - Ground	29	Each	11/30/12	11/28/12	
13343 SEG33124213-301 13343 TS32GBSDHC10U1		CMC0310	USB Thumb Drive - Test	-	Each	11/30/12	11/28/12	
13343 IS32GBSDHC10U1	1001-1050	CMC0311	SD Cards - Flight	50	Each	11/30/12	11/28/12	
44 13343 TS32GBSDHC10U1F		CMC0312 CMC0313	SD Cards – Ground SD Cards – Test	1	Each	11/30/12	<u>11/28/12</u> 11/28/12	
13372 SJ		CMC0314	ISS Food Warmer Mod Kit	4	Each	2/25/13	2/15/13	

NNJ10GA35C	NNJ10GA35C									SECTION J
				Table J-16A CARGC	e J-16A. Deliverable Items List (DIL) CARGO MISSION CONTRACT	st (DIL)				
ON	CHANGE NUMBER	PART NUMBER	SERIAL NUMBER	LM ID NO*	NOMENCLATURE	QTY	UNIT	DD250 DATE	ACTUAL DELIVERY DATE	REMARKS
46	13372				Delivery, to EDMS, of White Paper based Trade Study Presentation	1	Each	5/13/13**	5/13/13	
47	13372	N/A			Trade Study Presentation to NASA at VCB and SSPCB	-	Each	8/02/13**	<u>6(03/13 (VCB),</u> 7/30/13 (SSPCB)	Revised date per Contract Mod 72
48	13417				Drawing Release (EDCC Upload)	-	Each	5/20/13**	<u>5/20/13</u>	<u>13417R1 revised</u> completion date due to delaved ATP
49	13417				Certification Complete (EDMS Upload)	-	Each	6/10/13**	<u>6/10/13</u>	13417R1 revised completion date due to delaved ATP.
50	13314			CMC0292	S3 CAA Kit Upper Assembly	-	Each	11/04/14		
51	13314			CMC0322	S3 CAA Kit Lower Assembly	-	Each	11/04/14		
52	13314			CMC0293	P3 CAA Upper Assembly	-	Each	11/04/14		
53	13314			CMC0323	P3 CAA Lower Assembly		Each	11/04/14		
04 55	13314			CMC0294	CAA Antenna UKU	4	Each	11/04/14		
56	13314			CMC0295	Flight Equivalent Unit (FEU)	5	Each	11/04/14		
57	13314			CMC0296	FEU Cable	2	Each	11/04/14		
58	13314			CMC0297	Ground Support Equipment (GSE) Cable	1	Each	11/04/14		
59	13314			CMC0298	Hat Couplers	2	Each	11/04/14		
60	13604				Automated External Defibrillators (AED)	4	Each	9/30/13**	<u>5/21/13 (1).</u> 6/11/13 (3)	
61	13604				Automated External Defibrillators (AED)	-	Each	1/04/13**	1/03/13	
62	13773	<u>SEG33124375-301</u> SEG33124376-301	1001	CMC0331 CMC0448	CCAA HX FSE Enclosure	.	Each	12/13/13	12/5/13	DD250 date revised per Contracts Letter # 13-DVW- 029
ଞ	13344	<u>SEG33124210-301</u>	<u>1001-1015</u>	<u>CMC0316</u>	USB Serial Adapter Cable - Flight	15	Each	11/30/12	<u>10/29/12 (3),</u> 11/26/12 (12)	Identified in Contracts Letter # 12-DVW-048
<mark>6</mark> 4	<u>13343</u>	SEG33124212-301	<u>1001-1024</u>	CMC0317	USB 3.0 HDD Cable - Flight	24	Each	11/30/12	<u>11/6/2012 (4).</u> <u>11/13/2012 (6).</u> 11/28/2012 (14)	Identified in CD 13343R1
<mark>8</mark>	13343	4064-705107-000	N/A	CMC0320	USB 3.0 HDD Cable - Spares (COTS)		Each	11/30/12	11/28/2012	Identified in CD 13343R1
<mark>9</mark> 9	13343	4064-705107-000	N/A	CMC0321	USB 3.0 HDD Cable (Test)	2	Each	11/30/12	11/28/2012	Identified in CD 13343R1
<u>67</u>	<u>13164</u>	<u>SEZ33124176-801</u>	1001-1032	CMC0318	iPod Charging Cables	32	<u>Each</u>	12/29/12	12/12/2012	Identified in Contracts Letter # 12-DVW-058
<u>8</u>	13164	<u>SEZ33117876-001</u>	<u>N/A</u>	CMC0319	iPod Headphones	없	Each	12/29/12	<u>12/12/2012</u>	Identified in Contracts Letter # 12-DVW-058
<u>69</u>	<u>13164</u>	<u>SEG33123847-801</u>	<u>1001-1024</u>	<u>CMC0288</u>	iPad USB Charging Adapters	24	Each	<u>12/29/12</u>	<u>9/14/12 (3).</u> 12/17/12 (21)	Identified in Contracts Letter # 12-DVW-059
70	13786	TBD	TBD	CMC0384	Drill Imposed Driver	10	Each	8/18/14 8/18/14		
72	13786	TBD	TBD	CMC0386	Fiberscope Light Source Kit***	5	Each	8/18/14		

NNJ10	NNJ10GA35C Modification 115									SECTION J
				Table, C	Table J-16A. Deliverable Items List (DIL) CARGO MISSION CONTRACT	st (DIL) 3T				Auddinientus-10
O V	CHANGE NUMBER	PART NUMBER	SERIAL NUMBER	LM ID NO*	NOMENCLATURE	QT∖	UNIT	DD250 DATE	ACTUAL DELIVERY DATE	REMARKS
73	13786	TBD	TBD	CMC0427	CR 123 Lithium Ion Battery	7	Each	8/18/14		
74	13786	TBD	TBD	CMC0387	Soldering Iron Station	5	Each	8/18/14		
75	13786	TBD	TBD	CMC0428	Soldering Iron Tip, 700° F, 1/8"	5	Each	8/18/14		
76	13786	TBD	TBD	CMC0429	Soldering Iron Tip, 700° F, 1/16"	5	Each	8/18/14		
27	13786	TBD	TBD	CMC0430	Soldering Iron Tip, 700° F, 1/32"	5	Each	8/18/14		
78	13786	TBD	TBD	CMC0431	Soldering Iron Tip, 800° F, 1/8"	5	Each	8/18/14		
62	13786	TBD	TBD	CMC0432	Soldering Iron Tip, 800° F, 1/16"	5	Each	8/18/14		
8	13786	IBD	<u>180</u>	CMC0433	Soldering Iron Tip, 800° F. 1/32"	IQI	Each	<u>8/18/14</u>		
<u>8</u>	13966	<u>528-21376-1</u>	TBD	CMC0449	IWIS power cables	7	Each	5/26/14		
8	14143	PA-155	TBD	CMC0474	Kneeboard Assembly	-	Each	11/28/2014		
<mark>8</mark>	14143	TBD	TBD	CMC0475	Removable Pocket	-	Each	1/30/2015		
20	14002	TBD	TBD	CMC0451	ISS Food Warmer	2	Each	<u>9/23/2016</u>		
<mark>82</mark>	14002	TBD	TBD	<u>CMC0452</u>	ISS Food Warmer Power Cable	2	<u>Each</u>	<u>9/23/2016</u>		
<mark>88</mark>	14002	TBD	TBD	CMC0453	ISS Food Warmer Heater Plate	က	Each	9/23/2016		
<u>87</u>	14002	<u>TBD</u>	<u>TBD</u>	<u>CMC0454</u>	ISS Food Warmer Control Panel	2	<u>Each</u>	<u>9/23/2016</u>		
8	<u>14002</u>	TBD	TBD	<u>CMC0455</u>	<u>ISS Food Warmer Circuit</u> <u>Board</u>	2	Each	<u>9/23/2016</u>		
8	14002	TBD	TBD	<u>CMC0456</u>	ISS Food Warmer Foam Insulation Panel	g	Each	<u>9/23/2016</u>		
8	14002	<u>TBD</u>	TBD	<u>CMC0457</u>	ISS Food Warmer Food Restraint	18	<u>Each</u>	9/23/2016		
91	14175	TBD	TBD	CMC0472	ESD Kit	∞	Each	3/30/2015		

*LM ID Number is assigned with actual DD250 delivery date. ** No DD250 is required for this item. ***Note: Fiberscope Light Source Kit includes quantity 1 each Light Source, Adapter, and Battery.

Modification 1	Modification 115			<u>Table J-16B.</u>	Task Order (TO) Deliverable Items List (DIL) CARGO MISSION CONTRACT	<u>e Items I</u> CT	List (DIL)	_		Attachment J-16
Q	CHANGE NUMBER	PART NUMBER	SERIAL NUMBER	LM ID NO*	NOMENCLATURE	QTY	UNIT	DD250 DATE	ACTUAL DELIVERY DATE	REMARKS
-1	12804	SEB13100134-305	N/A	CMC0252	Jettison Stowage Bags	00	Each	11/30/11	11/15/11	Pre-negotiated approval
2	12804	SEB13100134-305	N/A	CMC0253	Jettison Stowage Bags	20	Each	12/2011	11/15/11	to delay initial delivery
က၊	12804	SEB13100134-305	<u>N/N</u>	CMC0254	Jettison Stowage Bags	20	Each	2/2012	<u>11/15/11</u>	since all JSBs would be delivered at same time from the vendor. Therefore, all 100 were combined on one DD250 (CIMC0252) , new dates are reflected in 12804R1.
41	12804	SEG33111806-301	<u>1127-1158</u>	CMC0258	M02 Bag Assembly	30	Each	11/2012	<u>12/2/11</u>	
N	<u>12804</u>	SEG33122042-301	4087-4106	CMC0243	Redesigned Cargo Transfer Bags (0.5 CTB)	20	Each	1/2012	1/10/12	
Ø	<u>12804</u>	SEG33122045-301	<u>4002-4031</u>	CMC0249	Redesigned Cargo Transfer Bags (3.0 CTB)	30	Each	2/28/12	<u>1/12/12 (15)</u> 2/9/12 (15)	Pre-negotiated approval for February delivery of 15 units. 12804R3 updated DIL date.
2	<u>12804</u>	SEG33111805-301	<u>1123-1136.</u> <u>1164-1169</u>	CMC0255	M01 <u>Bag Assembly</u>	20	Each	11/2012	<u>1/17/12 (14)</u> 6/7/12 (6)	
∞	12804	SEG33122043-301	<u>4037-4066</u>	CMC0246	Redesigned Cargo Transfer Bags (1.0 CTB)	30	Each	2/28/12	2/9/12	Pre-negotiated approval for February delivery. 12804R3 updated DIL date.
ດ	12804	SEG33111806-301	1159-1222	CMC0259	M02 Bag Assembly	50	Each	5/2013	2/15/12	
위	<u>12804</u>	SEG33111805-301	<u>1137-1163.</u> 1170-1172	CMC0256	M01 <u>Bag Assembly</u>	30	Each	5/2013	<u>2/27/12 (27)</u> 6/7/12 (3)	
뒤	<u>12804</u>	SEG33122042-301	<u>4107-4156</u>	CMC0244	Redesigned Cargo Transfer Bags (0.5 CTB)	50	Each	6/2012	<u>4/3/12</u>	
13	<u>12804</u>	SEG33111806-301	1223-1284	CMC0260	M02 Bag Assembly	78	Each	10/2013	4/12/12	
<mark>61</mark>	<u>12804</u>	SEG33122043-301	<u>4067-4126</u>	CMC0247	Redesigned Cargo Transfer Bags (1.0 CTB)	60	Each	6/2012	<u>5/10/12</u>	
4	<u>12804</u>	SEG33122045-301	<u>4032-4071</u>	CMC0250	Redesigned Cargo Transfer Bags (3.0 CTB)	40	Each	6/2012	<u>5/10/12</u>	
15	12804	SEG33111805-301	1173-1190	CMC0257	M01 Bag Assembly	18	Each	10/2013	6/7/12	
10	<u>12804</u>	SEG33122042-301	<u>4157-4227</u>	CMC0245	Redesigned Cargo Transfer Bags (0.5 CTB)	71	Each	3/2013	<u>2/27/2013</u>	12804R2 revised DD250 date.
1	<u>12804</u>	SEG33122043-301	4127-4217	CMC0248	Redesigned Cargo Transfer Bags (1.0 CTB)	91	Each	3/2013	<u>8/16/12 (60).</u> 1/24/13 (31)	<u>12804R2 revised DD250</u> date.
18	12804	SEG33122045-301	4072-4111	CMC0251	Redesigned Cargo Transfer Bags (3.0 CTB)	40	Each	3/2013	<u>3/22/2013</u>	12804R2 revised DD250 date.
19	<u>12804</u>	<u>SEG33122044-301</u>	<u>4002-4051</u>	<u>CMC0289</u>	<u>Redesigned Cargo Transfer</u> Bags (2.0 CTB)	<u>50</u>	<u>Each</u>	10/2012	10/18/12	
2	<u>12804</u>	<u>SEG33122044-301</u>	<u>4052-4101</u>	CMC0290	<u>Redesigned Cargo Transfer</u> <u>Bags (2.0 CTB)</u>	<u>20</u>	<u>Each</u>	<u>1/2013</u>	<u>12/12/12</u>	
21	<u>12804</u>	SEG33122042-301	<u>4228-4427</u>	<u>CMC0326</u>	Redesigned Cargo Transfer Bags (0.5 CTB)	200	<u>Each</u>	11/12/2013	<u>9/12/13</u>	<u>12804R5 revised DD250</u> date.

CHANGE NUMBER 12804 12804 12804 12804 12804 13767 13767 13767 13767	PART NUMBER SEG33122043-301 SEG33122044-301 SEB13100134-306 SEG33111806-301 TBD TBD TBD	SERIAL NUMBER 4218-4392 1101-1250 1285-1324	LM ID NO* CMC0321 CMC0328 CMC0330 CMC0333 CMC0335 CMC0338 CMC0338	NOMENCLATURE Redesigned Cargo Transfer Bags (1.0 CTB) Redesigned Cargo Transfer Bags (1.0 CTB) Bags (1.0 CTB) Bages (1.0 CTB) Bages (1.0 CTB) Jettison Stowage Bags Jettison Stowage Bags D4 Camera - Flight D4 Camera - Flight D4 Camera - COTS D4 Battery - COTS D4 Battery - COTS D4 Battery - Flight D4 Battery - COTS D4 Battery - COTS D4 Battery - Flight D4 Battery - COTS D4 Battery - Flight D4 Battery - Flight D4 Battery - Flight D4 Battery - COTS	a 133 133 133 133 132 133 133 133 133 133		CARGO MISSION CONTRACT OWENCLATURE OTY UNIT DD250 NOMENCLATURE OTY UNIT DD250 Redesigned Cargo Transfer 175 Each 11/12/2013 Bags (1.0 CTB) Each 11/12/2013 DD250 Redesigned Cargo Transfer 100 Each 2/12/2014 Bags (2.0 CTB) Jettison Stowage Bags 150 Each 2/12/2014 Jettison Stowage Bags 150 Each 2/12/2014 MO2 Stowage Bag 25 Each 2/12/2014 MO2 Stowage Bag 25 Each 2/12/2014 D4 Camera - Flight 20 Each 2/12/2014 D4 Camera - Flight 20 Each 2/12/2014 D4 Battery - Flight 63 Each 2/12/2014 D4 Battery - COTS 20 Each 2/12/2014 D4 Battery - Flight 63 Each 2/12/2014 D4 Battery - Flight 64 2/29/14 2/14	ACTUAL DELIVERY DATE 10/17/13 10/18/13 1/16/14 (40)	REMARKS 12804R5 revised DD250 date. 12804R5 revised DD250 date. 12804R5 revised DD250 date. Task Order 2, Revision 1, revised DD250 date.
			CMC0337 CMC0338 CMC0338	Configuration D4 Battery Charger - COTS Configuration D4 Power Supply - Flight Configuration D4 Power Supply - COTS Configuration	ы ю <mark>1</mark> 3 ю		<u>9/29/14</u> <u>8/29/14</u> <u>8/29/14</u>		
	180 180 180		CMC0340 CMC0390 CMC0391 CMC0391	AC Battery Insert - Flight Configuration AC Battery Insert - COTS Configuration Compact Flash Cards - Flight Configuration Compact Flash Cards - COTS	38 40 IV IO	Each Each	<u>8/29/14</u> 8/29/14 8/29/14 8/29/14		
	<u>TBD</u> TBD SED33105019-301		CMC0342 CMC0392 CMC0343	Configuration Lens. 16mm EVA - Flight Configuration Lens. 16mm EVA - COTS Configuration Lens. 28mm f/2.8 EVA - Flight	14 17 IQ	Each Each	<u>8/29/14</u> <u>8/29/14</u> <u>8/29/14</u>		
	UET UET UET UET		CMC0393 CMC0344 CMC0394 CMC0345	Computation Lens, 28mm f/2.8 EVA - COTS Configuration 52mm Lens Filter Ring - Flight Configuration 52mm Lens Filter Ring - COTS Configuration Lens, 24mm f/1.4 - Flight		Each Each Each	<u>8/29/14</u> <u>8/29/14</u> <u>8/29/14</u> 8/29/14		

NNJ1(Modifi	NNJ10GA35C Modification 115									SECTION J Attachment J-16
				Table J-16B. 7 C	Task Order (TO) Deliverable Items List (DIL) CARGO MISSION CONTRACT	le Items I ACT	ist (DIL)			
		D ADT NI MPED								
2	NUMBER		SEKIAL NUMBER		NOMENCLATURE	aiy		DD250 DATE	ACTUAL DELIVERY DATE	REMARKS
<u>45</u>	<u>13767</u>	TBD		<u>CMC0395</u>	Lens, 24mm f/1.4 - COTS Configuration	41	<u>Each</u>	8/29/14		
<u>46</u>	<u>13767</u>	<u>SEZ33121954-301</u>		<u>CMC0346</u>	<u>Lens, 14-24mm - Flight</u> Configuration	וטי	Each	<u>8/29/14</u>		
<u>47</u>	<u>13767</u>	<u>TBD</u>		<u>CMC0396</u>	Lens, 14-24mm - COTS Configuration	41	Each	<u>8/29/14</u>		
<u>48</u>	<u>13767</u>	TBD		<u>CMC0347</u>	<u>Lens, 24-70mm - Flight</u> Configuration	ω	Each	<u>8/29/14</u>		
<u>49</u>	<u>13767</u>	<u>TBD</u>		CMC0397	Lens, 24-70mm - COTS Configuration	ω	Each	8/29/14		
20	<u>13767</u>	TBD		<u>CMC0348</u>	Lens Bumper Cap, 77mm - Flight Configuration	<u>15</u>	Each	<u>8/29/14</u>		
<u>51</u>	<u>13767</u>	TBD		<u>CMC0398</u>	Lens Bumper Cap, 77mm - COTS Configuration	ဖျ	Each	<u>8/29/14</u>		
<u>52</u>	<u>13767</u>	<u>TBD</u>		CMC0349	Lens Bumper Cap, 52mm - Flight Configuration	ဖျ	Each	<u>8/29/14</u>		
<u>23</u>	<u>13767</u>	IBD		CMC0399	Lens Bumper Cap, 52mm - COTS Configuration	~1	Each	<u>8/29/14</u>		
<u>54</u>	<u>13767</u>	TBD		<u>CMC0350</u>	<u>50-500 Sigma - Flight</u> Configuration	က၊	Each	<u>8/29/14</u>		
<u>55</u>	<u>13767</u>	<u>TBD</u>		<u>CMC0400</u>	50-500 Sigma - COTS Configuration	က၊	Each	8/29/14		
<u>56</u>	13767	<u>TBD</u>		CMC0351	Lens Bumper Cap, 95mm - Flight Configuration	ကျ	Each	<u>8/29/14</u>		
<u>57</u>	<u>13767</u>	<u>TBD</u>		<u>CMC0401</u>	<u>Lens Bumper Cap, 95mm -</u> COTS Configuration	2	Each	<u>8/29/14</u>		
<u>28</u>	<u>13767</u>	<u>TBD</u>		<u>CMC0352</u>	<u>Lens, 70-200mm - Flight</u> Configuration	4	Each	8/29/14		
<u>59</u>	<u>13767</u>	TBD		<u>CMC0402</u>	Lens, 70-200mm - COTS Configuration	2	Each	<u>8/29/14</u>		
8	<u>13767</u>	TBD		<u>CMC0353</u>	<u>Lens, 800mm - Flight</u> Configuration	က၊	<u>Each</u>	<u>8/29/14</u>		
<u>61</u>	<u>13767</u>	TBD		<u>CMC0403</u>	Lens, 800mm - COTS Configuration	▼-1	<u>Each</u>	<u>8/29/14</u>		
<u>62</u>	<u>13767</u>	TBD		<u>CMC0354</u>	Flash Ring Adapter - Flight Configuration	41	Each	8/29/14		
<u>63</u>	13767	<u>TBD</u>		<u>CMC0404</u>	Flash Ring Adapter - COTS Configuration	ကု၊	Each	8/29/14		
<u>64</u>	<u>13767</u>	TBD		<u>CMC0355</u>	800mm Lens Cap - Flight Configuration	က၊	Each	8/29/14		
<u>65</u>	13767	TBD		<u>CMC0405</u>	800mm Lens Cap - COTS Configuration	- 1	Each	<u>8/29/14</u>		
ଞ	<u>13767</u>	TBD		<u>CMC0356</u>	Lens. 1.4x Tele-converters - Flight Configuration	က၊	<u>Each</u>	<u>8/29/14</u>		
<u>67</u>	<u>13767</u>	TBD		<u>CMC0406</u>	Lens. 1.4x Tele-converters - COTS Configuration	-1	Each	<u>8/29/14</u>		

NNJ1(Modifi	NNJ10GA35C Modification 115									SECTION J Attachment J-16
				Table J-16B.	Task Order (TO) Deliverable Items List (DIL) CARGO MISSION CONTRACT	e Items \CT	<u>List (DIL</u>]		
<mark>0</mark>	CHANGE	PART NUMBER	SERIAL	LM ID NO*	NOMENCLATURE	۵TY	UNIT	DD250	ACTUAL	REMARKS
	NUMBER		NUMBER					DATE	DELIVERY DATE	
ᅇ	<u>13767</u>	IBD		<u>CMC0362</u>	<u>Circular Polarizer Filter 77mm -</u> Flight Configuration	ωI	<u>Each</u>	<u>8/29/14</u>		
<mark>8</mark>	<u>13767</u>	<u>TBD</u>		<u>CMC0407</u>	Circular Polarizer Filter 77mm - COTS Configuration	<u>ooi</u>	Each	<u>8/29/14</u>		
2	<u>13767</u>	TBD		<u>CMC0408</u>	52mm to 77mm Filter Ring Adapter - Flight Configuration	41	Each	<u>8/29/14</u>		
11	<u>13767</u>	TBD		CMC0409	52mm to 77mm Filter Ring Adapter - COTS Configuration	41	<u>Each</u>	<u>8/29/14</u>		
72	<u>13767</u>	TBD		<u>CMC0410</u>	62mm to 77mm Filter Ring Adapter - Flight Configuration	4	Each	<u>8/29/14</u>		
<u>73</u>	<u>13767</u>	TBD		<u>CMC0411</u>	62mm to 77mm Filter Ring Adapter - COTS Configuration	41	Each	<u>8/29/14</u>		
74	<u>13767</u>	TBD		<u>CMC0412</u>	<u>72mm to 77mm Filter Ring</u> Adapter - Flight Configuration	ΩI	Each	<u>8/29/14</u>		
<u>75</u>	<u>13767</u>	TBD		<u>CMC0413</u>	72mm to 77mm Filter Ring Adapter - COTS Configuration	ΩI	Each	<u>8/29/14</u>		
<u>76</u>	<u>13767</u>	TBD		<u>CMC0363</u>	Circular Polarizer Filter 95mm - Flight Configuration	41	Each	<u>8/29/14</u>		
17	<u>13767</u>	<u>TBD</u>		<u>CMC0414</u>	Circular Polarizer Filter 95mm - COTS Configuration	4	Each	<u>8/29/14</u>		
78	<u>13767</u>	TBD		<u>CMC0415</u>	<u>SC-29 Flash cord - Flight</u> Configuration	ଦା	<u>Each</u>	8/29/14		
<u>87</u>	<u>13767</u>	TBD		<u>CMC0416</u>	<u>SC-29 Flash cord - COTS</u> Configuration	41	<u>Each</u>	8/29/14		
8	<u>13767</u>	<u>TBD</u>		<u>CMC0367</u>	Compact Flash Card reader - COTS Configuration	IQI	<u>Each</u>	<u>8/29/14</u>		
<u>8</u>	<u>13767</u>	TBD		<u>CMC0368</u>	<u>95mm Bumper Ring - Flight</u> Configuration	2	Each	8/29/14		
82	<u>13767</u>	TBD		<u>CMC0417</u>	<u>95mm Bumper Ring - COTS</u> Configuration	5	<u>Each</u>	<u>8/29/14</u>		
<u>83</u>	<u>13767</u>	TBD		CMC0369	77mm Bumper Ring - Flight Configuration	<u>15</u>	Each	<u>8/29/14</u>		
<u>8</u>	<u>13767</u>	IBD		<u>CMC0370</u>	<u>52mm Bumper Ring - Flight</u> Configuration	Z	<u>Each</u>	<u>8/29/14</u>		
8	<u>13767</u>	TBD		<u>CMC0372</u>	<u>Camera Thermal Blanket -</u> Flight Configuration	വ	<u>Each</u>	8/29/14		
ଞ	<u>13767</u>	<u>TBD</u>		<u>CMC0418</u>	Camera Thermal Blanket - COTS Configuration	2	<u>Each</u>	8/29/14		
87	13767	TBD		CMC0374	Lens cap - Flight Configuration	ດມ	<u>Each</u>	8/29/14		
8	<u>13767</u>	TBD		<u>CMC0419</u>	<u>Lens cap - COTS</u> <u>Configuration</u>	2	<u>Each</u>	<u>8/29/14</u>		
8	<u>13767</u>	<u>TBD</u>	5 6	<u>CMC0375</u>	Lens Accessory Pouch - Flight Configuration	2	<u>Each</u>	8/29/14		
ଚ୍ଚ	<u>13767</u>	IBD		<u>CMC0420</u>	Lens Accessory Pouch - COTS Configuration	2	<u>Each</u>	<u>8/29/14</u>		
<u>9</u>	13767	IBD		<u>CMC0376</u>	EVA Flash battery replacement - Flight Configuration	80	Each	<u>8/29/14</u>		

	REMARKS		DD1149 CMC-001268	DD1149 CMC-001279	DD1149 CMC-001145	DD1149 CMC-001164	(7) DD1149 CMC-001164 (3) DD1149 CMC-001175	
	ACTUAL DELIVERY DATE		<u>2/12/2014</u>	<u>2/18/2014</u>	<u>11/19/13</u>	<u>11/27/13</u>	<u>11/27/13</u> (<u>1/31/14 (3).</u> <u>3/13/14 (11)</u>
	DD250 DATE	8/29/14	<u>11/29/13</u>	<u>11/29/13</u>	<u>11/29/13</u>	11/29/13	11/29/13	05/12/14
	UNIT	Each	Each	Each	Each	Each	<u>Each</u>	Each
CI	ατγ	3	2	위	10	<u>10</u>	<u>1</u>	14
CARGO MISSION CONTRACT	NOMENCLATURE	EVA Flash battery replacement - COTS Configuration	D4 Camera	Lens. 28-300mm f/3.5/5	<u>MC7 AF 2.0 DGX 2X</u> Telephoto Converter	D4 Power Supply	AC Battery Insert (Nikon EP-6)	M03 Bag Assembly
	LM ID NO*	<u>CMC0421</u>	<u>CMC0422</u>	CMC0423	<u>CMC0424</u>	CMC0425	<u>CMC0426</u>	<u>CMC0434</u>
	SERIAL NUMBER		<u>2071153 -</u> 2071162	<u>52118475 - 52118483. 52118486 5218486 52118486 52118486 52118486 52118486 5218486 5218486 5218486 5218486 5218486 5218486 5218486 5218486 5218486 5218486 5218486 5218486 5218486 5218486 5218785 5218486 5218486 5218785 5218486 5218785 5285 5218785 5285 5285 5285 5285 5285 5285 5285 </u>	<u>N/A</u>	<u>N/A</u>	NA	<u>1010-1012</u> <u>1007-1009</u> 1013-1020
	PART NUMBER	TBD	<u>14025482</u>	<u>14002191</u>	<u>MC7</u>	27057	<u>27054</u>	SEG33117683-301
	CHANGE NUMBER	<u>13767</u>	<u>13767</u>	<u>13767</u>	<u>13767</u>	13767	<u>13767</u>	12804
	Q	8	<u>8</u>	<u>94</u>	<u>82</u>	8	<u> 87</u>	8

*LM ID Number is assigned with actual DD250 delivery date.

SECTION J Attachment J-16

Table J-16B. Task Order (TO) Deliverable Items List (DIL)

NNJ10GA35C Modification 115

		SOLICITATION/ OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. Mod 116		3. EFFECTIVE DATE See Block 16C	4. REQUIS	ITION/PURCHASE REQ. NO. N/A	5. PROJEC	r NO. (If applicable)
6. ISSUED BY	CODE	BG	7. ADMINI	STERED BY (If other than Item 6)	CODE	BG
NASA Lyndon B. Johnson S 2101 NASA Parkway Attn: BG/Learon J. Comeau Houston, TX 77058		nter	2101 N Attn: B0	.yndon B. Johnson Space Ce ASA Parkway 3/Sophia Mo n, TX 77058	nter	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and ZiP Code)

Lockheed Martin Engineering Services Attn: Dan Wegner 2625 Bay Area Blvd Houston, TX 77058

CODE		FACILITY CODE					
	9A. AMENDMENT OF SOLICITATION NO.	9B. DATED (SEE ITEM 11)					
	10A. MODIFICATION OF CONTRACT/ORDER NO.	108. DATED (SEE ITEM 13)					
Х	NNJ10GA35C	12/10/10					
	11. THIS ITEM ONLY APPLIES TO A	MENDMENTS OF SOLICITATIONS					
	ne above numbered solicitation is amended as set forth in item 14. The hour and date specied ust acknowledge receipt of this amendment prior to the hour and date specified in the solici						
submitte	propieling items 6 and 15, and returning Copies of the amendment; (b) By ad d; or (c) By separate letter or telegram which includes a reference to the solicitation and am EIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE I						
	FFER. If by virtue of this amendment you desire to change an offer already submitted, suc						
	makes reference to the solicitation and this amendment, and is received prior to the opening	hour and date specified.					
12. ACC							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.(x)							
	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHAN CONTRACT ORDER NO. IN ITEM 10A.	GES SET FORTH IN ITEM 14 ARE MADE IN THE					
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE AI appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF						
x	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHOR Contract Clause H.16, Special Clause for Contract Change						
	d. OTHER (Specify type of modification and authority)						
E. IMPO	ORTANT: Contractor Is not, X Is required to sign this document an	id return copies to the issuing office.					
14. des	cription of amendment/modification (Organized by UCF section headings, including solicital	on/confract subject matter where feasible.)					

The purpose of this Supplemental Agreement is to definitize Space Station Change Notice (SSCN) 14308, "Procure and Certify RED® Dragon Camera System for International Space Station (ISS) Operations & Utilization and Baseline the Associated Applicable Requirements Matrix for Commercial-off-the Shelf (COTS) Hardware Certification."

15A. NAME AND TITLE OF SIGNER (Type or print) Dan Wegner, Contracts Administrator		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or pri Learon J. Comeaux, Contracting Officer	inl)
16B. CONTRACTOR/OFFEROR (Signalure of person authorized to sign)	15C. DATE SIGNED 9.30.2014	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED
NSN 7540-01-152-8070 PREVIOUS EDITION UNU\$ABLE	30-1 JSC MS Wor		ARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	Cost
116		COTS: Procure and Certify RED® Dragon Camera System for International Space Station (ISS) Operations & Utilization and Baseline the Associated Applicable Requirements Matrix for Commercial-off- the Shelf (COTS) Hardware Certification	

B. Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.12 Certification support and flight processing of the RED® Dragon Camera System to support International Space Station (ISS) Operations & Utilization (SSCN 014308)

C. Section C, Statement of Work, is hereby updated to add the following:

6.12 Certification support and flight processing of the RED® Dragon Camera System to support International Space Station (ISS) Operations & Utilization (SSCN 014308).

The contractor shall perform the following tasks by October 31, 2014:

- Develop drawings (quantity four (4)) for the RED® Dragon Camera System.
- Procure and apply flight labels to flight hardware.
- Configure hardware for flight.
- Develop and execute Pre-flight Functional test with NASA Photo/TV Group input.
- Assemble hardware for flight per RED® Dragon Pre-assembly Procedures.
- Provide a quantity of one (1) Camcorder Rail Adapter, Part Number SEG33113205-301, from inventory for integration to the RED® Camera.

The contractor shall complete the following tasks to support hardware certification by November 7, 2014:

- Release drawings (quantity four (4)) for the RED® Dragon Camera System into the Engineering Drawing Control Center (EDCC).
- Provide thermal analysis for touch temperature verification.
- Provide Pre-flight Functional test report.

These tasks shall be completed based on a delivery of the RED® Dragon Camera System hardware from the NASA Avionics and Software Office by 10/06/2014.

The contractor shall deliver (via DD1149) the RED® Dragon Camera System hardware to the Government sixty (60) days following hardware return from the ISS.

D. Section J, Attachment J-18, Government Furnished Data, is hereby updated to include the following:

NASA RESP	RESP Team	LM RESP	Unique ID	Nomenclature	FLT No.	Need Date
Angela Olstad	OD	Brad Henry		RED® Dragon Pre-assembly Procedures (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		NASA Photo/TV Group input for Pre-flight Functional Test (SSCN 14308)	SpX5	10/6/2014

E. Section J, List of Attachments, is hereby updated to include the following:

NASA RESP	RESP Team	LM RESP	Unique ID	Nomenclature	FLT No.	Need Date
Angela Olstad	OD	Brad Henry		RED® Epic-M Dragon (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		Nikon Lens Mount (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		Side Handle (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		Quickplate Module (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		Adapter Module (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		A-box Microphone Adapter (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		Accessory Shoe (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		Tactical Top Plate 2.0 (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		Tactical Top Handle (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		100mm Swat Rail (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		Tactical Left Adapter (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		Tactical Rib (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		Positive Lock Mount (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		RED Touch 9" liquid crystal display (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		Electronic Viewfinder (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		Gunner Handle (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		5" RED® Arm (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		Battery (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		240GB solid state drive (SSD) (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		1.8" SSD Reader (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		Battery Charger (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		Power Cable (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		Display Cable (SSCN 14308)	SpX5	10/6/2014
Angela Olstad	OD	Brad Henry		USB Cable (SSCN 14308)	SpX5	10/6/2014

F. Section J, Attachment J-19, Government Furnished Equipment, is hereby to add the following:

G. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 14308, "Procure and Certify RED® Dragon Camera System for International Space Station (ISS) Operations & Utilization and Baseline the Associated Applicable Requirements Matrix for Commercial-off-the Shelf (COTS) Hardware Certification," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

		F SOLICITATION/ OF CONTRACT	1. CONTRACT ID	CODE		PAGE OF PAGES
2. AME	NDMENT/MODIFICATION NO. Mod 117	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE R	EQ. NO.	5. PROJEC	T NO. (If applicable)
6. ISSU	ED BY CODE	BG	7. ADMINISTERED BY (If other t	than llem 6)	CODE	BG
2101 Attn: i	Lyndon B. Johnson Space Ce NASA Parkway BG/Learon J. Comeaux ton, TX 77058	nter	J NASA Lyndon B. John 2101 NASA Parkway Attn: BG/Sophia Mo Houston, TX 77058			
Lockh Attn: 2625	E AND ADDRESS OF CONTRACTOR (No., sil leed Martin Engineering Service Dan Wegner Bay Area Blvd con, TX 77058					
CODE			FACILITY CODE			
	9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)			
х	10A. MODIFICATION OF CONTRACT/ORD NNJ10GA35C	ER NO.	10B. DATED (SEE ITEM 13) 12/10/10			
		11. THIS ITEM ONLY APPLIES TO A	MENDMENTS OF SOLICITAT	TIONS		- 14. HL
Offers m (a) By co submitter BE REC YOUR O or letter r	te above numbered solicitation is amended as ust acknowledge receipt of this amendment pri- impleting Items 8 and 15, and returning d; or (c) By separate letter or telegram which in EIVED AT THE PLACE DESIGNATED FOR TH FFER. If by virtue of this amendment you desi makes reference to the solicitation and this ame OUNTING AND APPROPRIATION DATA (if re	Copies of the amendment; (b) By an Copies of the amendment; (b) By an cludes a reference to the solicitation and am IE RECEIPT OF OFFERS PRIOR TO THE to re to change an offer already submitted, suc andment, and is received prior to the opening equired)	tation or as amended, by one of the cknowledging receipt of this amenda rendment numbers, FAILURE OF Ye HOUR AND DATE SPECIFIED MAY h change may be made by telegram g hour and date specified.	following methods: nent on each copy of th OUR ACKNOWLEDGI ? RESULT IN REJECT or letter, provided eac	EMENT TO ION OF	Is not extended,
		13. THIS ITEM APPLIES ONLY TO MODI IT MODIFIES THE CONTRACT/ORDER				
	A. THIS CHANGE ORDER IS ISSUED PUR CONTRACT ORDER NO. IN ITEM 10A.	SUANT TO: (Specify authority) THE CHAN	GES SET FORTH IN ITEM 14 ARE	MADE IN THE		
	B. THE ABOVE NUMBERED CONTRACT/C appropriation date, etc.) SET FORTH IN ITEL			as changes in paying c	office,	
x	C. THIS SUPPLEMENTAL AGREEMENT IS Contract Clause H.16, Specia					
	d. OTHER (Specify type of modification and	authority)				
	RTANT: Contractor Is not,	X is required to sign this document ar		copies to the issuir	ng office.	• • • • • • • • • • • • • • • • • • • •
14. desc	ription of amendment/modification (Organized	by UCF section headings, including solicitati	on/contract subject matter where fea	asible.)		<u> </u>
1	he purpose of this Supple 4116, "Assess simplificati	emental Agreement is to on for a number of hardy	definitize Space Sta ware items sustaine	ation Change d on the Car	e Notice rgo Miss	(SSCN) ion Contract

(CMC)."

15A. NAME AND TITLE OF SIGNER (Type or print) Dan Wegner, Contracts Administrator	— ·	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer		
16B. CONTRACTOR/OFFEDOR (Signature of person authorized to sign)	16C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED	
NSN 7540-01-152-8070 V PREVIOUS EDITION UNUSABLE	-30 JSC MS Wo		STANDARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	Cost
117		Assess simplification for a number of hardware items sustained on the Cargo Mission Contract (CMC)	

B. Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.13 Sustained Hardware COTS Assessments, Packed WTB Launch Certification and AED Life Extension (SSCN 014116)

C. Section C, Statement of Work, is hereby updated to add the following:

6.13 Sustained Hardware COTS Assessments, Packed WTB Launch Certification and AED Life Extension (SSCN 014116)

The contractor shall perform the following:

- 1) Identify Commercial Off The Shelf (COTS) alternatives for the following by 1/9/2015:
 - a. Jettison Stowage Bags (JSBs) (P/N SEB13100134-306);
 - b. Redesigned Cargo Transfer Bags (RCTBs) (P/Ns SEG33122042-301, SEG33122043-301, SEG33122044-301, SEG33122045-301);
 - c. M-Bags (P/Ns SEG33117683-301, SEG33111805-301, SEG33111806-301).
- 2) Identify changes to the current JSB and RCTBs (all models) designs to decrease their cost per unit. Task includes creation of prototype re-designed bag drawings by 2/27/2015.
- Certify the Waste Transfer Bags (WTBs) (P/Ns SEG33124207-301, SEG33124208-301) for launch in a packed configuration (re-certification to include assessments for launch and landing on SpaceX and launch on ATV, HTV, and Cygnus) by 2/27/2015.
- 4) Identify lower cost than current hardware COTS options for mechanical pencils (P/Ns SED33102093-309 & -310), fanny packs (P/Ns SED12100665-301 & -302), tethers (P/N 528-20144-3) and helmet stowage bags (P/N SKD13101494-305) used by the crew and dry material collection using the Direct Current (DC) vacuum (P/N SEG39123308-302) by 1/16/2015.
- 5) Perform a feasibility study to determine how long the life of the current Auxiliary External Defibrillator (AED) units (P/N SEG52101600-301) can be extended by 2/27/2015.
- 6) Present results at the Vehicle Control Board (VCB) and Space Station Control Board (SSPCB) by 3/27/2015.
- D. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 14116, "Assess simplification for a number of hardware items sustained on the Cargo Mission Contract (CMC)," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

AMENDMENT OF SOLICITATION/ MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF P	AGES
2. AMENDMENT/MODIFICATION NO. Mod 118		3. EFFECTIVE DATE See Block 16C	4. REQUIS	SITION/PURCHASE REQ. NO. N/A	5. PROJEC	T NO. (II applic	able)
6. ISSUED BY	CODE	BG	7. ADMIN	STERED BY (If other than Ilem 6)	CODE	BG	
NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Attn: BG/Learon J. Comeaux Houston, TX 77058		2101 N Attn: B	Lyndon B. Johnson Space (ASA Parkway G/Sophia Mo n, TX 77058	Center			

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and ZIP Code)

Lockheed Martin Engineering Services Attn: Dan Wegner 2625 Bay Area Blvd Houston, TX 77058

CODE		FACILITY CODE				
	9A. AMENDMENT OF SOLICITATION NO.	9B. DATED (SEE ITEM 11)				
x	10A. MODIFICATION OF CONTRACT/ORDER NO. NNJ10GA35C	10B. DATED (SEE ITEM 13) 12/10/10				
	11. THIS ITEM ONLY APPLIES TO A	MENDMENTS OF SOLICITATIONS				
	he above numbered solicitation is amended as set forth in item 14. The hour and date spec rust acknowledge receipt of this amendment prior to the hour and date specified in the solici					
SUDMITTE BE REC YOUR C	(a) By completing items 8 and 15, and returning Copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offor submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter each or provided each telegram or letter, provided eac					
12. AC	COUNTING AND APPROPRIATION DATA (II required)					
	13. THIS ITEM APPLIES ONLY TO MOD IT MODIFIES THE CONTRACT/ORDE	FICATIONS OF CONTRACTS/ORDERS, R NO. AS DESCRIBED IN ITEM 14.(x)				
	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHAN CONTRACT ORDER NO. IN ITEM 10A.	GES SET FORTH IN ITEM 14 ARE MADE IN THE				
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE A appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY O					
x	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHOR Contract Clause H.16, Special Clause for Contract Change					
	d. OTHER (Specify type of modification and authority)					
E. IMP	DRTANT: Contractor is not, X is required to sign this document a	nd return1 copies to the issuing office.				

14. description of amendment/modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this Supplemental Agreement is to definitize Space Station Change Notice (SSCN) 14149, "Establish ground processing capability for the Waste and Hygiene Compartment (WHC) Wetted Components at the Kennedy Space Center (KSC)."

15A. NAME AND TITLE OF SIGNER (Type or print) Dan Wegner, Contracts Administrator	анан ан	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED	
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		105 ord (Aug 95)	STANDARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	Cost
118		Establish ground processing capability for the Waste and Hygiene Compartment (WHC) Wetted Components at the Kennedy Space Center (KSC)	

B. Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.14 Waste and Hygiene Compartment (WHC) Wetted Components Cargo Processing at the Kennedy Space Center (KSC) (SSCN 14149)

C. Section C, Statement of Work, is hereby updated to add the following:

6.14 Waste and Hygiene Compartment (WHC) Wetted Components Cargo Processing at the Kennedy Space Center (KSC) (SSCN 14149)

The contractor shall perform the packing and cargo integration process for the WHC wetted components hardware at the Kennedy Space Center (KSC) through September 30, 2016

D. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 14149, "Establish ground processing capability for the Waste and Hygiene Compartment (WHC) Wetted Components at the Kennedy Space Center (KSC)," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

	F SOLICITATION/ OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES
AMENDMENT/MODIFICATION NO. 119	3. EFFECTIVE DATE See Block 16C		SITION/PURCHASE REQ. NO. 4200533357	5. PROJE	CT NO. (If applicable)
ISSUED BY CODE		7. ADMIN	STERED BY (If other than Item 6)	CODE	
IASA Lyndon B. Johnson Space 101 NASA Parkway attn: BG/Learon Comeaux Iouston, TX 77058	Center	2101 N. Attn: BC	yndon B. Johnson Spac ASA Parkway G/Sophia Mo n, TX 77058	e Center	
NAME AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIF	Code)			
Lockheed Martin Integrated Syste Attn: Dan Wegner 2625 Bay Area Blvd Houston, TX 77058	ems, Inc.				
CODE		FACILITY	CODE		
9A. AMENDMENT OF SOLICITATION	N NO.	9B. DATE	D (SEE ITEM 11)		
10A. MODIFICATION OF CONTRAC NNJ10GA35C	T/ORDER NO.	10B. DAT 12/10/1	ED (SEE ITEM 13) O		
	THIS ITEM ONLY APPLIES T		NTS OF SOLICITATIONS		
submitted; or (c) By separate letter or telegram	which includes a reference to the s		LOUD AND DATE OFFICIED M	AY RESULT	IN REJECTION OF
BE RECEIVED AT THE PLACE DESIGNATED YOUR OFFER. If by virtue of this amendment or letter makes reference to the solicitation and 12. ACCOUNTING AND APPROPRIATION D	PFOR THE RECEIPT OF OFFERS you desire to change an offer alrea this amendment, and is received p ATA (If required) Increase fundi	prior to the openion by \$3,214	and the specified with the specified with the specified with the specified.	ATRESULT	IN REJECTION OF
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15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED	
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30-1 JSC MS Wo	05 STANDARD	FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

B.4 NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is
 (b) (4) This allotment is for cargo mission services and covers the following estimated period of performance: January 1, 2011 through <u>February 9, 2015</u>.
- (b) An additional amount of (0) (4) is obligated under this contract for payment of fee.

(End of clause)

B.5 FUNDING FOR FIXED-PRICE ITEMS PHASE-IN

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

The FP amount obligated and available for FP Milestone Payment for Phase-In is (b) (4)

The TOTAL FP amount obligated and available is

(End of clause)

B.6 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) ORDERS

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and modifications. The tasks may be dynamic in nature and may be performed in a teaming arrangement with the Government or other contractors.

IDIQ work will be ordered by the Government on a cost-reimbursement basis. The Government will issue a cost-reimbursement task order authorizing the contractor to perform all effort, or, alternatively, to define the overall requirements, performance standards, and specifications associated with the work. The Government will utilize the defined requirements, performance standards, and specifications delivered by the contractor to request a proposal for completion of the work. The negotiated proposal will form the basis for the Government to issue a cost reimbursement task order for this work.

ADMINISTRATION NASA SHARED SEI STENNIS SPACE C Urge	AUTICS AND SPACE Award Fee P RVICES CENTER ENTER, MS 39529-6000 ent - This Payment Must be Processed Imr cation and Send Form by E-mail to NSSC-AccountsPayable@r			
1. Contract Number:	2. Contractor Name:	3. Modification Number:		
NNJ10GA35C	Lockheed Marting Integrated Systems, Inc.	120		
4. Authorized Payment Amount:	5. NASA Center:			
(b) (4)	JSC - Johnson Space	e Center		
6. Center Point of Contact (POC)	:	7. Center POC Phone Number:		
Learon	n Comeaux/Contracting Officer	(281) 483-6525		
8. Comments:				

AMENDMENT OF SOLICITATION/ MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES		
2. AMENDMENT/MODIFICATION NO. Mod 120	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJE	CT NO. (If applicable)		
6. ISSUED BY CODE	BG	7. ADMINISTERED BY (If other than Item 6)	CODE	BG		
NASA Lyndon B. Johnson Space 2101 NASA Parkway Attn: BG/Learon J. Comeaux Houston, TX 77058	Center	NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Attn: BG/Sophia Mo Houston, TX 77058				
8. NAME AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP C	Code)				
Lockheed Martin Integrated Syste Attn: Dan Wegner 2625 Bay Area Blvd. Houston, TX 77058	ems, Inc.					
CODE 32RN8		FACILITY CODE				
9A. AMENDMENT OF SOLICITATION	N NO.	9B. DATED (SEE ITEM 11)				
X NNJ10GA35C	T/ORDER NO.	10B. DATED (SEE ITEM 13) 12/10/10				
. 11.	THIS ITEM ONLY APPLIES TO	AMENDMENTS OF SOLICITATIONS	- 1964) 			
(a) By completing Items 8 and 15, and submitted; or (c) By separate letter or telegram BE RECEIVED AT THE PLACE DESIGNATED	ment prior to the hour and date specif Copies of the amendment; (b which includes a reference to the soli FOR THE RECEIPT OF OFFERS Pi you desire to change an offer already this amendment, and is received prior	fied in the solicitation or as amended, by one of the) By acknowledging receipt of this amendment on icitation and amendment numbers. FAILURE OF X RIOR TO THE HOUR AND DATE SPECIFIED MA submitted, such change may be made by telegrar	each copy of YOUR ACKN Y RESULT IN	the offor OWLEDGEMENT TO NREJECTION OF		
		DIFICATIONS OF CONTRACTS/ORDERS, ER NO. AS DESCRIBED IN ITEM 14.(x)				
A. THIS CHANGE ORDER IS ISSUE CONTRACT ORDER NO. IN ITEM 10 B. THE ABOVE SUM AR CONTRACT	Α.	Y) THE CHANGES SET FORTH IN ITEM 14 ARE				
appropriation de 577 to 10	EDAWAR		HE	K		
C. THIS SUPPLEMENTAL AGREEM	ENT IS ENTERED INTO PURSUAN					
A. OTHER (Specify type of modification X Clause G.2 NFS 1852.216	on and authority) 5-76 Award Fee for Servio	ce Contracts (JUN 2000)				
E. IMPORTANT: Contractor X is not,	is required to sign this docum	nent and return copies to the is	suing office.			
14. description of amendment/modification (Or	ganized by UCF section headings, ind	cluding solicitation/contract subject matter where fe	easible.)			

The purpose of this modification is to recognize the award fee earned for evaluation Period 7. The Contractor will be paid (b) (4) based on this modification. The contractor is not to submit a voucher for earned award fee.

All other Terms and Conditions shall remain the same.

15A. NAME AND TITLE OF SIGNER (Type or pr	int)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer					
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERIÇA BY	16C. DATE				
(Signature of person authorized to sign)	-	(Signature of Contracting Officer)					
NSN 7540-01-152-8070	-	0-105 STAI	NDARD FORM 30 (Rev. 10-83)				

PREVIOUS EDITION UNUSABLE

Prescribed by GSA FAR (48 CFR) 53.243

1. The purpose of this modification is to recognize the award fee earned for evaluation Period 7, which was from April 1, 2014 through September 30, 2014. The FDO has determined that a score of 98 – Excellent has been earned for Period 7.

Period 7: Available	Award I	Fee Pool	i T	(b) (4)
Provisional Billing A	mount (8	0%)		\$ (/
Invoice No.	Month	14	Amt	AND A CONTRACTOR OF A DECISION
99	Apr	\$	o)(4)	
102	May	\$	•, (•,	
105	Jun	\$		
109	Jul	\$		
111	Aug	\$		
114	Sep	\$		
Sum of Provisional	Billings			\$ (D) (4
Balance				
Earned Fee Amount	t:		98%	\$
Earned Fee Modific	ation Am	ount		\$

2. <u>Section B.7 Award Fee</u>: B.7 has been updated to include the Award Fee earned for Period 7. As a result of this change, page B-5 is hereby attached.

CARGO MISSION CONTRACT

B.7 AWARD FEE

The amount of fee earned by the contractor shall be determined in accordance with Attachment J-5, Award Fee Evaluation Plan.

The amount of available and earned fee, by evaluation period, is provided in Table B-5 below:

Table B-5	Available and Earned	l Fee				
Basic	Evaluation Periods	Available Fee	Earned Fee	Score	Rating	AF Payment Mod
1	04/01/11 - 09/30/11	(h) (1)	(h) (A)	96	Excellent	Mod 20
2	10/01/11 - 03/31/12		(b) (4)	96	Excellent	Mod 35
3	04/01/12 - 09/30/12			97	Excellent	Mod 53
4	10/01/12 - 03/31/13	~		97	Excellent	Mod 67
5	04/01/13 - 09/30/13	-		98	Excellent	Mod 86
6	10/01/13 - 03/31/14			97	Excellent	Mod 101
	TOTAL					
Option 1	Evaluation Periods					
7	04/01/14 - 09/30/14			98	Excellent	Mod 120
8	10/01/14 - 03/31/15	~	\$ -			
Option 2	Evaluation Periods		\$ -			
9	04/01/15 - 09/30/15		\$ -			
10	10/01/15 - 03/31/16		\$ -			
Option 3	Evaluation Periods		\$ -			
11	04/01/16 - 09/30/16		\$ -			
12	10/01/16 - 03/31/17		\$ -			
Option 4	Evaluation Periods		\$ -			
13	04/01/17 - 09/30/17		\$ -			
14	10/01/17 - 03/31/18		\$ -			

(End of clause)

	ENT OF SOLICITATION/ ATION OF CONTRACT	1. CONTRACT ID CODE		PAGE OF PAGES			
2. AMENDMENT/MODIFICATION NO. Mod 121	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT	NO. (If applicable)			
6. ISSUED BY	CODE BG	7. ADMINISTERED BY (If other than Item 6) CODE BG					
NASA Lyndon B. Johnson Sp 2101 NASA Parkway Attn: BG/Learon J. Comeaux Houston, TX 77058	ace Center	NASA Lyndon B. Johnson Space (2101 NASA Parkway Attn: BG/Sophia Mo Houston, TX 77058	NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Attn: BG/Sophia Mo				
8. NAME AND ADDRESS OF CONTRACTO	OR (No., street, county, State, and ZIP Code)						
Lockheed Martin Engineering Attn: Dan Wegner 2625 Bay Area Blvd Houston, TX 77058	Services						
CODE		FACILITY CODE					
9A. AMENDMENT OF SOLICITA	TION NO.	9B. DATED (SEE ITEM 11)					
10A. MODIFICATION OF CONTE X NNJ10GA35C	RACT/ORDER NO.	10B. DATED (SEE ITEM 13) 12/10/10					
I	11. THIS ITEM ONLY APPLIES 1	O AMENDMENTS OF SOLICITATIONS					
Offers must acknowledge receipt of this ame (a) By completing Items 8 and 15, and return submitted; or (c) By separate letter or telegra BE RECEIVED AT THE PLACE DESIGNATI YOUR OFFER. If by virtue of this amendme	ing Copies of the amendment; (b) in which includes a reference to the solicitation and ED FOR THE RECEIPT OF OFFERS PRIOR TO T int you desire to change an offer already submitted and this amendment, and is received prior to the op	solicitation or as amended, by one of the following methods By acknowledging receipt of this amendment on each copy d amendment numbers. FAILURE OF YOUR ACKNOWLE 'HE HOUR AND DATE SPECIFIED MAY RESULT IN REJU , such change may be made by telegram or letter, provided	of the offor DGEMENT TO ECTION OF				
	13. THIS ITEM APPLIES ONLY TO M IT MODIFIES THE CONTRACT/OF	10DIFICATIONS OF CONTRACTS/ORDERS, RDER NO. AS DESCRIBED IN ITEM 14.(x)	2				
A. THIS CHANGE ORDER IS IS CONTRACT ORDER NO. IN ITEM		HANGES SET FORTH IN ITEM 14 ARE MADE IN THE	27 - 4547 - 13				
	NTRACT/ORDER IS MODIFIED TO REFLECT TH TH IN ITEM 14, PURSUANT TO THE AUTHORIT	IE ADMINISTRATIVE CHANGES (such as changes in payi Y OF FAR 43.103(b).	ing office,				
C. THIS SUPPLEMENTAL AGRE	EMENT IS ENTERED INTO PURSUANT TO AUT	HORITY OF:					
d. OTHER (Specify type of modified V Unilateral modification		thority FAR 52.242-15 (AUG 1989)(ALT	I)(APR 1984)			
E. IMPORTANT: Contractor	is not, is required to sign this docume	nt and return copies to the is	ssuing office.				
14. description of amendment/modification (Organized by UCF section headings, including soli	citation/contract subject matter where feasible.)					

.

The purpose of this modification is to issue a Stop-Work Order for items referenced on the continuation page

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (<i>Type or print</i>) Learon J. Comeaux, Contracting Officer				
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY	16C. DATE SIGNED			
(Signature of person authorized to sign)		(Signature of Contracting Officer)	1.1.91			
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		30-105 STA Word (Aug 95)	NDARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243			

Stop-Work Order Issuance

Consistent with FAR 52.242-15 (ALT I), "Stop-Work Order," the contractor is hereby directed to immediately stop work on the following task issued under Space Station Change Number (SSCN) 14116 that was executed in contract modification 117:

• Perform a feasibility study to determine how long the life of the current Auxiliary External Defibrillator (AED) units (P/N SEG52101600-301) can be extended by 2/27/2015.

The 90-Day Stop-Work Order period begins on the date in block 16C of this modification.

Upon receipt of this order, the contractor shall immediately comply with the terms of FAR 52.242-15. The contractor shall not issue any further orders or subcontracts for materials or services and shall take all reasonable steps to minimize the incurrence of all costs allocable to the work covered by the order during the period of work stoppage. Consistent with FAR 52.242-15, further direction will follow.

	OMB A	oproval No. 2700-0042				
AMENDMENT OF SOLICITATION/ MODIFICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES				
2. AMENDMENT/MODIFICATION NO. Mod 122 3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)				
6. ISSUED BY CODE BG	7. ADMINISTERED BY (If other than Item 6)	CODE BG				
NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Attn: BG/Learon J. Comeaux Houston, TX 77058	NASA Lyndon B. Johnson Space 2101 NASA Parkway Attn: BG/Sophia Mo Houston, TX 77058	Center				
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and ZIP C Lockheed Martin Corporation IS&GS Engineering Services Segment 700 N. Frederick Ave. Gaithersburg, MD 20879-3328	ade)					
CODE 9A. AMENDMENT OF SOLICITATION NO.	FACILITY CODE 9B. DATED (SEE ITEM 11)					
	B. DATED (SEE NEW 17)					
10A. MODIFICATION OF CONTRACT/ORDER NO. X NNJ10GA35C	10B. DATED (SEE ITEM 13) 12/10/10					
11. THIS ITEM ONLY APPLIES TO	AMENDMENTS OF SOLICITATIONS					
The above numbered solicitation is amended as set forth in Item 14. The hour Offers must acknowledge receipt of this amendment prior to the hour and date specil		xtended, is not extended. following methods:				
submitted; or (c) By separate letter or telegram which includes a reference to the soll BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PL YOUR OFFER. If by virtue of this amendment you desire to change an offer already or letter makes reference to the solicitation and this amendment, and is received price	RIOR TO THE HOUR AND DATE SPECIFIED MAY submitted, such change may be made by telegram	OUR ACKNOWLEDGEMENT TO				
12. ACCOUNTING AND APPROPRIATION DATA (If required) N/A						
	DIFICATIONS OF CONTRACTS/ORDERS, R NO. AS DESCRIBED IN ITEM 14.(x)	·				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority CONTRACT ORDER NO. IN ITEM 10A.	I) THE CHANGES SET FORTH IN ITEM 14 ARE N	ADE IN THE				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REF appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AL	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT	TO AUTHORITY OF:	N				
d. OTHER (Specify type of modification and authority) X MUTUAL AGREEMENT OF THE PARTIES						
E. IMPORTANT: Contractor is not, X is required to sign this docum	ent and return1 copies to the iss	suing office.				
14. description of amendment/modification (Organized by UCF section headings, inc	cluding solicitation/contract subject matter where fe	asibio.)				

(See Continuation Page)

15A. NAME AND TITLE OF SIGNER (Type or print) Dan V. Wegner, Contracts Negotiator, \$	Staff	18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer				
15B. CONTRACTOB/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED			
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30-1 JSC MS Wo		D FORM 30 (Rev 10-83) Prescribed by GSA FAR (48 CFR) 53.243			

- 1. The purpose of this Administrative Changes is to make changes to the contract. This modification constitutes a full and complete equitable adjustment for the parties for the changes identified in paragraph 2 below.
- 2. The DUNS number is changed from 805258373 to 147286269 and the Cage code number is changed from 77609 to 3VRH3.

		F SOLICITATION/ OF CONTRACT		1. CONTRACT ID CODE	<u></u>	PAGE OF PAGES
2. AMENDMENT	MODIFICATION NO.	3. EFFECTIVE DATE See Block 16C	4. REQL	IISITION/PURCHASE REQ. NO. 4200537780	5. PROJE	CT NO. (If applicable)
6. ISSUED BY	CODE		7. ADMI	NISTERED BY (If other than Item 6)	CODE	
NASA Lyndo	on B. Johnson Space	Center	NASA	Lyndon B. Johnson Space	Center	L
2101 NASA				IASA Parkway		
	aron Comeaux			G/Sophia Mo		
Houston, TX	. 77058		Houst	on, TX 77058		
8. NAME AND A	DDRESS OF CONTRACTOR	(No., street, county, State, and ZIP C	ode)		·	
IS&GS Engli Segment 70	artin Corporation neering Services 0 N. Frederick Ave. 9, MD 20879-3328				X	
CODE			FACILITY	CODE		
9A. AMI	ENDMENT OF SOLICITATION	V NO.	9B. DAT	ED (SEE ITEM 11)		
	DIFICATION OF CONTRACT	T/ORDER NO.	10B. DA 12/10/	тер <i>(see item 13)</i> 10		
I.	11.	THIS ITEM ONLY APPLIES TO		ENTS OF SOLICITATIONS		
submitted; or (c) I BE RECEIVED A YOUR OFFER. I or letter makes re	THE PLACE DESIGNATED f by virtue of this amendment ;	which includes a reference to the solic FOR THE RECEIPT OF OFFERS PF you desire to change an offer already this amendment, and is received prio	citation and NOR TO TH submitted, s to the open		YOUR ACKN Y RESULT IN	OWLEDGEMENT TO
<u></u>	13.	THIS ITEM APPLIES ONLY TO MOD MODIFIES THE CONTRACT/ORDE	IFICATION	S OF CONTRACTS/ORDERS,		
		D PURSUANT TO: (Specify authority		NGES SET FORTH IN ITEM 14 ARE	MADE IN THI	= \
		ACT/ORDER IS MODIFIED TO REF IN ITEM 14, PURSUANT TO THE AU		ADMINISTRATIVE CHANGES (such a DF FAR 43.103(b).	as changes in	paying office,
C. THIS	SUPPLEMENTAL AGREEM	ENT IS ENTERED INTO PURSUANT	TO AUTHO	DRITY OF:		
d. OTH X Contr	ER (Specify type of modification act Clauses I.1; 52.2;	on and authority) 32-22 Limitation of Funds (APR 19	84)		
E. IMPORTANT:	Contractor X is поt,	is required to sign this docum	ent and retu	rn copies to the is	suing office.	
14. description of	f amendment/modification (Or	ganized by UCF section headings, inc	luding solic	tation/contract subject matter where for	easible.)	
		See continuation	page fo	r more details.		

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Kelly L. Rubio, Contracting Officer
16B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	168 UNITED STATES OF AMERICA
(Signature of person authorized to sign)		(Signature Discontracting Officer)
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		-105 STANDARD FORM 30 (Rev. 10-83) /ord (Aug 95) Prescribed by GSA FAR (48 CFR) 53,243

.

The purpose of this modification is to incrementally fund the contract as follows:

This contract is funded by \$2,877,500.00, from \$99,673,310.63 to \$102,550,810.63.

1) Section B, Clause B.4 Contract Funding is deleted in its entirety and replaced with the following:

B.4CONTRACT FUNDING

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contraction of Funds clause. This allotment is for mission and program integration services and covers the following estimated period of performance: February 1, 2013 through <u>March 30, 2015</u>.
- (b) An additional amount descent and a solution obligated under this contract for payment of fee.

	AMENDMENT OF		1. CONTRACT ID CODE PAGE OF PAGES				
	MODIFICATION	The second se	1 2				
2. AME	NDMENT/MODIFICATION NO. Mod 125	3. EFFECTIVE DATE See Block 16C		ISITION/PURCHASE REQ. NO. N/A	5. PROJE	CT NO. (If applie	:able)
6. ISSU		BG	-	ISTERED BY (If other than Item 6)	CODE	BG	
	A Lyndon B. Johnson Space	Center		Lyndon B. Johnson Space	Center		
	NASA Parkway			IASA Parkway			
	BG/Kelly L. Rubio ton, TX 77058			G/Sophia Mo on, TX 77058			
	·			JII, TA 77050			
8. NAM	E AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP Co	ode)				
Lock	heed Martin Corporation						
	S Engineering Services Seg	ment					
	I. Frederick Ave.						
Gaith	ersburg, MD 20879-3328						
	· · · · · · · · · · · · · · · · · · ·						
CODE			FACILITY				
	9A. AMENDMENT OF SOLICITATION	I NO.	9B. DAT	ED (SEE ITEM 11)			
	10A. MODIFICATION OF CONTRACT		400 04	TED (SEE ITEM 13)			
X	NNJ10GA35C	IORDER NO.	12/10/				
	11.	THIS ITEM ONLY APPLIES TO		INTS OF SOLICITATIONS			
Т	he above numbered solicitation is amend			(rinner)	extended.	is not exte	
Offers n	nust acknowledge receipt of this amend	ment prior to the hour and date specifi	ed in the sol	citation or as amended, by one of the			reason.
(-) P							
	completing items 8 and 15, and ed; or (c) By separate letter or telegram v			edging receipt of this amendment on (TTO
BEREC	CEIVED AT THE PLACE DESIGNATED	FOR THE RECEIPT OF OFFERS PR	NOR TO TH	E HOUR AND DATE SPECIFIED MAY	RESULT IN	REJECTION O	F
YOUR	OFFER. If by virtue of this amendment y	ou desire to change an offer already s	aubmitted, su	ich change may be made by telegram	or letter, pro	vided each teleg	jrem
	makes reference to the solicitation and		to the open	na hour and date specified.			
12. AC	COUNTING AND APPROPRIATION DA	ATA (If required) NIA					
• • • • •		THIS ITEM APPLIES ONLY TO MOD					
	A. THIS CHANGE ORDER IS ISSUE	MODIFIES THE CONTRACT/ORDE					<u></u>
	CONTRACT ORDER NO. IN ITEM 10/) THE CHAN	GES SET FORTH IN TIEM 14 ARE N			
	B. THE ABOVE NUMBERED CONTR	ACT/ORDER IS MODIFIED TO REFL	ECT THE A	DMINISTRATIVE CHANGES (such a	s changes in i	oaving office.	<u> </u>
	appropriation date, etc.) SET FORTH I					and an	
	C. THIS SUPPLEMENTAL AGREEM	ENT IS ENTERED INTO PURSUANT	TO AUTHO	RITY OF:			
	d. OTHER (Specify type of modification	n and authority)					
X	MUTUAL AGREEMENT O	F THE PARTIES					
E. IMP(ORTANT: Contractor is not,	X Is required to sign this docum	ent and retu	m1copies to the iss	uing office.		
14. des	cription of amendment/modification (Org	anized by UCF section headings, incl	ludīna solicit	ation/contract subject matter where fe	esible.)		
			•	•			
		(See Continu	uation Pa	age)			
		1		¥ /			
				7			
15A. N/	AME AND TITLE OF SIGNER (Type or I	orint)	184 NA	ME AND TITLE OF CONTRACTING C	FEICER /The	ne or orinti	
	/. Wegner, Contracts Negoti			. Rubio, Contracting Office		oo or prim)	
						400 0100	
100 04	ONDRACTOR/OFFEROR	15C. DATE SIGNED	BY	TED STATES OF AMERICA)	16C. DATE SK	SNED
-	eine min	2.11.2015				2/1-	120.
	(Signature of person suthorized to sign)		1	(Signature of Contracting Officer)		1P	<u>paul</u>
	40-01-152-8070 DUS EDITION UNUSABLE		105 ord (Aug 95)		STANDARD I	FORM 30 (Rev. Prescribed b FAR (48 CFR) {	y GSÁ

The purpose of this modification is to make changes to the contract as follows:

1. Section F, Deliveries or Performance, F.3 Period of Performance, is hereby delete in its entirety and replace with the following (all changes are noted with strikethrough and underline):

F.3 PERIOD OF PERFORMANCE

The basic period of performance of this contract shall be from April 1, 2011, through <u>March 31, 2014March 31, 2015</u>. Task Orders placed prior to the expiration date of this contract shall remain in full force and effect until deliveries have been completed and payment has been made.

The periods of performance for the option years are as follows:

Option Year 1: April 1, 2014 through March 31, 2015 Option Year 2: April 1, 2015 through March 31, 2016 Option Year 3: April 1, 2016 through March 31, 2017 Option Year 4: April 1, 2017 through March 31, 2018

(End of clause)

2. Section I, Contract Clauses, I.1 Listing of Clauses Incorporated By Reference, is hereby revised and replace with the following (all changes are noted with strikethrough and underline):

52.217-9	MAR 2000	OPTION TO EXTEND THE TERM OF THE CONTRACT
		Insert: (a) 30 days <u>and 60 days</u> , (b) (c) 7 years

				1. CONTRACT ID CODE		PAGE OF	
2 AME	MODIFICATION NDMENT/MODIFICATION NO.	3. EFFECTIVE DATE		SITION/PURCHASE REQ. NO.			2
	Mod 126	See Block 16C		N/A	5. PROJEC		pplicable)
6. ISSU		BG		ISTERED BY (If other than Item 6)	CODE	BG	
	A Lyndon B. Johnson Space NASA Parkway	Center		Lyndon B. Johnson Space	Center		
	BG/Kelly L. Rubio			IASA Parkway G/Sophia Mo			
	ton, TX 77058			on, TX 77058			
a. NAN	E AND ADDRESS OF CONTRACTOR (No., street, county, State, and ZIP Coo	10)				
Lock	heed Martin Corporation						
	S Engineering Services Segr	nent					
	I. Frederick Ave.						
Gaith	ersburg, MD 20879-3328						
CODE			FACILITY	CODE			
	9A. AMENDMENT OF SOLICITATION	NO.	9B. DATE	D (SEE ITEM 11)			
~	10A. MODIFICATION OF CONTRACT/	ORDER NO.		ED (SEE ITEM 13)			
Х	NNJ10GA35C		12/10/1				
		THIS ITEM ONLY APPLIES TO A					
	he above numbered solicitation is amend nust acknowledge receipt of this amendm				extended,		extended.
Cildioi	met comoviedge receipt of this different			nation of as antended, by one of the id	Mowing menu	<i>J</i> ua.	
	completing Items 8 and 15, and			dging receipt of this amendment on ea			
	ed; or (c) By separate letter or telegram w						
	CEIVED AT THE PLACE DESIGNATED F OFFER. if by virtue of this amendment yo						
	makes reference to the solicitation and th						- grann
12. AC	COUNTING AND APPROPRIATION DA	TA (If required) N/A					
	13	THIS ITEM APPLIES ONLY TO MODI	FICATIONS				
		MODIFIES THE CONTRACT/ORDE					
	A. THIS CHANGE ORDER IS ISSUED		THE CHANG	SES SET FORTH IN ITEM 14 ARE MA	ADE IN THE		
	CONTRACT ORDER NO. IN ITEM 10A		OTTUE				
	B. THE ABOVE NUMBERED CONTRA appropriation date, etc.) SET FORTH IN				changes in pa	iying office,	
	C. THIS SUPPLEMENTAL AGREEME	NT IS ENTERED INTO PURSUANT T	OAUTHOR	ITYOF:			
x	d. OTHER (Specify type of modification MUTUAL AGREEMENT OF	THE PARTIES					
E. IMP	ORTANT: Contractor is not,	X is required to sign this docume	ant and retur	n 1 copies to the issu	uine office		
	cription of amendment/modification (Org	hourse a second se					
14, 000	construction of amendment/modification (Org.	anized by OCF section nettoings, inclu	ung solicital	lon/contract subject matter where teas	(IDIO.)		
		(See Continu	uation Pa	ae)			
		(000 0011110		90)			
				1			
	AME AND TITLE OF SIGNER (Type or pr /. Wegner, Contracts Negotia	-		E AND TITLE OF CONTRACTING O Rubio, Contracting Office		e or print)	
	INTRACTOB/QEFEROR	15C. DATE SIGNED		ED STATES OF AMERICA		16C DATE	SIGNED
(1) 8		BY		ノレ	2)
1	(Signature of person authorized to sign)	- 2.13.2015	-	(Sinno) up at Cantanalian Office	- P	-//3	3/201
	40-01-152-8070	30-1	05	(Signature of Contracting Officer)	TANDARD F	ORM 30 (P	ev 10-83)
	DUSEDITIONUNUSABLE	JSC MS Wo				Prescrib	ed by GSA
						FAR (48 CF	rk) 63.243

The purpose of this modification is to make changes to the contract as follows:

1. Section H, Special Contract Requirements, H. 5 NFS 1852.235-71 Key Personnel and Facilities (MAR 1989), is hereby delete in its entirety and replace with the following (all changes are noted with underline):

H.5 NFS 1852.235-71 KEY PERSONNEL AND FACILITIES (MAR 1989)

- (a) The personnel and/or facilities listed below (or specified in the contract Schedule) are considered essential to the work being performed under this contract. Before removing, replacing, or diverting any of the listed or specified personnel or facilities, the contractor shall (1) notify the Contracting Officer reasonably in advance, and (2) submit justification (including proposed substitutions) in sufficient detail to permit evaluation of the impact on this contract.
- (b) The contractor shall make no diversion without the Contracting Officer's written consent; provided that the Contracting Officer may ratify in writing the proposed change, and that ratification shall constitute the Contracting Officer's consent required by this clause.
- (c) The list of personnel and/or facilities (shown below or as specified in the contract schedule) may, with the consent of the contracting parties, be amended from time to time during the course of the contract to add or delete personnel and/or facilities.

<u>Jerry McDonald</u> - Program Manager <u>Michael Gerlach – Deputy Program Manager</u> (b) (4) – Business Manager (b) (4) – Alternate Business Manager (b) (4) – Safety and Mission Assurance

		SOLICITATION/ OF CONTRACT		1. CONTRACT ID CODE		P	AGE OF PAGES
2. Amen	IDMENT/MODIFICATION NO. Mod 127	3. EFFECTIVE DATE See Block 16C	4. REQUI	SITION/PURCHASE REQ. NO. N/A	5. P	ROJECT N). (If applicable)
6, ISSU	ED BY CODE	BG	7. ADMIN	STERED BY (If other than Item 6)) co	DE E	BG
2101 Attn: E	Lyndon B. Johnson Space Ce NASA Parkway 3G/Learon J. Comeaux on, TX 77058	nter	NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Attn: BG/Sophia Mo Houston, TX 77058				
8. NAME	AND ADDRESS OF CONTRACTOR (No., st	reet, county, State, and ZIP Coda)				-	
Attn: 2625	eed Martin Engineering Service Dan Wegner Bay Area Bivd on, TX 77058	95					
CODE	· · · · · · · · · · · · · · · · · · ·		FACILITY	CODE			·
	9A. AMENDMENT OF SOLICITATION NO.		98. DATE	D (SEE ITEM 11)	·		
x	10A. MODIFICATION OF CONTRACT/ORD NNJ10GA35C	ER NO.	10B. DAT 12/10/1	ED (SEE ITEM 13) 0			
I		11. THIS ITEM ONLY APPLIES TO A	MENDMEI	NTS OF SOLICITATIONS			
(a) By co submitte BE RECI YOUR O or letter r	e above numbered solicitation is amended as ust acknowledge receipt of this amendment pri mpleting items 8 and 15, and returning d; or (c) By separate letter or tetegram which in EIVED AT THE PLACE DESIGNATED FOR TH FFER. If by virtue of this amendment you des nakes reference to the solicitation and this am OUNTING AND APPROPRIATION DATA (<i>If r</i>	or to the hour and date specified in the solici Copies of the amendment; (b) By an coudes a reference to the solicitation and am HE RECEIPT OF OFFERS PRIOR TO THE I re to change an offer already submitted, suc andment, and is received prior to the opening	tation or as a cknowledging endment nur HOUR AND I h change ma	mended, by one of the following n I receipt of this amendment on eac Inbers. FAILURE OF YOUR ACKP DATE SPECIFIED MAY RESULT Iy be made by telegram or letter, p	ch copy of the offo NOWLEDGEMEN IN REJECTION O	r T TO F	Is not extended.
		13. THIS ITEM APPLIES ONLY TO MODI IT MODIFIES THE CONTRACT/ORDER	R NO. AS DE	SCRIBED IN ITEM 14.(x)			
	A. THIS CHANGE ORDER IS ISSUED PUR CONTRACT ORDER NO. IN ITEM 10A.	SUANT TO: (Specify authority) THE CHAN	GES SET FC	ORTH IN ITEM 14 ARE MADE IN 1	THE		
	B. THE ABOVE NUMBERED CONTRACT/ appropriation date, etc.) SET FORTH IN ITE				s in paying office,		
x	C. THIS SUPPLEMENTAL AGREEMENT IS Contract Clause H.16, Specia			Q Task Orders			••••••
	d. OTHER (Specify type of modification and	authority)					· · · · ·
E. IMPC	E. IMPORTANT: Contractor is not, X is required to sign this document and return 1 copies to the issuing office.						
Т	4. description of amendment/modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The purpose of this Supplemental Agreement is to definitize Space Station Change Notice (SSCN) 14392, "Vehicle Office Orb-3 Anomaly Replacement Hardware."						

15A. NAME AND TITLE OF SIGNER (Type or print) Dan Wegner, Contracts Administrator	the bidderes ^a ndes	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer		
158-GONJRACTOR/OFFEROR (Signature of perion alythorized to sign)	15C. DATE SIGNED 2.6.2015	16B, UNITED STATES OF AMERICA BY Leason Company (Signature of Contracting Officer)	16C. DATE SIGNED 2/6/2015	
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30- JSC MS Wo		DARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	Cost
127		Vehicle Office Orb-3 Anomaly Replacement Hardware	

B. Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.19 Vehicle Office Orb-3 Anomaly Replacement Hardware (SSCN 14392)

C. Section C, Statement of Work, is hereby updated to add the following:

6.19 Vehicle Office Orb-3 Anomaly Replacement Hardware (SSCN 14392)

The contractor shall perform the following task:

- Provide twenty Automated External Defibrillator (AED) batteries (via DD1149) to NASA for lot qualification and acceptance testing by 5/18/2015. All batteries not subjected to safety abuse testing will be returned to the contractor by 6/19/2015.
- D. Section J, Attachment J-16, Deliverable Items List, is hereby revised to add the following:

NO	CHANGE NUMBER	PART NUMBER	SERIAL NUMBER	LM ID NO*	NOMENCLATURE	QTY	UNIT	DD250 DATE
92	14392	SEG52101601- 301	TBD	CMC0493	AED Battery	9	Each	7/3/2015

E. Section J, Attachment J-18, Government Furnished Data, is hereby updated to include the following:

NASA RESP	RESP Team	LM RESP	Unique ID	Nomenclature	FLT No.	Need Date
Judy Jeevarajan	EP	Brad Henry		AED Battery Test Report (SSCN 14392)	NFS	7/3/2015 ¹

¹ Assumes the hardware is provided by, and NASA facilities are available to test by, 5/18/2015 (facility availability not committed by NASA) and NASA is allowed 30 days to complete testing and compile a report.

F. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 14392, "Vehicle Office Orb-3 Anomaly Replacement Hardware," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

		F SOLICITATION/ OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES	
2. AME	NDMENT/MODIFICATION NO. Mod 129 R1	3. EFFECTIVE DATE See Block 16C	4. REQUI	DITION/PURCHASE REQ. NO.	5. PROJEC	CT NO. (If applicable)	
6. ISSL	ED BY CODE	BG	7. ADMINI	STERED BY (If other than Item 6)	CODE	BG	
2101 Attn:	A Lyndon B. Johnson Space Ce NASA Parkway BG/Learon J. Comeaux ton, TX 77058	nter	NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Attn: BG/Kathryn Taylor Houston, TX 77058				
8. NAM	E AND ADDRESS OF CONTRACTOR (No., st	reel, county, State, and ZIP Code)					
Attn: 2625	need Martin Engineering Service Dan V. Wegner Bay Area Blvd ton, TX 77058	98					
CODE		· · · · · · · · · · · · · · · · · · ·	FACILITY	CODE			
	9A. AMENDMENT OF SOLICITATION NO.		98. DATE	D (SEE ITEM 11)			
x	10A. MODIFICATION OF CONTRACT/ORE	ER NO.	108. DATI 12/10/1	ed (see item 13) 0			
	· · · · · · · · · · · · · · · · · · ·	11. THIS ITEM ONLY APPLIES TO	AMENDMEN	ITS OF SOLICITATIONS			
Offers n (a) By c submitte	he above numbered solicitation is amended as nust acknowledge receipt of this amendment pri pompleting items 8 and 15, and returning id; or (c) By separate letter or telegram which ir	or to the hour and date specified in the solic Copies of the amendment; (b) By a includes a reference to the solicitation and ar	itation or as a acknowledging nendment num	mended, by one of the following methods receipt of this amendment on each copy bers. FAILURE OF YOUR ACKNOWLE	of the offor DGEMENT TO	is not extended.	
	EIVED AT THE PLACE DESIGNATED FOR THE						
	OFFER. If by virtue of this amendment you des makes reference to the solicitation and this am				l each telegram		
	COUNTING AND APPROPRIATION DATA (If r		<u> </u>				
		13. THIS ITEM APPLIES ONLY TO MOD IT MODIFIES THE CONTRACT/ORDE	R NO. AS DE	SCRIBED IN ITEM 14.(x)			
·	A. THIS CHANGE ORDER IS ISSUED PUR CONTRACT ORDER NO. IN ITEM 10A.	SUANT TO: (Specify authority) THE CHAN	iges set fo	RTH IN ITEM 14 ARE MADE IN THE			
	B. THE ABOVE NUMBERED CONTRACT/ appropriation date, etc.) SET FORTH IN ITE	M 14, PURSUANT TO THE AUTHORITY O	F FAR 43.103	IVE CHANGES (such as changes in pay (b).	ing office,		
х	C. THIS SUPPLEMENTAL AGREEMENT IS Contract Clause H.16, Specia			Q Task Orders			
	d. OTHER (Specify type of modification and	aulhority)					
E. IMPO	DRTANT: Contractor is not,	X is required to sign this document a	nd return	1 copies to the is	ssuing office.		
14. des	cription of amendment/modification (Organized	by UCF section headings, including solicita	tion/contract s	ubject matter where feasible.)			

The purpose of this Supplemental Agreement is to definitize Space Station Change Notice (SSCN) 14340 R1, "Certify, build and deliver various cables for the International Space Station (ISS)"

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15A. NAME AND TITLE OF SIGNER (Type or print) Dan V. Wegner, Contracts Negotiator, St	aff	16A. NAME AND TITLE OF CONTRACTING OFFICER Learon J. Comeaux, Contracting Offic	
(Signature of person authorized to sign)	15C. DATE SIGNED 9.15.2015	16B. UNITED STATES OF AMERICA BY (Signalure of Contracting Officer)	16C. DATE SIGNED
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		-105 ord (Aug 95)	STANDARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

post DD250 of hardware

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	Cost
129 R1		Certify, build and deliver various cables for the International Space Station (ISS	(b) (4)

B. Section C, Statement of Work, is hereby updated to add the following:

6.22 Certify, build and deliver various cables for the International Space Station (ISS) (SSCN 14340)

The contractor shall perform the following:

27

- Transition sustaining engineering from NASA of the Cable Assembly, Power Cable, Mace, part • number SEG46117493-301, by May 29, 2015
- Provide Class III AC Power W-Cable to White Sands Test Facility (via DD1149) by February 16, • 2015 for flammability testing
- Provide Class III RS-422 Adapter Data Cable to NASA (via DD1149) by February 6, 2015 for • Electromagnetic Interface (EMI) testing
- Provide guantity 1 Class III Common Communications for Visiting Vehicles (C2V2) J7 V-. Cable to NASA (via DD1149) by September 10, 2015 for functional testing.

TBD

C. Section J, Attachment J-9, Hardware List, is hereby updated to add the following:

TABLE 1	.1-C CABLES		
ltem Number	Description	Drawing/Part Number	Sustain
			Sustaining shall begin

D. Section J. Attachment J-16, Deliverable Items List, is hereby updated to add the following:

NO	Change Number	Part Number	Serial Number	LM ID NO*	Nomenclature	QTY	Unit	DD250 Date	Actual Delivery Date	Remarks
109	14340 R1	TBD	TBD	CMC 0527	C2V2 J7 Y-Cable	1	Each	12/11/2015		

E. Section J. Attachment J-19, Government Furnished Equipment, is hereby updated to add the following:

Section J, Attachment J-19, Government Furnished Equipment

C2V2 J7 Y-Cable

NASA RESP	RESP TEAM	LM RESP	UNIQUE ID	NOMENCLATURE	QTY		NEED DATE
Angela Olstad	a())) i	Stephen Martin		C2V2 J7 Y-Cable materials SpX8	1	NFS	9/10/2015

F. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 14340 R1, "Certify, build and deliver various cables for the International Space Station (ISS)," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

	AMENDMENT OF MODIFICATION		1. CONTRACT ID CODE		PAGE OF PAGES		
2. AMEN	IDMENT/MODIFICATION NO. Mod 130	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJEC	T NO. (If applicable)		
6. ISSU	ED BY CODE	BG	7. ADMINISTERED BY (If other than Item 6)	CODE	BG		
2101 Attn: E	Lyndon B. Johnson Space Cei NASA Parkway 3G/Learon J. Comeaux on, TX 77058	nter	NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Attn: BG/Sophia Mo Houston, TX 77058				
Lockh	e AND ADDRESS OF CONTRACTOR (No., sil eed Martin Engineering Service Dan Wegner						
2625	Bay Area Blvd on, TX 77058						
CODE		······································	FACILITY CODE		• • •		
	9A. AMENDMENT OF SOLICITATION NO.		98. DATED (SEE ITEM 11)				
х	10A. MODIFICATION OF CONTRACT/ORD NNJ10GA35C	ER NO.	10B. DATED (SEE ITEM 13) 12/10/10				
		11. THIS ITEM ONLY APPLIES TO A	AMENDMENTS OF SOLICITATIONS				
(a) By co submitte BE REC YOUR C or letter i	mpleting items 8 and 15, and returning d; or (c) By separate letter or telegram which in EIVED AT THE PLACE DESIGNATED FOR TA	Copies of the amendment; (b) By a coudes a reference to the solicitation and amend and HE RECEIPT OF OFFERS PRIOR TO THE ire to change an offer already submitted, such endment, and is received prior to the openin	itation or as amended, by one of the following m cknowledging receipt of this amendment on eac nendment numbers. FAILURE OF YOUR ACKN HOUR AND DATE SPECIFIED MAY RESULT II ch change may be made by telegram or letter, pr ig hour and date specified.	h copy of the offor IOWLEDGEMENT TO N REJECTION OF			
		13. THIS ITEM APPLIES ONLY TO MOD IT MODIFIES THE CONTRACT/ORDE	IFICATIONS OF CONTRACTS/ORDERS,	-			
	A. THIS CHANGE ORDER IS ISSUED PUR CONTRACT ORDER NO. IN ITEM 10A.		IGES SET FORTH IN ITEM 14 ARE MADE IN T	HE			
	B. THE ABOVE NUMBERED CONTRACT/ appropriation date, etc.) SET FORTH IN ITE		DMINISTRATIVE CHANGES (such as changes F FAR 43.103(b).	In paying office,			
x	C. THIS SUPPLEMENTAL AGREEMENT IS Contract Clause H.16, Specia						
	d. OTHER (Specify type of modification and	l euthority)					
	ORYANT: Contractor is not,	X Is required to sign this document a		to the issuing office.			
ך 1		emental Agreement is to	e definitize Space Station C ration Kynar bags for Inter				

15A. NAME AND TITLE OF SIGNER (Type or print) Dan Wegner, Contracts Administrator		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer	
15B. CONTRACTORIOFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED 2.11.2015	16B. UNITED STATES OF AMERICA, BY Learon Omeany (Signature of Contracting Officer)	16C. DATE SIGNED 2/11/2015
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30-105 STAN JSC MS Word (Aug 95)		ARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 63.243

Modification #	Mod Date	Description	Cost
130		Certify, procure and deliver Second Generation Kynar bags for International Space Station (ISS)	

B. Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.16 Sustaining of Kynar Bags (SSCN 14209, Certify, sustain and deliver Second Generation Kynar bags for International Space Station (ISS) use)

C. Section C, Statement of Work, is hereby updated to add the following:

6.16 Sustaining of Kynar Bags (SSCN 14209, Certify, sustain and deliver Second Generation Kynar bags for International Space Station (ISS) use)

The contractor shall perform the following tasks:

- Revise the Kynar bag engineering drawing to add Velcro to the bags in a location to facilitate temporary storage during on orbit operation and deliver (via DD1149) modified bags by September 22, 2017 as follows:
 - o Quantity 5000, size 4" X 4"
 - o Quantity 5000, size 8" X 8"
 - o Quantity 5000, size 12" X 12"
- Release new drawings to the Engineering Drawing Control Center (EDCC) by June 30, 2015.
- Transition sustaining engineering of the Kynar bags from NASA by April 27, 2015.
- D. Section J, Attachment J-9, Hardware List, is hereby updated to add the following:

TABLE 1.1-A STOWAGE ACCOMMODATIONS

Item Number	Description	Drawing/Part Number	Sustain
40	Bag, KYNAR, 4X4	0000-313836-02	Sustaining shall begin on 4/27/15
41	Bag, KYNAR, 8X8	0000-313836-04	Sustaining shall begin on 4/27/15
42	Bag, KYNAR, 12X12	0000-313836-06	Sustaining shall begin on 4/27/15

E. Section J, Attachment J-18, Government Furnished Data, is hereby updated to add the following:

NASA RESP	RESP Team	LM RESP	Unique ID	Nomenclature	FLT No.	Need Date
Brien Johnson	EA	Tim Gadd		Kynar Bag Vendor Drawing from ILC Dover (SSCN 14209)	TBD	4/06/2015
Brien Johnson	EA	Tim Gadd		Kynar Bag Certification Documentation	TBD	3/27/2015

F. Section J, Attachment J-19, Government Furnished Equipment, is hereby updated to add the following:

NASA RESP	RESP Team	LM RESP	Unique ID	Nomenclature	FLT No.	Need Date
Brien Johnson	EA	Tim Gadd		Delivery of 15,000 Kynar Bags from Wyle Bond to CMC2 (SSCN 14209)	TBD	3/27/2015

G. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 14209, "Certify, procure and deliver Second Generation Kynar bags for International Space Station (ISS)," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

		SOLICITATION	·	1. CONTRACT ID (PAGE OF P		
		OF CONTRACT					1	2	
2. AME	NDMENT/MODIFICATION NO. Mod 131	3. EFFECTIVE DATE See Block 16C	4. REQUI	SITION/PURCHASE RI	EQ. NO.	5. PROJEC	T NO. (If applic	able)	
6. ISSU	ED BY CODE	BG	7. ADMIN	STERED BY (If other t	han Item 6)	CODE	BG	·	
NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Attn: BG/Learon J. Comeaux Houston, TX 77058				NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Attn: BG/Sophia Mo Houston, TX 77058					
Locki Attn: 2625	E AND ADDRESS OF CONTRACTOR (No., si leed Martin Engineering Service Dan Wegner Bay Area Blvd con, TX 77058	, , , , , , , , , , , , , , , , , , ,							
CODE			FACILITY	CODE		-		·	
	9A. AMENDMENT OF SOLICITATION NO.		9B. DATE	D (SEE ITEM 11)					
х	10A. MODIFICATION OF CONTRACT/ORDER NO. 10B. DATED (SEE ITEM 13) X NNJ10GA35C 12/10/10								
		11. THIS ITEM ONLY APPLIES TO A		ITS OF SOLICITAT	IONS				
Offers m (a) By co submitte BE REC YOUR C or letter n	te above numbered soliditation is amended as a ust acknowledge receipt of this amendment prior moleting items 8 and 15, and returning d; or (c) By separate letter or telegram which in EIVED AT THE PLACE DESIGNATED FOR TH FFER. If by virtue of this amendment you desi makes reference to the soliditation and this ame OUNTING AND APPROPRIATION DATA (<i>if re</i>	To the hour and date specified in the solid Copies of the amendment; (b) By an cludes a reference to the solicitation and am IE RECEIPT OF OFFERS PRIOR TO THE I to change an offer already submitted, suc indment, and is received prior to the opening quired)	tation or as a cknowledging lendment nun HOUR AND E h change ma g hour and da	nended, by one of the l receipt of this amendm Ibers. FAILURE OF YO MTE SPECIFIED MAY / be made by telegram te specified.	iollowing methods: ent on each copy of I DUR ACKNOWLEDG RESULT IN REJECT or letter, provided eac	EMENT TO	Is not ex	dended.	
		13. THIS ITEM APPLIES ONLY TO MODI IT MODIFIES THE CONTRACT/ORDER							
	A. THIS CHANGE ORDER IS ISSUED PUR CONTRACT ORDER NO. IN ITEM 10A.	SUANT TO: (Specify authority) THE CHAN	ges set fo	RTH IN ITEM 14 ARE I	ADE IN THE				
	B. THE ABOVE NUMBERED CONTRACT/O appropriation date, etc.) SET FORTH IN ITEM				s changes in paying o	office,			
x	C. THIS SUPPLEMENTAL AGREEMENT IS Contract Clause H.16, Special	ENTERED INTO PURSUANT TO AUTHOR Clause for Contract Changes	RITY OF: s and IDI	Q Task Orders					
	d. OTHER (Specify type of modification and	sulhorly)							
E. IMPÓ	E. IMPORTANT: Contractor is not, X is required to sign this document and return 1 copies to the Issuing office.								
14. desc	ription of amendment/modification (Organized I	y UCF section headings, including solicitati	on/contract st	ıbject matter where fea	sible.)			.	
Т 1	he purpose of this Supple 4198, "Develop and imple	mental Agreement is to ment an electronic Labe	definitiz eling Pro	e Space Sta ocess"	tion Change	e Notice	(SSCN)		

15A. NAME AND TITLE OF SIGNER (Type or print) Dan Wegner, Contracts Administrator	···· ··· ··· ··· ··· ···	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer			
15B. CONTRACTORIOSPEROR (Signature of person authorized to sign)	15C. DATE SIGNED 2.20.2015	16B. UNITED STATES OF AMERICA BY Learon Comeany (Signature of Contracting Officer)	16C. DATE SIGNED 2/20/2015		
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30- JSC MS Wo		IDARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243		

Modification #	Mod Date	Description	Cost
131		Develop and implement an electronic Labeling Process	

B. Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.18 Develop and implement an electronic Labeling Process (SSCN 14198)

C. Section C, Statement of Work, is hereby updated to add the following:

6.18 Develop and implement an electronic Labeling Process (SSCN 14198)

The contractor shall develop (by October 28, 2015) and sustain a single web based application to streamline the hardware labeling process and encompass all phases of the process including:

- Human Factors Implementation Team (HFIT) requirement pre-coordination;
- Flight Crew Integration (FCI)/ISS Payload Label Approval Team (IPLAT) label approval process;
- Operations Nomenclature approval process;
- Inventory Management System (IMS)/Barcode Inventory Tracking System (BITS);
- Toxicology code accessibility;
- Label order to Decal Design and Production Facility (DDPF);
- Shipment to hardware providers

The application shall at a minimum:

- Maintain historical records;
- Provide a work flow system for approval through all required organizations;
- Provide a single dashboard for all decal and label needs;
- Provide single entry capability for the same data (i.e., automatic data population);
- Provide the International Partners/Participants access to generate label requests;
- Lead and facilitate non-frequent or first time users through the label request process
- D. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 14198, "Develop and implement an electronic Labeling Process," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

6. ISSUED BY NASA Lync 2101 NASA Attn: BG/Le Houston, T 8. NAME AND A Lockheed N 2625 Bay A Houston, T CODE BA. A 10A. I X 10A. I NNJ The above Offers must ackr (a) By completin submitted; or (c) BE RECEIVED A YOUR OFFER. or leitter makes ro 12. ACCOUNTI	e numbered solicitation is amended as	treet, county, State, and ZIP Code)	FACILITY O 98. DATE 108. DATE 108. DATE	D (SEE ITEM 11) ED (SEE ITEM 13) O	CODE	CT NO. (If applica
NASA Lync 2101 NASA Attn: BG/Le Houston, T B. NAME AND A Lockheed M Attn: Dan M 2625 Bay A Houston, T CODE BA. A 10A. I NNJ The above Offers must ackr (a) By completin submitted; or (c) BE RECEIVED A YOUR OFFER. or leiter makes ro 12. ACCOUNTIL	don B. Johnson Space Ce A Parkway saron J. Comeaux X 77058 ADDRESS OF CONTRACTOR (No., s Martin Engineering Servic Wegner Area Blvd X 77058 MENDMENT OF SOLICITATION NO. MODIFICATION OF CONTRACT/OR J10GA35C	DER NO.	FACILITY 9B. DATE 10B. DATE 12/10/1	Lyndon B. Johnson Space ASA Parkway G/Sophia Mo n, TX 77058 CODE D (SEE ITEM 11) ED (SEE ITEM 13) 0		BG
2101 NASA Attn: BG/Le Houston, T 8. NAME AND A Lockheed M Attn: Dan M 2625 Bay A Houston, T CODE 9A. A 10A. X NNJ The above Offers must ackr (a) By completin submitted; or (c) BE RECEIVED A YOUR OFFER. or leiter makes r 12. ACCOUNTIN	A Parkway saron J. Comeaux X 77058 ADDRESS OF CONTRACTOR (No., s Martin Engineering Servic Wegner Area Blvd X 77058 MENDMENT OF SOLICITATION NO. MODIFICATION OF CONTRACT/OR 110GA35C	treet, county, State, and ZIP Code)	2101 N. Attn: BC Houston FACILITY 0B. DATE 10B. DATE 12/10/1 TO AMENDMEN	ASA Parkway G/Sophia Mo n, TX 77058 CODE D (SEE ITEM 11) ED (SEE ITEM 13) 0	Center	
Lockheed M Attn: Dan M 2625 Bay A Houston, T CODE 9A. A 10A. A 10A. X NNJ The above Offers must ackr (a) By completin submitted; or (c) BE RECEIVED A YOUR OFFER. or letter makes r 12. ACCOUNTI	Martin Engineering Servic Wegner Area Blvd X 77058 MENDMENT OF SOLICITATION NO. MODIFICATION OF CONTRACT/OR 110GA35C	DER NO. 11. THIS ITEM ONLY APPLIES a set forth In Item 14. The hour and date	98. DATE 108. DATE 12/10/1 TO AMENDMEN	D (SEE ITEM 11) ED (SEE ITEM 13) O		
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	AT THE PLACE DESIGNATED FOR T If by virtue of this amendment you de	includes a reference to the solicitation an THE RECEIPT OF OFFERS PRIOR TO stre to change an offer already submitted nendment, and is received prior to the op	solicitation or as an By acknowledging nd amendment num THE HOUR AND C J, such change may	mended, by one of the following method I receipt of this amendment on each cop Inbers. FAILURE OF YOUR ACKNOWL DATE SPECIFIED MAY RESULT IN RE Iy be made by telegram or letter, provide	y of the offor EDGEMENT TO JECTION OF	is not exi
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A TL		13. THIS ITEM APPLIES ONLY TO M IT MODIFIES THE CONTRACT/O	RDER NO. AS DE	SCRIBED IN ITEM 14.(x)		
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		/ORDER IS MODIFIED TO REFLECT TH EM 14, PURSUANT TO THE AUTHORIT			ying office,	
		IS ENTERED INTO PURSUANT TO AUT al Clause for Contract Char		Q Task Orders		
d. 01	THER (Specify type of modification an	d authority)				
E. IMPORTANT	F: Contractor is not,	is required to sign this docume		·	Issuing office.	
The p	·····	d by UCF section headings, including sol		ubject matter where feasible.) ze Space Station Cha	nge Notice) Commor	

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15A. NAME AND TITLE OF SIGNER (Type or print) Dan Wegner, Contracts Administrator		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED 2.25.2015	16B. UNITED STATES OF AMERICA BY Learon Company (Signature of Contracting Officer)	16C, DATE SIGNED 2/26/2015		
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE			STANDARD FORM 30 (Rev. 10-63) Prescribed by GSA FAR (48 CFR) 53.243		

Modification #	Mod Date	Description	Cost
132		Perform Sustaining Engineering of the International Space Station (ISS) Common Communications for Visiting Vehicle (C2V2)	

B. Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.15 Perform Sustaining Engineering of the International Space Station (ISS) Common Communication for Visiting Vehicle (C2V2) (SSCN 14063)

C. Section C, Statement of Work, is hereby updated to add the following:

6.15 Perform Sustaining Engineering of the International Space Station (ISS) Common Communication for Visiting Vehicle (C2V2) (SSCN 14063)

- 1) The contractor shall participate in mission operation activities related to the initial installation of the antenna including review of and input to installation procedures, real-time operations support to address technical questions and issues during deployment, and post-mission anomaly resolution.
- 2) The contractor shall transition sustaining engineering for the following hardware to the Vehicle Sustaining Engineering Contract by March 31, 2015:

Component Name	Component Number	Quantity
Antenna Upper Boom Assembly, CAA	SEG16104178-301	1
Antenna Lower Boom Assembly, CAA	SEG16104180-301	1
Active WIF Probe Assembly, CAA	SEG16104177-301	2
Antenna Panel Assembly, CAA	SEG16104179-301	5
Antenna Upper Boom Assembly, CAA	SEG16104178-303	1
Antenna Panel Assembly, CAA (FEU)	SEG16104179-301	2
Cable Assembly, Coax, GSE, CAA	SEG16104197-301	1
Antenna Test Hat Coupler	827529-001	2
Clamp Down Bracket Assembly, CAA	SEG16104183-301	1

D. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 14063, "Perform Sustaining Engineering of the International Space Station (ISS) Common Communications for Visiting Vehicle (C2V2)," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

AMENDMENT OF SOLICITATION/ MODIFICATION OF CONTRACT				1. CONTRACT ID CODE			PAGE OF PAGES	
2. AMEI	NDMENT/MODIFICATION NO. Mod 133	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 5. PROJECT NO. (If app N/A			T NO. (if applicable)		
6. ISSU	ED 8Y CODE	BG	7. ADMIN	STERED BY (If other Ih	an llem 6)	CODE	BG	
NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Attn: BG/Learon J. Comeaux Houston, TX 77058			NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Attn: BG/Sophia Mo Houston, TX 77058					
Lockh Attn: 2625	8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and ZIP Code) Lockheed Martin Engineering Services Attn: Dan Wegner 2625 Bay Area Blvd Houston, TX 77058							
CODE			FACILITY	CODE				
	9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11)							
10A. MODIFICATION OF CONTRACT/ORDER NO. 10B. DATED (SEE ITEM 13) X NNJ10GA35C 12/10/10								
		11. THIS ITEM ONLY APPLIES TO A	MENDMEN	ITS OF SOLICITATI	SNC			
(a) By co submitte BE REC YOUR C or letter	The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning Copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offor submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment, and is received prior to the opening hour and date specified. 12. ACCOUNTING AND APPROPRIATION DATA (<i>II required</i>)							
		13. THIS ITEM APPLIES ONLY TO MODI IT MODIFIES THE CONTRACT/ORDER						
	A. THIS CHANGE ORDER IS ISSUED PUR CONTRACT ORDER NO. IN ITEM 10A.	SUANT TO: (Specify authority) THE CHAN	GES SET FO	RTH IN ITEM 14 ARE N	Ade in the			
	B. THE ABOVE NUMBERED CONTRACT/C appropriation date, etc.) SET FORTH IN ITE			•	changes in paying	office,		
x	C. THIS SUPPLEMENTAL AGREEMENT IS Contract Clause H.16, Specia			Q Task Orders				
	d. OTHER (Specify type of modification and	authority)						
E. IMPC	ORTANT: Contractor is not,	X Is required to sign this document ar	nd return	1	coples to the Issu	ling office.		
Т	The purpose of this Supple 4182, "Procure and manu	emental Agreement is to	definiti	ze Space Sta	tion Chang		(SSCN)	

15A. NAME AND TITLE OF SIGNER (Type or print) Dan Wegner, Contracts Administrator		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or p Learon J. Comeaux, Contracting Officer	rint)
15B-CONNACTORIOFFERDR	15C. DATE SIGNED 2.20.2015	16B. UNITED STATES OF AMERICA BY Learon Comeany	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	2/20/2015
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30 JSC MS Wo		ARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

Modification #	Mod Date	Description	Cost
133		Procure and manufacture replacement	
100		hardware for the Cargo Mission Contract	

B. Section J, Attachment J-16, Deliverable Items List, is hereby updated to add the following:

NO	CHANGE NUMBER	PART NUMBER	SERIAL NUMBER	LM ID NO*	NOMENCLATURE	QTY	UNIT	DD250 DATE
97	14182	KLSH320068- 301	TBD	CMC0476	Pouch Assembly, Crew Contamination Protection Kit	2	Each	11/11/2015
98	14182	SED12100656- 301	TBD	CMC0477	Emesis Bags	140	Each	8/11/2016
99	14182	528-20144-3	TBD	CMC0478	Crewmember Tether Accessory	21	Each	4/10/2015
100	14182	SEG33123364- 303	TBD	CMC0479	Loctite Primer	5	Each	5/21/2015
101	14182	SEG33123364- 303	TBD	CMC0480	Loctite Primer	5	Each	8/11/2017
102	14182	SEG33123364- 302	TBD	CMC0481	Loctite Stick	5	Each	5/12/2015
103	14182	SEG33123364- 302	TBD	CMC0482	Loctite Stick	5	Each	8/11/2017
104	14182	SDG33114990- 801	TBD	CMC0483	N2 Cartridges	125	Each	5/12/2015
105	14182	SEZ33122496- 302	TBD	CMC0484	Flashlights	54	Each	5/12/2015
106	14182	SZ33103989- 302	TBD	CMC0485	Headlamps	70	Each	5/12/2015

C. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 14182, "Procure and manufacture replacement hardware for the Cargo Mission Contract," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

		F SOLICITATION/ I OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES
2. AMENDMEN	IT/MODIFICATION NO. Mod 134	3. EFFECTIVE DATE See Block 16C	4. REQU	ISITION/PURCHASE REQ. NO. N/A	5. PROJE	CT NO. (If applicable)
6. ISSUED BY	CODE	BG	7. ADMIN	NISTERED BY (If other than Item 6)	CODE	BG
NASA Lvn	don B. Johnson Space	Center	NASA	Lyndon B. Johnson Space	Center	
2101 NASA				ASA Parkway		
	earon Comeaux		Attn: BG/Learon Comeaux			
Houston, T	X 77058		Housto	on, TX 77058		
8. NAME AND	ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP Co	ode)			
Lockheed I	Martin Engineering Se	rvices				
Attn: Dan						
2625 Bay A	rea Blvd					
Houston, T	X 77058					
CODE			FACILITY	CODE		
9A. AI	MENDMENT OF SOLICITATIO	N NO.	9B. DATI	ED (SEE ITEM 11)		
	NODIFICATION OF CONTRAC	T/ORDER NO.	10B. DATED (<i>SEE ITEM 13</i>) 12/10/10			
I	11.	THIS ITEM ONLY APPLIES TO A	MENDME	INTS OF SOLICITATIONS		
		ded as set forth in Item 14. The hour a Iment prior to the hour and date specifie			extended, following me	is not extended. ethods:
submitted; or (c BE RECEIVED YOUR OFFER.	(a) By completing Items 8 and 15, and Copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offor submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to he solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNT	ING AND APPROPRIATION D	ATA (If required) N/A				
		THIS ITEM APPLIES ONLY TO MODI T MODIFIES THE CONTRACT/ORDEF				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					Ξ	
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
d. OTHER (Specify type of modification and authority)X52.217-9, Option to Extend the Term of the Contract (MAR 2000)						
E. IMPORTAN	T: Contractor X is not,	is required to sign this docume	ent and retu	rn copies to the iss	suing office.	

14. description of amendment/modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible)

(See Continuation Pages)

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (<i>Type or print</i>) Learon Comeaux, Contracting Officer	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY LEARON COMEAUX (Signature of Contracting Officer)	16C. DATE SIGNED 3/24/2015
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30-1 JSC MS Wo		FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

NNJ10GA35C Modification 134 Page 2 of 3

- A. The purpose of this modification is to exercise Option 2 of the contract. As a result, the following changes are made:
- B. Section B.2, Total Contract Value, is hereby updated as following:

B.2 TOTAL CONTRACT VALUE

The current cumulative contract value is <u>\$128,752,492</u> (including the Firm Fixed-Price (FFP) Phase-In, all Task Orders issued to date, all Underlimit Pools through Contract Year 4, Option 1 and **Option** <u>2)</u>.

Task Order (TO) No. 001 was issued on July 12, 2011 that consisted a total price of 3,174,829(**(b) (4)** in cost and **(b) (4)** in fee). Task Order No. 001, Revision 01 was issued on June 8, 2012 with a total increase in price of 410,094 (**(b) (4)** in cost and **(b) (4)** in fee). The total revised price for TO 001 is 3,584,923 (**(b) (4)** in cost and **(b) (4)** in fee).

TO No. 002 was issued on June 28, 2013 for a total price of 2,051,327 (**5** (b) (4) in cost and **5** (b) (4) in fee). TO No. 002 Revision 01 was issued on November 18, 2013 with a total increase in price of \$188,014 (b) (4) cost and **5** (b) (4) fee). The total revised price for TO 002 is \$2,239,341 (**5** (b) (4) cost and **5** (b) (4) fee).

TO No. 003 was issued on August 28, 2013 for a total price of \$964,488 (\$(b) (4) in cost and \$(b) (4) in fee).

The minimum amount of IDIQ supplies and services ordered in total and paid for under this contract shall be <u>\$15,000</u>.

The maximum not-to-exceed (NTE) value of IDIQ supplies and services ordered in total under this contract is <u>\$20 Million</u>, which includes incidental materials and travel. The maximum NTE amount does not reflect an obligation of the Government. The Government's obligation hereunder shall be based on that specified in the task/delivery orders issued during the period of the contract.

Basic Period of Performance Table

	Maximum Contract Value	
Phase-In (ref Clause B.5)	(b)(1)	
CPAF (ref Clause B.3)		
TOTAL		

Option 1 Table

	Maximum Contract Value	
CPAF (ref Clause B.3)	(b)(1)	
TOTAL		

Option 2 Table	
	Maximum Contract Value
CPAF (ref Clause B.3)	(\mathbf{b}) (\mathbf{A})
TOTAL	

Option 3 Table

	Maximum Contract Value		
CPAF (ref Clause B.3)	(h)	(\land)	
TOTAL			

Option 4 Table

	Maximum Contract Value		
CPAF (ref Clause B.3)	(h)(1)		
TOTAL			

Total Table

	Maximum Contract Value	
FFP	(b) (1)	
CPAF (ref Clause B.3)		
Remaining IDIQ (NTE)		
TOTAL	\$186,720,297	

(End of clause)

C. Section F.3, <u>Period of Performance</u>, is hereby updated as following:

The basic period of performance of this contract shall be from April 1, 2011 through March 31, 2016. Task Orders placed prior to the expiration date of this contract shall remain in full force and effect until deliveries have been completed and payment has been made.

The periods of performance for the option years are as follows:

Option Year 1: April 1, 2014 through March 31, 2015 Option Year 2: April 1, 2015 through March 31, 2016 Option Year 3: April 1, 2016 through March 31, 2017 Option Year 4: April 1, 2017 through March 31, 2018

(End of clause)

	F SOLICITATION/ OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES	
2AMENDMENT/MODIFICATION NO. 135	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 4200537780	5. PROJECT NO. (If applicable)	
6: ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 6)	CODE	
NASA Lyndon B. Johnson Space 2101 NASA Parkway Attn: BG/Learon Comeaux Houston, TX 77058	Center	NASA Lyndon B. Johnson Space 2101 NASA Parkway Attn: BG/Learon Comeaux Houston, TX 77058	Center	
8. NAME AND ADDRESS OF CONTRACTOR Lockheed Martin Integrated Syste Attn: Dan V. Wegner		ode)		
2625 Bay Area Blvd				
Houston, TX 77058				
CODE	·····	FACILITY CODE	······································	
SA. AMENDMENT OF SOLICITATION	N NO.	9B. DATED (SEE ITEM 11)		
104. MODIFICATION OF CONTRAC NNJ10GA35C	T/ORDER NO.	10B. DATED (SEE ITEM 13) 12/10/10	=,,,, · · · · · · · · · · · · · · · · ·	
<u> </u>	THIS ITEM ONLY APPLIES TO	AMENDMENTS OF SOLICITATIONS	·	
(a) By completing items 8 and 15, and submitted; or (c) By separate letter or telegram BE RECEIVED AT THE PLACE DESIGNATED YOUR OFFER. If by virtue of this amendment or letter makes reference to the solicitation and	ment prior to the hour and date specif Copies of the amendment; (b) which includes a reference to the solid FOR THE RECEIPT OF OFFERS PF you desire to change an offer already this amendment, and is received prior	ied in the solicitation or as amended, by one of the By acknowledging receipt of this amendment on a citation and amendment numbers. FAILURE OF N RIOR TO THE HOUR AND DATE SPECIFIED MA submitted, such change may be made by telegram	each copy of the offor YOUR ACKNOWLEDGEMENT TO Y RESULT IN REJECTION OF	
12, ACCOUNTING AND APPROPRIATION D	ATA (If required) Decrease fundin	g by (\$75,000.00)		
		IFICATIONS OF CONTRACTS/ORDERS, R NO. AS DESCRIBED IN ITEM 14.(x)	·	
A. THIS CHANGE ORDER IS ISSUE CONTRACT ORDER NO. IN ITEM 10) THE CHANGES SET FORTH IN ITEM 14 ARE I	MADE IN THE	
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).				
C. THIS SUPPLEMENTAL AGREEN	IENT IS ENTERED INTO PURSUANT	TO AUTHORITY OF:		
d. OTHER (Specify type of modifical X Contract Clauses 1.1; 52.2	on and authority) 32-22 Limitation of Funds ((APR 1984)		
E. IMPORTANT: Contractor is not,	X is required to sign this docum	ent and return _1 copies to the is	suing office.	

14. description of emendment/modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to de-obligate contract funding. This change decreases the amount of funding by \$75,000.00 from \$100,319,018.63 to \$100,244,018.63.

See continuation pages for more details.

15A. NAME AND TITLE OF SIGNER (Type or print) Dan V. Wegner, Contracts Negotiator,	Staff	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer			
15B CONTRACTOR/OFFICROR (Signature of person authorized to sign)	18C. DATE SIGNED 3.20.2015	16B. UNITED STATES OF AMERICA and by LEARON COMEALIX BY LEARON Dit Colls, e-US Government, or -MASA Dit C-US, e-US Government, or -MASA OMEAUX - 02241 (2000) 100 11-000 (Signature of Contracting Officer)	16C. DATE SIGNED 3/20/2015		
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30-1 JSC MS Wo		FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243		

CARGO MISSION CONTRACT

B.4 NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Europe the total amount allotted by the Government to this contract is This allotment is for cargo mission services and covers the following estimated period of performance: January 1, 2011 through March 28, 2015.

(b) An additional amount of fee.

(End of clause)

B.5 <u>FUNDING FOR FIXED-PRICE ITEMS PHASE-IN</u>

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

The FP amount obligated and available for FP Milestone Payment for Phase-In is

The TOTAL FP amount obligated and available is

(End of clause)

B.6 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) ORDERS

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and modifications. The tasks may be dynamic in nature and may be performed in a teaming arrangement with the Government or other contractors.

IDIQ work will be ordered by the Government on a cost-reimbursement basis. The Government will issue a cost-reimbursement task order authorizing the contractor to perform all effort, or, alternatively, to define the overall requirements, performance standards, and specifications associated with the work. The Government will utilize the defined requirements, performance standards, and specifications delivered by the contractor to request a proposal for completion of the work. The negotiated proposal will form the basis for the Government to issue a cost reimbursement task order for this work.

OMB Approval Ma

•

					Ome Approva	NO. 2700-0042
	AMENDMENT OF MODIFICATION (1. CONTRACT ID CODE		PAGE OF PAGES
2. AMENDI	MENT/MODIFICATION NO. Mod 136	3. EFFECTIVE DATE See Block 16C	4. REQUI	SITION/PURCHASE REQ. NO.	6. PROJECT	NO. (il applicable)
8. ISSUED		BG	7. ADMIN	STERED BY (If other than Item 6)	CODE	BG
NASA Lyndon B. Johnson Space CenterNASA Lyndon B. Johnson Space Center2101 NASA Parkway2101 NASA ParkwayAttn: BG/Learon J. ComeauxAttn: BG/Kathryn TaylorHouston, TX 77058Houston, TX 77058						L.,
8. NAME A	ND ADDRESS OF CONTRACTOR (No., street	, county, State, and ZIP Code)		· · · · · ·	· · · ·	
Attn: Da 2625 Ba	ed Martin Engineering Services an V. Wegner ay Area Blvd a, TX 77058					
CODE		······································	FACILITY	CODE		
	9A. AMENDMENT OF SOLICITATION NO.		9B. DATE	D (SEE ITEM 11)		
х	10A. MODIFICATION OF CONTRACT/ORD NNJ10GA35C	ER NO.	108. DAT 12/10/1	ed <i>(see item 13)</i> 10		· .
	i	1. THIS ITEM ONLY APPLIES TO A	MENDMEN	TS OF SOLICITATIONS		
	e ebove numbered solicitation is amended as a acknowledge receipt of this amendment prior t	set forth in item 14. The hour and date spec	cified for recei	pt of Offers	ls extended,	is not extended.
submitted; BE RECEIV YOUR OFF of letter mat	ileting Items 8 and 15, and returning or (c) By separate fetter or telegram which indu (ED AT THE PLACE DESIGNATED FOR THE ER. If by virtue of this amendment you desire to sear reference to the solicitation and this amend JNTING AND APPROPRIATION DATA (If requ	des a reference to the solicitation and amen RECEIPT OF OFFERS PRIOR TO THE HC to change an offer already submitted, such iment, and is received prior to the opening h	ndment numbe DUR AND DAT change may b	TE SPECIFIED MAY RESULT IN R the made by lelegram or letter, provid	LEDGEMENT TO EJECTION OF	
ere ere ere	-	13. THIS ITEM APPLIES ONLY TO MODIF IT MODIFIES THE CONTRACT/ORDER	FICATIONS C R NO. AS DES	F CONTRACTS/ORDERS, CRIBED IN ITEM 14.(x)		
	A. THIS CHANGE ORDER IS ISSUED PUR CONTRACT ORDER NO. IN ITEM 19A.	SUANT TO: (Specify authority) THE CHAN	NGES SET FO	ORTH IN ITEM 14 ARE MADE IN TH	HE	
	B. THE ABOVE NUMBERED CONTRACT/C appropriation date, etc.) SET FORTH IN ITE				in paying office,	
X	C. THIS SUPPLEMENTAL AGREEMENT IS Contract Clause H.16, Specia		-	IQ Task Orders		
	d. OTHER (Specify type of modification and	aulhorily)		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
E. IMPORT	FANT: Contractor	X Is required to sign this document a	and return	1 coples to	o the lasuing office.	
The pu	ilon of amendment/modification (Organized by rpose of this Supplemental A y for a Next Generation A	Agreement is to definitize	Space St	ation Change Notice	(SSCN) 14468	"Market
	E AND TITLE OF SIGNER (Type or print) Wegner, Contracts Negotiator,	Staff	1 1	AE AND TITLE OF CONTRACTING		U
16BCON	TRUCTOR/OFFEROR	16C. DATE SIGNED	168. UNI	TED STATES OF AMERICA	I by LEARON COMEAUX	16C. DATE SIGNED
((Signature of person evitionized to sign)	4.9.2015		ARON COMEAUX	(\$. Government, ou=NASA, ou=PM, DMEAUX, DOO:103:3.1=Romeaux 20.1238-14_05000	4/9/2015
	01-152-8070 E EDITION UNUSABLE		-105 ford (Aug 95)	Testinite or countersuit or		RD FORM 30 (Rev. 10-63) Prescribed by GSA FAR (48 CFR) 63.243

Modification #	Mod Date	Description	Cost
136	· · · · ·	Market Survey for a Next Generation Automated	
130		External Defibrillator (AED)	

B. Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.24 Next Generation Automated External Defibrillator (AED) Study (SSCN 14468).

C. Section C, Statement of Work, is hereby updated to add the following:

6.24 Next Generation Automated External Defibrillator (AED) Study (SSCN 14468).

The contractor shall perform a study of available Commercial-off-the-Shelf (COTS) Automated External Defibrillators (AED) that meet International Space Station (ISS) requirements, including associated risks and costs, and to provide a recommendation on implementation by July 22, 2015.

D. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 14468, "Market Survey for a Next Generation Automated External Defibrillator (AED)" the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

		SOLICITATION/ OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES
2. AME	NDMENT/MODIFICATION NO.	3. EFFECTIVE DATE See Block 16C	4. REQU	ISITION/PURCHASE REQ. NO. 4200545878	5. PROJE	CT NO. (If applicable)
6. ISSL	JED BY CODE		7. ADMIN	ISTERED BY (If other than Item 6)	CODE	
NAS/	A Lyndon B. Johnson Space	Center	NASA	Lyndon B. Johnson Space	Center	
Hous	ISSUED BY CODE 7. ADMINISTERED BY (if other than item 6) CODE ASA Lyndon B. Johnson Space Center NASA Lyndon B. Johnson Space Center 2101 NASA Parkway 101 NASA Parkway 2101 NASA Parkway 2101 NASA Parkway uston, TX 77058 Attn: BG/Kathryn Taylor NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and ZIP Code) 0 ockheed Martin Integrated Systems, Inc. th:: Dan V. Wegner 625 Bay Area Blvd 0 ouston, TX 77058 98. DATED (SEE ITEM 11) 104. MODIFICATION OF SOLICITATION NO. 98. DATED (SEE ITEM 11) 105. DATED (SEE ITEM 12) 12/10/10 11. THIS ITEM ONLY APPLIES TO AMENDMENT OF SOLICITATIONS 12/10/10 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS is not extended. The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is not extended. The above numbered solicitation is amended as a efformed methour and date specified in the solicitation or as amended, by one of the offor is not extended. By completing Items 8 and 15, and Copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offor By completing Items 45, and 15, and Copies of the amendment, (b) To THE HOUR AND ARESULT IN REJECTION OF<					
8. NAM	E AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP Co	ode)			
Lock	need Martin Integrated Syste	oms Inc		. *		
		· · · · · · · · · · · · · · · · · · ·				
CODE			FACILITY	CODE		
	9A. AMENDMENT OF SOLICITATION	I NO.	9B. DAT	ED (SEE ITEM 11)		
· ·		VORDER NO.				
X	÷					
	1 1. `	THIS ITEM ONLY APPLIES TO A	MENDME	INTS OF SOLICITATIONS		
(a) By c	ompleting Items 8 and 15 and	Copies of the amendment: (b)	By acknowl	edging receipt of this amandment on a	ach conv of i	he offor
			•			
					n or letter, pro	vided each telegram
	COUNTING AND APPROPRIATION DA		to the oper	ing hour and date specified.		
12. 10	COONTING AND AFEROPRIATION DA	Increase fundir	ng by \$17	78,000.00		
		THIS ITEM APPLIES ONLY TO MODI MODIFIES THE CONTRACT/ORDEI				
	A. THIS CHANGE ORDER IS ISSUEI		THE CHAI	IGES SET FORTH IN ITEM 14 ARE N	ADE IN THE	
	CONTRACT ORDER NO. IN ITEM 10.	A				
	B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FORTH				s changes in	paying office,
`	C. THIS SUPPLEMENTAL AGREEM	ENT IS ENTERED INTO PURSUANT	TO AUTHO	RITY OF:		
x	d. OTHER (Specify type of modification Contract Clauses I.1; 52.23	on and authority) 32-22 Limitation of Funds (APR 19	34)		· · · · · ·
E. IMP	ORTANT: Contractor X is not,	Is required to sign this docume	ent and retu	n copies to the iss	suing office.	· · · · · · · · · · · · · · · · · · ·
14. des	cription of amendment/modification (Org	ganized by UCF section headings, Incl	luding solici	ation/contract subject matter where fe	asible.)	

The purpose of this modification is to obligate contract funding. This change increases the amount of funding by \$178,000.00 from \$100,244,018.63 to \$100,422,018.63.

See continuation pages for more details.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer			
15B, CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA ILABORODIZATION BY LEARON COMEAUX OF CONTRACT OF	16C. DATE SIGNED 3/24/2015		
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		-105 STANDAI ford (Aug 95)	RD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243		

B.4 NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of <u>Funds clause</u>, the total amount allotted by the Government to this contract is

This allotment is for cargo mission services and covers the following estimated period of performance: January 1, 2011 through March 28, 2015 March 31, 2015.

(b) An additional amount of payment of fee.

s obligated under this contract for

(End of clause)

B.5 FUNDING FOR FIXED-PRICE ITEMS PHASE-IN

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

The FP amount obligated and available for FP Milestone Payment for Phase-In is

The TOTAL FP amount obligated and available is

(End of clause)

B.6 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) ORDERS

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and modifications. The tasks may be dynamic in nature and may be performed in a teaming arrangement with the Government or other contractors.

IDIQ work will be ordered by the Government on a cost-reimbursement basis. The Government will issue a cost-reimbursement task order authorizing the contractor to perform all effort, or, alternatively, to define the overall requirements, performance standards, and specifications associated with the work. The Government will utilize the defined requirements, performance standards, and specifications delivered by the contractor to request a proposal for completion of the work. The negotiated proposal will form the basis for the Government to issue a cost reimbursement task order for this work.

				1. CONTRACT ID CODE		PAGE OF PAGES
2. AM	ENDMENT/MODIFICATION NO. 138	3. EFFECTIVE DATE See Block 16C	4. REQU	ISITION/PURCHASE REQ. NO. 4200544501	5. PROJE	CT NO. (If applicable)
6. ISS	JED BY CODE		7. ADMIN	IISTERED BY (If other than Item 6)	CODE	
		Center			Center	<u> </u>
	•					· · ·
						· . ·
Hous	MODIFICATION OF CONTRACT Interview 2. AMENDMENT/MODIFICATION NO. 3. EFFECTIVE DATE 4. REQUISITION/PURCHASE REG. NO. 5. PROJECT NO 3. ISSUED BY CODE 7. ADMINISTERED BY (If other than Item 6) CODE VASA Lyndon B. Johnson Space Center NASA Lyndon B. Johnson Space Center NASA Lyndon B. Johnson Space Center 2101 NASA Parkway 2101 NASA Parkway Attn: BG/Learon Comeaux Attn: BG/Kathryn Taylor Houston, TX 77058 Houston, TX 77058 Houston, TX 77058 3. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and ZIP Code) Lockheed Martin Integrated Systems, Inc. Attn: Dan V. Wegner 2225 Bay Area Blvd Houston, TX 77058 SODE FACILITY CODE 98. DATED (SEE ITEM 11) I04. MODIFICATION OF CONTRACT/ORDER NO. 108. DATED (SEE ITEM 12) I1. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS Is extended, I and I 2/10/10 I1. THIS ITEM ONLY APPLIES TO AMENDMENT OF SOLICITATION NO. 98. DATED (SEE ITEM 13) ID4. NDDIFICATION OF CONTRACT/ORDER NO. 100. DATED (SEE ITEM 13) I10. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS Is extended, I and I					
8. NAM	AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP Co	ode)			
Attn:	Dan V. Wegner	ms, Inc.				
CODE			FACILITY	CODE		<u>-</u>
	9A. AMENDMENT OF SOLICITATION	I NO.	9B. DATI	ED (SEE ITEM 11)		
X		ORDER NO.				
·	11. ⁻	THIS ITEM ONLY APPLIES TO A		NTS OF SOLICITATIONS		
						is not extended.
Offers	must acknowledge receipt of this amendr	nent prior to the hour and date specifi	ed in the so	icitation or as amended, by one of the	e following me	thods:
submit BE RE	ed; or (c) By separate letter or telegram CEIVED AT THE PLACE DESIGNATED	which includes a reference to the solic FOR THE RECEIPT OF OFFERS PR	itation and a	emendment numbers. FAILURE OF E HOUR AND DATE SPECIFIED MA	YOUR ACKNO Y RESULT IN	WLEDGEMENT TO: REJECTION OF
					n or letter, pro	ivided each telegram
		TA (If required)	·		· · · · ·	······
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) THE CHAN	IGES SET FORTH IN ITEM 14 ARE	MADE IN THE	
				-	as changes in	paying office,
	d. OTHER (Specify type of modification	n and authority)	,			
<u>x</u>	Contract Clauses I.1; 52.23	2-22 Limitation of Funds (APR 198	34)		
E. IMF	ORTANT: Contractor X is not,	is required to sign this docume	ent and retu	copies to the is	suing office.	
14. de	scription of amendment/modification (Org	anized by UCF section headings, inc	luding solici	ation/contract subject matter where fe	easible.)	
	• •			-		s the
an	nount of funding by \$13,	504,706 from \$100,42	2,018.	63 to \$113,926,724.63	3.	
		Coo continuation n	anaa fa	r mara dataila		
		See continuation p	ages io	r more details.		
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464			464 144			aa ar adail
10A. P	INITE AND TILE OF SIGNER (Type or)	unity -	1 '			oo or print)
15B. C	ONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UN	TED STATES OF AMERICA STATES	aux =hasa ou=py,	16C. DATE SIGNED
-	(Signature of person authorized to sign)	—		(Signature of Contracting Officer)	Aig:	3/31/2015
	1-9 and a hard a many			Leven a stranger and a st		

NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE STANDARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

B.4 NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is
 This allotment is for cargo mission services and covers the following estimated period of performance: January 1, 2011 through March 31, 2015 September 11, 2015.
- (b) An additional amount of for payment of fee.

obligated under this contract

(End of clause)

B.5 FUNDING FOR FIXED-PRICE ITEMS PHASE-IN

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

The EP amount obligated and available for FP Milestone Payment for Phase-In is

The TOTAL FP amount obligated and available is



(End of clause)

B.6 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) ORDERS

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and modifications. The tasks may be dynamic in nature and may be performed in a teaming arrangement with the Government or other contractors.

IDIQ work will be ordered by the Government on a cost-reimbursement basis. The Government will issue a cost-reimbursement task order authorizing the contractor to perform all effort, or, alternatively, to define the overall requirements, performance standards, and specifications associated with the work. The Government will utilize the defined requirements, performance standards, and specifications delivered by the contractor to request a proposal for completion of the work. The negotiated proposal will form the basis for the Government to issue a cost reimbursement task order for this work.

		F SOLICITATION/ OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES	
2. AME	NDMENT/MODIFICATION NO. 138, Rev 1	3) EFFECTIVE DATE See Block 16C	4. REQU	ISITION/PURCHASE REQ. NO.	5. PROJE	CT NO. (If applicable)	
6. ISSU			7. ADMIN	IISTERED BY (If other than Item 6)	CODE		
2101 Attn:	A Lyndon B. Johnson Space NASA Parkway BG/Learon Comeaux ton, TX 77058	Centér	NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Attn: BG/Kathryn Taylor Houston, TX 77058				
8. NAM	E AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP Co	ode)				
Attn: 2625	need Martin Integrated Syste Dan V. Wegner Bay Area Blvd ton, TX 77058	ems, Inc.					
CODE		· · · · · · · · · · · · · · · · · · ·	FACILITY	CODE			
	9A. AMENDMENT OF SOLICITATION	NO.	9B. DATI	ed (see item 11)		· .	
x	10A. MODIFICATION OF CONTRAC NNJ10GA35C	I/ORDER NO.	108 DA 12/10/	IO (SEE ITEM 13)			
L	13.	THIS ITEM ONLY APPLIES TO A	MENDME	NTS OF SOLICITATIONS			
Offers n (a) By c submitte BE REC YOUR (or letter	The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and Copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offor submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment, you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. 12. ACCOUNTING AND APPROPRIATION DATA (<i>If required</i>) 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/QRDER NO. AS DESCRIBED IN ITEM 14. (x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
	B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FORTH C. THIS SUPPLEMENTAL AGREEM	IN ITEM 14, PURSUANT TO THE AU		F FAR 43.103(b).		paying onco,	
				· · · · · · · · · · · · · · · · · · ·			
x	d. OTHER (Specify type of modification Contract Clauses I.1; 52.23	on and authority) 32-22 Limitation of Funds (.	APR 198	34)			
E. IMP	ORTANT: Contractor X is not,	Is required to sign this docume	ent and retu	n copies to the is	suing office.		
Th Mc am	e purpose of this modification (Or e purpose of this modification 138. Modification 138. Modification 138. Modification 138. Modification of funding by \$13.	cation is to correct an tion 138 omitted \$54.0 504,706 \$54.00 from \$ See continuation p	error ir)0 in in \$113,9; ages fo	contract funding that crease funding. This c 26,724.63 to \$113,926 r more details.	was ma hange ii 5,778.63	ncreases the	
15A. N	AME AND TITLE OF SIGNER (Type or	pnnt)	16A. NA	ME AND TITLE OF CONTRACTING (JFFICER (Ty	oe or print)	

· · · · · · · · · · · · · · · · · · ·		Learon J. Comeaux, Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA Display hand by LEMONTCHAINT, BY LEARON COMEAUX AND A COMPARE SOUNDA COMMUN. BY LEARON COMEAUX AND A COMPARE SOUNDA COMPARE AND A COMPARE SOUNDA COMPARE	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	4/1/2010
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	-30- JSC MS Wo		FORM 30 (Rev. 10-83) Prescribed by GSA

Prescribed by GSA FAR (48 CFR) 53.243

B.4 <u>NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)</u>

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is This allotment is for cargo mission services and covers the following estimated period of performance: January 1, 2011 through

September 11, 2015

(b) An additional amount of fee.

obligated under this contract for payment of

(End of clause)

B.5 FUNDING FOR FIXED-PRICE ITEMS PHASE-IN

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

The FP amount obligated and available for FP Milestone Payment for Phase-In is

The TOTAL FP amount obligated and available is



(End of clause)

B.6 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) ORDERS

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and modifications. The tasks may be dynamic in nature and may be performed in a teaming arrangement with the Government or other contractors.

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-	AMENDMENT OF	SOUCITATION	1. CONTRACT ID CODE		PAGE OF PAGES
	MODIFICATION	OF CONTRACT			1 3
2. AMEN	NDMENT/MODIFICATION NO. Mod 139	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJEC	T NO. (If applicable)
8. ISSU	ED BY CODE	BG	7. ADMINISTERED BY (It other than item t	5) CODE	BG
2101 Attn: E	Lyndon B. Johnson Space Cer NASA Parkway 3G/Learon J. Comeaux on, TX 77058	iter	NASA Lyndon B, Johnson Sp 2101 NASA Parkway Attn: BG/Kathryn Taylor Houston, TX 77058	ace Center	
8. NAMI	E AND ADDRESS OF CONTRACTOR (No., sin	eel, county, State, and ZIP Code)			<u> </u>
Attn: 2625	eed Martin Engineering Service Dan V. Wegner Bay Area Bivd Ion, TX 77058	8			
CODE	······································		FACILITY CODE		· · · · · · · · · · · · · · · · · · ·
· · · · · · · · · · · · · · · · · · ·	9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)		
x	10A. MODIFICATION OF CONTRACT/ORD NNJ10GA35C	ER NO.	108. DATED (SEE ITEM 13) 12/10/10		
·····	· · · · · · · · · · · · · · · · · · ·	11. THIS ITEM ONLY APPLIES TO	AMENDMENTS OF SOLICITATIONS	· · · · ·	
Offers m	ompleting items 8 and 16, and returning	or to the hour and date specified in the sol	ecliped for receipt of Offers Icitation or as emended, by one of the following ecknowledging receipt of this emendment on ea amendment numbers, FAILURE OF YOUR ACK	ach copy of the offor	is not extended.
BE REC YOUR C	EIVED AT THE PLACE DESIGNATED FOR TH	IE RECEIPT OF OFFERS PRIOR TO TH re to change an offer already submitted, s	E HOUR AND DATE SPECIFIED MAY RESULT uch change may be made by telegrem or letter,	IN REJECTION OF	
12. ACC	COUNTING AND APPROPRIATION DATA (If re	aquired)			
		13. THIS ITEM APPLIES ONLY TO MO IT MODIFIES THE CONTRACT/ORD	DIFICATIONS OF CONTRACTS/ORDERS, DER NO. AS DESCRIBED IN ITEM 14.(x)		
	A. THIS CHANGE ORDER IS ISSUED PUR CONTRACT ORDER NO. IN ITEM 10A.	SUANT TO: (Specily authority) THE CH/	NGES SET FORTH IN ITEM 14 ARE MADE IN	THE	
	B. THE ABOVE NUMBERED CONTRACT/C eppropriation date, etc.) SET FORTH IN ITE		ADMINISTRATIVE CHANGES (such as change OF FAR 43.103(b).	es in paying office,	
x	C. THIS SUPPLEMENTAL AGREEMENT IS Contract Clause H.16, Specia				
P	d. OTHER (Specify type of modification and	aulhorily)		•	
E, IMP(DRTANT: Contractor is not,	X is required to sign this document	and return copie	s to the issuing office.	
ך 1 5	14472, "Procure and Certif support International Spac	emental Agreement is t y Multi-Port Universal e Station (ISS) Operati	adon/contract subject maller where feesible.) o definitize Space Station Serial Bus (USB) Chargers ons & Utilization and Base off-the-Shelf (COTS) Hardy	s and Generic line the Assoc	USB Cables to lated
	AME AND TITLE OF SIGNER (Type or print) V. Wegner, Contracts Negotiator	r, Staff	18A. NAME AND TITLE OF CONTRACTI Learon J. Comeaux, Contrac		n).
	ONTRACTOR/OFNEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY LEARON COMEAUX	d by LEADEN COMPANY. JS Gonetratoric con VASA, survive, con LEARCH 2342 19201920 1900 11 Historicana 2442 19201920 1901 11 Historicana	16C. DATE SIGNED
Ľ.	(Signature of paison authorized to sign)	_ 4.7.2015	(Signature of Contracting		4/7/2015

NSN 7540-01-162-8070 PREVIOUS EDITION UNUSABLE

STANDARD FORM 30 (Rev. 10-B3) Prescribed by OSA FAR (48 CFR) 53.243

Modification #	Mod Date	Description	Cost
139		Procure and Certify Multi-Port Universal Serial Bus (USB) Chargers and Generic USB Cables to support International Space Station (ISS) Operations & Utilization and Baseline the Associated Applicable Requirements Matrix for Commercial-off-the-Shelf (COTS) Hardware Certification	

B. Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.25 COTS: Multi-Port Universal Serial Bus (USB) Charger and Generic USB Cables (SSCN 14472).

C. Section C, Statement of Work, is hereby updated to add the following:

6.25 COTS: Multi-Port Universal Serial Bus (USB) Charger and Generic USB Cables (SSCN 14472).

The contractor shall:

- Deliver quantity one Class III USB charger and each cable to NASA (via DD1149) by May 1, 2015 for Electromagnetic Interface (EMI) testing;
- Deliver quantity one Class III USB charger to NASA (via DD1149) by May 1, 2015 for Inverter Compatibility testing.
- D. Section J, Attachment J-9, Hardware List, is hereby updated to add the following:

ltem Number	Description	Drawing/Part Number	Sustain
22	Multi-Port USB Chargers	ТВД	Sustaining shall begin post DD250 of hardware
23	USB 2.0 Cable Type A-B, length 2.0m	TBD	Sustaining shall begin post DD250 of hardware
24	USB 2.0 Cable Type A-B, length 5.0m	TBD	Sustaining shail begin post DD250 of hardware
25	USB 2.0 Cable Type A- Micro B, length 6-Ft	TBD	Sustaining shall begin post DD250 of hardware
26	USB 2.0 Cable Type A- Micro B, length 15-Ft	TBD	Sustaining shall begin post DD250 of hardware

Table 1.1-C Cables

E. Section J, Attachment J-16, Deliverable Items List, is hereby updated to add the following:

NO	CHANGE NUMBER	PART NUMBER	SERIAL NUMBER	LM ID NO*	NOMENCLATURE	QTY	UNIT	DD250 DATE
107	14472	TBD	TBD	CMC0499	Multi-Port USB Charger	20	Each	7/30/2015
108	14472	TBD	TBD	CMC0505	USB 2.0 Cable Type A-B, length 2.0m	4	Each	4/22/2015
109	14472	TBD	TBD	CMC0506	USB 2.0 Cable Table A-B, length 2.0m	6	Each	7/30/2015
110	14472	TBD	TBD	CMC0507	USB 2.0 Cable Table A-B, length 5.0m	4	Each	4/22/2015

NNJ10GA35C Modification 139 Page 3 of 3

111	14472	TBD	TBD	CMC0508	USB 2.0 Cable Type A-B, length 5.0m	6	Bach	7/30/2015
112	14472	TBD	TBD	CMC0509	USB 2.0 Cable Type A-Micro B, length 6- Ft	4	Each	4/22/2015
113	14472	TBD	TBD	CMC0510	USB 2.0 Cable Type A-Micro B, length 6- Ft	13	Bach	7/30/2015
114	14472	TBD	TBD	CMC0511	USB 2.0 Cable Type A-Micro B, length 15-Ft	10	Each	6/15/2015

F. Section J, Attachment J-19, Government Furnished Data, is hereby updated to add the following:

NASA RESP RESP I		LM RESP	Unique ID	Nomenclature	FLT No.	Need Date
Stephen Hunter	OD .	Cuong Le		Data or Test Report from Electromagnetic Interface (EMI) testing by Avionics Systems Division/EV for the Multi-Port USB Charger and USB Cables (SSCN 14472)	NFS	. 5/15/2015
Stephen Hunter	OD	Cuong Le		MultI_Port USB Charger Inverter compatibility test report (SSCN 14472)	NFS	5/15/2015

G. Section J, Attachment J-18, Government Furnished Equipment, is hereby updated to add the following:

NASA RESP	RESP LM RESP Unique ID Nome		Nomenclature	FLT No.	Need Date	
Stephen Hunter	OD	Cuong Le		USB 2.0 Cable Type A-B, length 2.0m (SSCN 14472)	SpX-7	4/08/2015
Stephen Hunter	OD	Cuong Le		USB 2.0 Cable Type A-B, length 5.0m (SSCN 14472)	SpX-7	4/08/2015
Stephen Hunter	tephen Hunter OD Cuong Le		USB 2.0 Cable Type A-Micro B, length 6-Ft (SSCN 14472)	SpX-7	4/08/2015	
Stephen Hunter OD Cuong Le			USB 2.0 Cable Type A-Micro B, length 15-Ft (SSCN 14472)	SpX-7	4/08/2015	

H. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 14472, "Procure and Certify Multi-Port Universal Serial Bus (USB) Chargers and Generic USB Cables to support International Space Station (ISS) Operations & Utilization and Baseline the Associated Applicable Requirements Matrix for Commercial-off-the-Shelf (COTS) Hardware Certification," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

AMENDMENT O		1. CONTRACT ID CODE			PAGE OF	- ·		
MODIFICATION	OF CONTRACT					1	2	
2, AMENDMENT/MODIFICATION NO. 140	3: EFFECTIVE DATE See Block 16C	4. REQU	ISITION/PURCHASE REQ. N 4200547203	IO. 5	. PROJEC	T NO. (If ap	plicable)	
6. ISSUED BY CODE	ч.	7. ADMIN	IISTERED BY (If other than is	tem 6)	CODE			
NASA Lyndon B. Johnson Space	Center	NASA	Lyndon B. Johnson	Space C	enter			
2101 NASA Parkway			IASA Parkway					
Attn: BG/Learon Comeaux			G/Kathryn Taylor					
Houston, TX 77058		Housto	on, TX 77058					
8. NAME AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP Co	ode)			· · ·			
Lockheed Martin Integrated System	ems. Inc.							
Attn: Dan V. Wegner								
2625 Bay Area Blvd								
Houston, TX 77058								
			·········					
CODE		FACILITY				· · · · · · · · · · · · · · · · · · ·		
9A. AMENDMENT OF SOLICITATIO	N NO.	98. DATE	ED <i>(SEE ITEM 11)</i>					
X 10A, MODIFICATION OF CONTRAC	10A, MODIFICATION OF CONTRACT/ORDER NO. X NNJ10GA35C			10B. DATED (SEE ITEM 13) 12/10/10				
	THIS ITEM ONLY APPLIES TO A		NTS OF SOLICITATION	S				
The above numbered solicitation is amen				is exte	ended.	is not e	xtended.	
Offers must acknowledge receipt of this amend	and the second	•	-	ne of the fol	lowing met			
						_		
 (a) By completing items 8 and 15, and submitted; or (c) By separate letter or telegram 	Copies of the amendment; (b)	-			• •			
BE RECEIVED AT THE PLACE DESIGNATED								
YOUR OFFER. If by virtue of this amendment								
or letter makes reference to the solicitation and	· · · · · · · · · · · · · · · · · · ·	to the open	ing hour and date specified.			•		
12. ACCOUNTING AND APPROPRIATION D	ATA (If required) Increase fundir	ng by \$50	0,000.00					
	THIS ITEM APPLIES ONLY TO MOD MODIFIES THE CONTRACT/ORDE			,				
A. THIS CHANGE ORDER IS ISSUE CONTRACT ORDER NO. IN ITEM 10		THE CHAN	NGES SET FORTH IN ITEM 1	4 ARE MAD	DE IN THE			
B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FORTH) (such as cl	hanges in p	aying office	·.	
C. THIS SUPPLEMENTAL AGREEM	ENT IS ENTERED INTO PURSUANT	TO AUTHO	RITY OF:					
d. OTHER (Specify type of modificati X Contract Clauses I.1; 52.2	on and authority) 32-22 Limitation of Funds (APR 198	34)	<u> </u>				
E. IMPORTANT: Contractor X is not,	is required to sign this docume			to the issuin	ng office.			
14. description of amendment/modification (Or	ganized by UCF section headings, Inc.	luding solicit	ation/contract subject matter	where feasil	ble.)			
	indian in the skillest	undure of t	funding This sta					
The purpose of this modif amount of funding by \$50					rease	sine		

See continuation pages for more details.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICAL LARON COMPANY BY LEARON (MICH 3, 0-US CONTINUE, CANADA COMEAUX (MICH 3, 0-US CONTINUE, COMEAUX COMEAUX (Signature of Contracting Officer)	16C. DATE SIGNED 4/13/2015		
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30- JSC MS We		FORM 30 (Rev. 10-83) Prescribed by GSA		

FAR (48 CFR) 53.243

B.4 NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is
 This allotment is for cargo mission services and covers the following estimated period of performance: January 1, 2011 through September 11, 2015 September 15, 2015.
- (b) An additional amount of **the second second** is obligated under this contract for payment of fee.

(End of clause)

B.5 FUNDING FOR FIXED-PRICE ITEMS PHASE-IN

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

The FP amount obligated and available for FP Milestone Payment for Phase-In is

The TOTAL FP amount obligated and available is

(End of clause)

B.6 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) ORDERS

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and modifications. The tasks may be dynamic in nature and may be performed in a teaming arrangement with the Government or other contractors.

IDIQ work will be ordered by the Government on a cost-reimbursement basis. The Government will issue a cost-reimbursement task order authorizing the contractor to perform all effort, or, alternatively, to define the overall requirements, performance standards, and specifications associated with the work. The Government will utilize the defined requirements, performance standards, and specifications delivered by the contractor to request a proposal for completion of the work. The negotiated proposal will form the basis for the Government to issue a cost reimbursement task order for this work.

	AMENDMENT OF MODIFICATION			1. CONTRACT ID CODE		PAGE OF PAGES	
2 AMENDA	MENT/MODIFICATION NO. Mod 141	3. EFFECTIVE DATE See Block 16C	4. REQUIS	SITION/PURCHASE REQ. NO. N/A			
6. 186UED	BY CODE	BG	7. ADMINI	STERED BY (If other than Item 6)	CODE	BG	
NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Atin: BG/Learon J. Comeaux Houston, TX 77058		NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Attn: BG/Kathryn Taylor Houston, TX 77058					
Lockhee Attn: Da 2625 Ba	ND ADDRESS OF CONTRACTOR (No., stree od Martin Engineering Services an V. Wegner Ny Area Blvd 1, TX 77058						
CODE	· · · · · · · · · · · · · · · · · · ·		FACILITY	CODE			
	9A, AMENDMENT OF SOLICITATION NO.	······································		D (SEE ITEM 11)			
x	10A. MODIFICATION OF CONTRACT/ORDER NO. NNJ10GA35C			10B. DATED (SEE ITEM 13) 12/10/10			
	· · · · · · · · · · · · · · · · · · ·	1. THIS ITEM ONLY APPLIES TO A	MENDMEN	TS OF SOLICITATIONS			
(a) By comp submitted; c BE RECEIV YOUR OFF or teller mat	acknowledge receipt of this amendment prior bleting items 8 and 15, and returning or (c) By separate fetter or telegram which inclu- red AT THE PLACE DESIGNATED FOR THE ER. If by virtue of this amendment you desire kas reference to the solicitation and this amen JUNING AND APPROPRIATION DATA (<i>if req</i>	Copies of the amendment; (b) By a udes a reference to the soliditation and amer RECEIPT OF OFFERS PRIOR TO THE HO to change an offer already submitted, such dment, and is received prior to the opening it	acknowledging adment numbe DUR ANO DA change may b	n receipt of this amendment on each or ars, FAILURE OF YOUR ACKNOWLE FE SPECIFIED MAY RESULT IN REJI e made by telegram or letter, provided	py of the offer DGEMENT TO ECTION OF	<u>.</u>	
		13. THIS ITEM APPLIES ONLY TO MODI IT MODIFIES THE CONTRACT/ORDEF	FICATIONS C R NO. AS DES	F CONTRACTS/ORDERS, CRIBED IN ITEM 14.(x)			
	A. THIS CHANGE ORDER IS ISSUED PU CONTRACT ORDER NO. IN ITEM 10A.	RSUANT TO: (Specify authority) THE CHAP	NGES SET FO	ORTH IN ITEM 14 ARE MADE IN THE	 		
	B. THE ABOVE NUMBERED CONTRACT/ appropriation date, etc.) SET FORTH IN ITE	ORDER IS MODIFIED TO REFLECT THE A	ADMINISTRA DF FAR 43.10	FIVE CHANGES (such as changes in p 3(b).	aying office,	· · · · · · · · · · · · · · · · · · ·	
X	C. THIS SUPPLEMENTAL AGREEMENT I Contract Clause H.16, Specia	s entered into pursuant to autho al Clause for Contract Change		IQ Task Orders	· .		
· · · · · · · · · · · · · · · · · · ·	d. OTHER (Specify type of modification and	d authority)					
E. IMPORT	FANT: Contractor	is required to sign this document t	and return	copies to ti	ie issuing office.		
	tion of amendment/modification (Organized by rpose of this Supplemental		Space S	tation Change Notice (S			

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change to add Government-Industry Data Exchange Program (GIDEP) and NASA Advisory Problem Data Sharing and Utilization Program to Cargo Mission Contract".

18A. NAME AND TITLE OF SIGNER (Type or print) Dan V. Wegner, Contracts Negotiator, Staff	· · · · · · · · · · · ·	15A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer		
15B. CONFRACTOR/OFFEROR (Signature of persor (authorized to sign)	16C. DATE SIGNED A. 10.2015	108. UNITED STATES OF AMERICA DAY DAY DAY TO A DAY AND A	16C. DATE SIGNED 4/10/2015	
NSN 7640-01-162-6070 PREVIOUS EDITION UNUSABLE	30-1 JSC MS Wo		RD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

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Modification #	Mod Date	Description	Cost
14281		Contract change to add Government-Industry Data Exchange Program (GIDEP) and NASA Advisory Problem Data Sharing and Utilization Program to Cargo Mission Contract	

B. Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

2.6.1 GIDEP and NASA Advisory Problem Data Sharing and Utilization Program Documentation and Reporting (SSCN 14281).

C. Section C, Statement of Work, is hereby updated to add the following:

2.6.1 GIDEP and NASA Advisory Problem Data Sharing and Utilization Program Documentation and Reporting (SSCN 14281).

The contractor shall be a member of and participate in the Government-Industry Data Exchange Program (GIDEP) in accordance with the requirements of the GIDEP S0300-BT-PRO-010 and S0300-BU-GYD-010, available from the GIDEP Operations Center, PO Box 8000, Corona, California 91718-8000, per DRD C-SA-09. The contractor shall review all GIDEP ALERTS, GIDEP SAFE-ALERTS, GIDEP Problem Advisories, GIDEP Agency Action Notices, and NASA Advisories to determine if they affect the contractors products/services provided to NASA. For those that affect the ISS Program, the contractor shall take action to eliminate or mitigate any negative effect to an acceptable level. The contractor shall generate the required failure experience data report(s) (GIDEP ALERT, GIDEP SAFE-ALERT, GIDEP Problem Advisory) and enter into the JSC NASA Advisory/GIDEP Documents Status Tracking System, jarts-sma.jsc.nasa.gov, in accordance with NPG 8735.1, whenever failed or nonconforming items, available to other buyers, are discovered during the course of the contract.

D. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 14468, "Contract change to add Government-Industry Data Exchange Program (GIDEP) and NASA Advisory Problem Data Sharing and Utilization Program to Cargo Mission Contract" the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

AMENDMENT OF SOLICITATION/ MODIFICATION OF CONTRACT			1. CONTRACT ID COD		PAGE OF PAGES	
2. AMENDI	MENT/MODIFICATION NO. Mod 142	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ.	NO. 5. PROJE	CT NO: (If applicable)	
6. ISSUED	BY CODE	BG	7. ADMINISTERED BY (If other than	llem 6) CODE	BG	
NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Attn: BG/Learon J. Comeaux Houston, TX 77058		NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Attn: BG/Kathryn Taylor Houston, TX 77058				
Lockhee Attn: Da 2625 Ba	ND ADDRESS OF CONTRACTOR (No., stree ad Martin Engineering Services an V. Wegner ay Area Blvd a, TX 77058					
CODE	1141 - 11 - 11 - 11 - 11 - 11 - 11 - 11	· · · · · · · · · · · · · · · · · · ·	FACILITY GODE		······	
	9A. AMENDMENT OF SOLICITATION NO.		98. DATED (SEE ITEM 11)		····	
x	10A. MODIFICATION OF CONTRACT/ORD	ER NO.	10B. DATED (SEE ITEM 13) 12/10/10	···· · · · · · ·		
	1	1. THIS ITEM ONLY APPLIES TO A	MENDMENTS OF SOLICITATIONS	3		
(a) By comp submitted; c BE RECEIV YOUR OFF or letter mai	the above numbered solicitation is amended as acknowledge receipt of this amendment prior vieting items 8 and 16, and returning or (c) By separate letter or telegram which inclu (2D AT THE PLACE DESIGNATED FOR THE ER. If by virtue of this amendment you desire was reference to the solicitation and this amend	to the hour and date specified in the solicitat Copies of the amendment; (b) By end ides a reference to the solicitation and amen RECEIPT OF OFFERS PRIOR TO THE HO to change an offer already submitted, such a iment, and is received prior to the opening h	ion or as amonded, by one of the followin oknowledging receipt of this amendment dment numbers. FAILURE OF YOUR A FUR AND DATE SPÉCIFIED MAY RESU Shange may be made by telegram or lette	on each copy of the offor CKNOWLEDGEMENT TO LT IN REJECTION OF	Is not extended.	
12. ACCOL	JNTING AND APPROPRIATION DATA (If requ	ulred)				
		13. THIS ITEM APPLIES ONLY TO MODIFIES THE CONTRACT/ORDER	CATIONS OF CONTRACTS/ORDERS, NO. AS DESCRIBED IN ITEM 14.(x)		·	
	A. THIS CHANGE ORDER IS ISSUED PUL CONTRACT ORDER NO. IN ITEM 10A.	RSUANT TO: (Specify sufficiency) THE CHAN	IGES SET FORTH IN ITEM 14 ARE MAI	DE IN THE		
	B. THE ABOVE NUMBERED CONTRACT/ appropriation date, etc.) SET FORTH IN ITE		•	hanges in paying office,	· · · · · · · · · · · · · · · · · · ·	
X	C. THIS SUPPLEMENTAL AGREEMENT I	S ENTERED INTO PURSUANT TO AUTHO Il Clauso for Contract Change			· · · · · · · · · · · · · · · · · · ·	
	d. OTHER (Specify type of modification and	t authority)				
E. IMPORT	fANT: Contractor is not,	x is required to sign this document a	nd return	coples to the lesuing office.		
14. descrip	lian of emendment/modification (Organized by	UCF section headings, including solicitation	/contract subject matter where feasible.)			
The pu	rpose of this Supplemental	Agreement is to definitize a	Space Station Change No.	tice (SSCN) 1437	7 "ISS Visiting	

Vehicle Integration Support for the Commercial Crew Transportation Capability."

15A. NAME AND TITLE OF SIGNER (Type or print) Dan V. Wegner, Contracts Negotiator, Staff	<u></u>	18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer		
16B. CONTRACTORIOFFERM (Signeture of person authorized to sign)	16C. DATE SIGNED 4.14.2015	16B. UNITED STATES OF AMERICA Palaty up of UNITED STATES OF AMERICA BY LEARON COMEAUX (Signature of Contracting Officer)	16C. DATE SIGNED - 4/14/2015	
NSN 7640-01-162-8070 PREVIOUS EDITION UNUSABLE	30- JSC MS Wo		ANDARD FORM 30 (Rev. 10-83) Prescribed by GSA	

Modification #	Mod Date	Description	Cost
4 4 9 7 7		ISS Visiting Vehicle Integration Support for the	
14377		Commercial Crew Transportation Capability	

B. Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.21 ISS Visiting Vehicle Integration Support for the Commercial Crew Transportation Capability (CCtCap) (SSCN 14377).

C. Section C, Statement of Work, is hereby updated to add the following:

6.21 ISS Visiting Vehicle Integration Support for the Commercial Crew Transportation Capability (CCtCap) (SSCN 14377).

The contractor shall perform the following activities in support of integration of the CCtCap Visiting Vehicles (Boeing CST-100 and SpaceX Dragon) with the ISS:

Develop and establish processes and interfaces between the Cargo Mission Contract (CMC) and CCtCap Vehicle Providers (Boeing CST-100 and SpaceX Dragon) to receive and deliver ISS cargo (by December 1, 2015 for SpaceX Crew Dragon and September 30, 2016 for CST-100)

Certify Cargo Transfer Bags (CTBs) and M-bags to the CCtCap vehicle environments (by December 1, 2015 for SpaceX Crew Dragon and September 30, 2016 for CST-100)

D. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 14377, "ISS Visiting Vehicle Integration Support for the Commercial Crew Transportation Capability," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

3			OMB A	pproval	No. 2700	0-0042
AMENDMENT O	F SOLICITATION/		1. CONTRACT ID CODE		PAGE OF	PAGES
	OF CONTRACT		21. (Y. 1977)		1	9
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQU	ISITION/PURCHASE REQ. NO.	5. PROJE	ECT NO. (If ap	oplicable)
Mod 143 6. ISSUED BY CODE	See Block 16C		N/A VISTERED BY (If other than Item 6)	CODE		
	BG	1			BG	
NASA Lyndon B. Johnson Space	Center		Lyndon B. Johnson Space	Center		
2101 NASA Parkway Attn: BG/Learon J. Comeaux			ASA Parkway G/Kathryn Taylor			
Houston, TX 77058			on, TX 77058			
8. NAME AND ADDRESS OF CONTRACTOR						
Lockheed Martin Engineering Se Attn: Dan V. Wegner 2625 Bay Area Blvd Houston, TX 77058						
CODE		FACILITY	CODE			
9A. AMENDMENT OF SOLICITATIO	N NO.	9B. DAT	ED (SEE ITEM 11)			
			· · · · · · · · · · · · · · · · · · ·			
10A. MODIFICATION OF CONTRAC	T/ORDER NO.		TED (SEE ITEM 13)	22 22		
X NNJ10GA35C		12/10/				
11.	THIS ITEM ONLY APPLIES TO /	MENDME	ENTS OF SOLICITATIONS			
Offers must acknowledge receipt of this amond (a) By completing items 8 and 15, and returning submitted; or (c) By separate letter or telegram BE RECEIVED AT THE PLACE DESIGNATED YOUR OFFER. If by virtue of this amondment or letter makes reference to the solicitation and 12. ACCOUNTING AND APPROPRIATION D.	Copies of the amendment; (b) which includes a reference to the solici FOR THE RECEIPT OF OFFERS PRI you desire to change an offer already s this amendment, and is received prior ATA (<i>if required</i>) Increase \$1,425	By acknowi itation and a IOR TO THI ubmitted, si to the open 5,290	edging receipt of this amendment on e imendment numbers. FAILURE OF Y(E HOUR AND DATE SPECIFIED MAY uch change may be made by telegram ing hour and date specified.	ach copy of (OUR ACKNO RESULT IN	the offor DWLEDGEME REJECTION	QF
	THIS ITEM APPLIES ONLY TO MOD T MODIFIES THE CONTRACT/ORDE					
A. THIS CHANGE ORDER IS ISSUE	D PURSUANT TO: (Specify authority)			ADE IN THE		
CONTRACT ORDER NO. IN ITEM 10						
appropriation date, etc.) SET FORTH	RACT/ORDER IS MODIFIED TO REFL IN ITEM 14, PURSUANT TO THE AUT	ECT THE A	DMINISTRATIVE CHANGES (such as F FAR 43.103(b).	changes in	paying office,	
	ENT IS ENTERED INTO PURSUANT					
d. OTHER (Specify type of modificati	on and authority)			·	<u>.</u>	
	43-2 Changes – Cost Reim	burseme	ent (AUG 1987) Alternate II	(APR 19	184)	
E. IMPORTANT: Contractor is not,	x is required to sign this docume	ent and retu	rn copies to the is	suing office.		
14. description of amendment/modification (Or	ganized by UCF section headings, inclu	uding solicit	ation/contract subject matter where fea	isible.)		
	See continuation pag	ges foi	r more details.			1
					1.2	1

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Dan V. Wegner, Contracts Negotiator	r, Staff	Learon J. Comeaux Contracting Officer	
15B_CONTRACTOR/ORFEROR (Signalure of person authorized to sign)	15C. DATE SIGNED 6.9.2015	16B. UNITED STATES OF AMERICA BY LEARON COMEAUX (Signature of Contracting Officer)	16C. DATE SIGNED 6/9/2015
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		-105 STANDAR	D FORM 30 (Rev. 10-83) Prescribed by GSA

FAR (48 CFR) 53.243

- The purpose of this Supplemental Agreement is to incorporate the cost and fee amounts for Space Station Change Notice (SSCN) 14141. The contractor shall be authorized to perform all activities required to provide NASA technical concurrence and approval for the Cargo Mission Contract (CMC) to certify the Iodine Compatible Water Container (ICWC), part number SEG33120607-303, to launch full of potable water on Cygnus and Dragon.
- Clause B.2, Total Contract Value is hereby revised to reflect the increase from \$128,752,492 by \$1,409,760 to \$130,162,252 in current cumulative contract value; an increase from (b) (4)
 for Option 2; and an increase from (b) (4)
 for Option 3. As a result of this change, replacement pages B-1, B-2, and B-3 are hereby attached.
- 4) Clause B.7 Award Fee is hereby revised to reflect the increase of the Option 2 fee total from (b) (4) by (b) (4); and the increase of the Option 3 fee total from \$ (b) (4). As a result of this change, replacement page B-6 is attached.
- 5) Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.17 Design, Certify and Fabricate Iodine Compatible Water Container (ICWC) Flight Support Equipment (FSE) to launch filled on Cygnus and Dragon (SSCN 014141)

6) Section C, Statement of Work, is hereby revised to add 6.17 as follows:

6.17 Design, Certify and Fabricate Iodine Compatible Water Container (ICWC) Flight Support Equipment (FSE) to launch filled on Cygnus and Dragon (SSCN 014141)

The contractor shall perform the following tasks:

- 1. Develop a three-bag FSE concept by 9/8/14. Develop a single-bag concept by 12/15/14.
- Certify the integrated ICWC/FSE three-bag configuration for launch on Dragon and Cygnus in accordance with SSP 50835, Common Interface Requirements Document by 2/10/15 and the single-bag configuration by 3/16/15.
- 3) Build and deliver the FSE quantities required to launch 125 ICWCs per the contract Deliverable Items List.
- Develop and maintain an Interface Requirements Document (IRD) between the ICWC and the Commercial Orbital Transportation Services (COTS) vehicles (Cygnus and Dragon). Release the IRD containing the threebag configuration by 10/3/14.
- Develop process for filling ICWCs with iodinated water utilizing an EMU water certified facility, including a wet run to demonstrate process.
- Deliver 125 integrated ICWC/FSE assemblies, which include water filled ICWCs integrated into FSE, per flight manifest requirements.

97	14141	TBD	TBD	CMC0469	ICWC FSE, three-bag concept	9*	Each	02/10/2015
<mark>98</mark>	14141	TBD	TBD	CMC0491	ICWC FSE, single-bag concept	22	Each	03/02/2015***
99	14141	TBD	TBD	CMC0470	ICWC FSE, three- bag concept	9*	Each	10/01/2015
100	14141	TBD	TBD	CMC0471	ICWC FSE, single- bag concept	24	Each	10/01/2015
101	14141	TBD	TBD	CMC0492	ICWC FSE, three- bag concept	18*	Each	12/31/2015
102	14141	TBD	TBD	CMC0493	ICWC FSE, single-bag concept	43	Each	12/31/2015

7) Section J, Attachment J-16, Deliverable Items List, is hereby revised to add the following items:

*DD250 delivery of each 3 bag concept will be made in 3 parts, each of holding one ICWC. The quantities shown in the DIL table account for this.

***Note: The initial hardware delivery for the single-bag FSE concept shall be prior to the final certification to allow sufficient time for the hardware to be packed and delivered to the launch vehicle for launch on the SpX-6 flight in early April 2015. Final certification completion shall be prior to launch of the hardware.

8) Section J, Attachment J-18, Government Furnished Data, is hereby revised to add the following items:

NASA RESP	RESP Team	LM RESP	Unique ID	Nomenclature	FLT No.	Need Date
Laura Shaw	OB	Micah Johnson		ICWC Fill Kit Sustaining Requirements	NFS	12/31/2014

9) Section J, Attachment J-19, Government Furnished Equipment, is hereby revised to add the following items:

NASA RESP	RESP Team	LM RESP	Unique ID	Nomenclature	FLT No.	Need Date
Laura Shaw	OB	Micah Johnson		ICWC Fill Kit	NFS	12/08/2014
Laura Shaw	OB	Micah Johnson		ICWC	NFS	01/06/2015
Laura Shaw	OB	Micah Johnson		ICWC	NFS	08/03/2015
Laura Shaw	OB	Micah Johnson		ICWC	NFS	10/05/2015
Laura Shaw	OB	Micah Johnson		ICWC	NFS	12/07/2015
Laura Shaw	OB	Micah Johnson		ICWC	NFS	04/01/2016
Laura Shaw	OB	Micah Johnson		ICWC	NFS	08/01/2016

10) This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete and equitable adjustments for the changes identified in the signed change directive 14141 "Certify lodine Compatible Water Container (ICWC) to launch filled on Cygnus and Dragon" the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

PART I - THE SCHEDULE

SECTION B - SUPPLIES OR SERVICES AND PRICE/COSTS

B.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE
None included by reference		

II. NASA FAR SUPPLEMENT (48 CFR CHAPTER 18) PROVISIONS

CLAUSE NUMBER	DATE	TITLE
None included by reference		

B.2 TOTAL CONTRACT VALUE

The current cumulative contract value is \$128,752,492 \$130,162,252 (including the Firm Fixed-Price (FFP) Phase-In, all Task Orders issued to date, all Underlimit Pools through Contract Year 4, and Option 1 and Option 2).

Task Order (TO) No. 001 was issued on July 12, 2011 that consisted a total price of \$3,174,829 ((b) (4) in cost and (b) (4) in fee). Task Order No. 001, Revision 01 was issued on June 8, 2012 with a total increase in price of \$410,094 ((b) (4) in cost and (b) (4) in fee). The total revised price for TO 001 is \$3,584,923 ((b) (4) in cost and (b) (4) in fee).

TO No. 002 was issued on June 28, 2013 for a total price of 2,051,327(b) (4) in cost and (b) (4) in fee). TO No. 002 Revision 01 was issued on November 18, 2013 with a total increase in price of 8188,014 (b) (4) cost and (b) (4) fee). The total revised price for TO 002 is 2,239,341 (b) (4) cost and (c) (4) fee). TO No. 003 was issued on August 28, 2013 for a total price of \$964,488 (b) (4) in cost and (b) (4) in fee).

The minimum amount of IDIQ supplies and services ordered in total and paid for under this contract shall be <u>\$15,000</u>.

The maximum not-to-exceed (NTE) value of IDIQ supplies and services ordered in total under this contract is <u>\$20 Million</u>, which includes incidental materials and travel. The maximum NTE amount does not reflect an obligation of the Government. The Government's obligation hereunder shall be based on that specified in the task/delivery orders issued during the period of the contract.

Basic Period of Performance Table

	Maximum Contract Value
Phase-In (ref Clause B.5)	(h) (1)
CPAF (ref Clause B.3)	
Remaining IDIQ (NTE)	
TOTAL	

Option 1 Table

	Maximum Contract Value
CPAF (ref Clause B.3)	(b) (1)
Remaining IDIQ (NTE)	
TOTAL	

Option 2 Table

	Maximum Contract Value
CPAF (ref Clause B.3)	
Remaining IDIQ (NTE)	
TOTAL	

Option 3 Table

	Maximum Contract Value
CPAF (ref Clause B.3)	
Remaining IDIQ (NTE)	
TOTAL	

Option 4 Table

	Maximum Contract Value
CPAF (ref Clause B.3)	
Remaining IDIQ (NTE)	
TOTAL	

Total Table

	Maximum Contract Value
FFP	(b) (4)

CPAF (ref Clause B.3)	(b) (4)
Remaining IDIQ (NTE)	
TOTAL	\$186,720,297 188,145,587

(End of clause)

B.3 NFS 1852.216-85 ESTIMATED COST AND AWARD FEE (SEP 1993)

The estimated cost of this contract is **(b)** (4) available award fee, excluding base fee, if any, is estimated cost, base fee, and maximum award fee is

. The maximum (b) (4) Total (b) (4) .

(End of clause)

B.4 NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is (b) (4). This allotment is for cargo mission services and covers the following estimated period of performance: January 1, 2011 through September 15, 2015.
- (b) An additional amount of (b) (4) is obligated under this contract for payment of fee.

(End of clause)

B.5 FUNDING FOR FIXED-PRICE ITEMS PHASE-IN

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

(b) (4) ount obligated and available for FP Milestone Payment for Phase-In is

The TOTAL FP amount obligated and available is (b) (4)

(End of clause)

B.6 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) ORDERS

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and modifications. The tasks may be dynamic in nature and may be performed in a teaming arrangement with the Government or other contractors.

IDIQ work will be ordered by the Government on a cost-reimbursement basis. The Government will issue a cost-reimbursement task order authorizing the contractor to perform all effort, or, alternatively, to define the overall requirements, performance standards, and specifications associated with the work. The Government will utilize the defined requirements, performance standards, and specifications delivered by the contractor to request a proposal for completion of the work. The negotiated proposal will form the basis for the Government to issue a cost reimbursement task order for this work. The contractor shall accept only task orders issued by the Contracting Officer. The total value of task orders issued under this clause shall not exceed \$20,000,000 during the contract period of performance. Any work which falls under SOW 5.0 and would otherwise be ordered under the IDIQ provisions of this contract, but which is valued at less than \$700,000, will be processed as an underlimit change pursuant to Clause H.16, Special Clause for Contract Changes

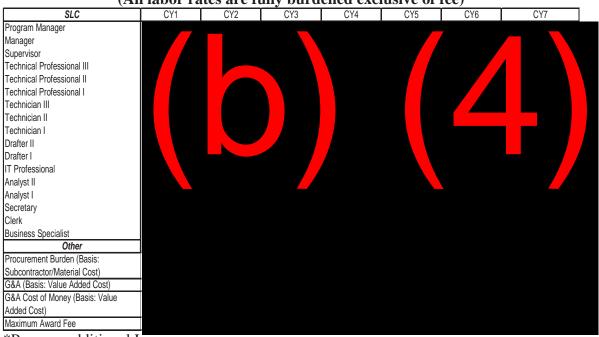
and IDIQ Task Orders, in lieu of the task ordering procedures of this contract; these SOW 5.0 underlimit changes are excluded from the value of task orders issued, and are not subject to the IDIQ maximum value.

RATE TABLE FOR PRICING TASK ORDERS

The following labor and indirect rates shall be used in the establishment of the estimated cost of individual task orders. The labor rates are fully burdened composite team rates (prime and all subcontractors); but exclude prime fee. Fee will be negotiated as it is applied to each actual Task Order and will be paid based on the negotiated arrangement. Any negotiated fee will not exceed the max fee proposed by the contractor in the table below. The indirect rates are those that may be applied to non-labor resources costs, such as materials, travel and other. These indirect rates and the basis of application must be identified at the bottom of the table.

The parties agree that the fully burdened labor rates established below shall not be subject to any adjustment (upwards or downwards), regardless of actual rates incurred during contract performance.

IDIQ Rate per Hour Table (All labor rates are fully burdened exclusive of fee)



*Propose additional L

Standard Labor Categories above. Provide a job description and qualifying education and experience for all additional labor categories.

**Rates to be applied to non-labor costs (i.e. material, travel). Identify the rates and basis of application.

(End of clause)

B.7 <u>AWARD FEE</u>

The amount of fee earned by the contractor shall be determined in accordance with Attachment J-5, Award Fee Evaluation Plan.

The amount of available and earned fee, by evaluation period, is provided in Table B-5 below:

Table B-5	Available and Earned	l Fee	r			
Basic	Evaluation Periods	Available Fee	Earned Fee	Score	Rating	AF Payment Mod
1	04/01/11 - 09/30/11	(h) (1)		96	Excellent	Mod 20
2	10/01/11 - 03/31/12		(b) (4)	96	Excellent	Mod 35
3	04/01/12 - 09/30/12			97	Excellent	Mod 53
4	10/01/12 - 03/31/13	-		97	Excellent	Mod 67
5	04/01/13 - 09/30/13	_		98	Excellent	Mod 86
6	10/01/13 - 03/31/14	_		97	Excellent	Mod 101
	TOTAL					
Option 1	Evaluation Periods	-				
7	04/01/14 - 09/30/14	-		98	Excellent	Mod 120
8	10/01/14 - 03/31/15	-		99	Excellent	Mod 147
Option 2	Evaluation Periods	-				
9	04/01/15 - 09/30/15					
10	10/01/15 - 03/31/16					
Option 3	Evaluation Periods					
11	04/01/16 - 09/30/16					
12	10/01/16 - 03/31/17	-				
Option 4	Evaluation Periods	_				
13	04/01/17 - 09/30/17	_				
14	10/01/17 - 03/31/18					

d of clause)

	AMENDMENT OF MODIFICATION			1. CONTRACT ID CODE	1-4	PAGE OF PAGES	
2. AME	NDMENT/MODIFICATION NO. Mod 144	3. EFFECTIVE DATE See Block 16C	4. REQU	ISITION/PURCHASE REQ. NO. N/A	5. PROJE	CT NO. (If applicable)	
6. ISSI		BG	7. ADMIN	ISTERED BY (If other than Item 6)	CODE	BG	
2101 Attn:	A Lyndon B. Johnson Space NASA Parkway BG/Learon Comeaux ton, TX 77058	Center	2101 N Attn: B0	yndon B. Johnson Space Ce ASA Parkway G/Learon Comeaux n, TX 77058	nter	2	
Locki Attn: 2625	e and address of contractor need Martin Engineering Ser Dan V. Wegner Bay Area Blvd ton, TX 77058	79	ode)				
CODE			FACILITY	CODE			
	9A. AMENDMENT OF SOLICITATION	1 NO.	9B. DAT	ED (SEE ITEM 11)			
x	10A. MODIFICATION OF CONTRACT NNJ10GA35C	T/ORDER NO.	10B. DATED (SEE ITEM 13) 12/10/10				
	11.	THIS ITEM ONLY APPLIES TO /		INTS OF SOLICITATIONS	i.		
(a) By (submitt BE RE(YOUR	he above numbered solicitation is amena must acknowledge receipt of this amend completing items 8 and 15, and ed; or (c) By separate letter or telegram CEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amendment makes reference to the solicitation and	ment prior to the hour and date specifi Copies of the amendment; (b) which includes a reference to the solid FOR THE RECEIPT OF OFFERS PR you desire to change an offer already	By acknow citation and CIOR TO TH Submitted, s	licitation or as amended, by one of th edging receipt of this amendment on amendment numbers. FAILURE OF E HOUR AND DATE SPECIFIED MA such change may be made by telegra	each copy of YOUR ACKN Y RESULT I	the offor IOWLEDGEMENT TO N REJECTION OF	
12. AC	COUNTING AND APPROPRIATION DA	ATA (If required) N/A					
		THIS ITEM APPLIES ONLY TO MOD MODIFIES THE CONTRACT/ORDE					
	A. THIS CHANGE ORDER IS ISSUE CONTRACT ORDER NO. IN ITEM 10	방송 가지 않는 것은 것이 가지 않는 것이 같아. 이 것이 집에 집에 가지 않는 것이 없는 것이 없다.) THE CHA	NGES SET FORTH IN ITEM 14 ARE	MADE IN TH	E	
	B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FORTH				as changes i	n paying office,	
х	C. THIS SUPPLEMENTAL AGREEM MUTUAL AGREEMENT (TO AUTHO	DRITY OF:		17 See as a 2000 with 12 and	
	d. OTHER (Specify type of modification	on and authority)			2		
	ORTANT: Contractor is not,	X is required to sign this docum					
14. de	scription of amendment/modification (Or	(See continu			oaa nn o .)	3	

15A. NAME AND TITLE OF SIGNER (Type or print)	ે.	16A. NAME AND TITLE OF CONTRACTING OFFICER ((Type or print)
Dan V. Wegner, Contracts Negotiator,	Staff	Learon Comeaux, Contracting Officer	
15B. CONTRACTOR/ØFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BULLARON COMFAUX	16C. DATE SIGNED
and him	12.3.2015	BY LEARON COMEAUX 004/00/00/00/00/00/00/00/00/00/00/00/00/	12/3/2015
(Signature of person authorized to sign)		(Signature of Contracting Officer)	12/0/2010
NSN 7540-01-152-8070	30-	105 STANDAR	D FORM 30 (Rev. 10-83)
PREVIOUS EDITION UNUSABLE	JSC MS W	ord (Aug 95)	Prescribed by GSA FAR (48 CFR) 53,243
			FAR (40 UFR) 33.243

NNJ10GA35C Modification 144 Page 2 of 2

- 1. The purpose of this modification is to add the following clauses, at no cost to the parties, to the contract:
- 2. Section A, Table of Contents, Subsection H, Special Contract Requirements, is hereby updated to add the following:

H.23 LIABILITY FOR SPECIFIC CONTRACTOR AND SUBCONTRACTOR PROPERTY H-24

 Section H, Special Contract Requirements, H.5 NFS 1852.235-71 Key Personnel and Facilities (MAR 1989), is hereby deleted in its entirety and replace with the following (all changes are noted with bold and italics):

H.5 NFS 1852.235-71 KEY PERSONNEL AND FACILITIES (MAR 1989)

- (a) The personnel and/or facilities listed below (or specified in the contract Schedule) are considered essential to the work being performed under this contract. Before removing, replacing, or diverting any of the listed or specified personnel or facilities, the contractor shall (1) notify the Contracting Officer reasonably in advance, and (2) submit justification (including proposed substitutions) in sufficient detail to permit evaluation of the impact on this contract.
- (b) The contractor shall make no diversion without the Contracting Officer's written consent; provided that the Contracting Officer may ratify in writing the proposed change, and that ratification shall constitute the Contracting Officer's consent required by this clause.
- (c) The list of personnel and/or facilities (shown below or as specified in the contract schedule) may, with the consent of the contracting parties, be amended from time to time during the course of the contract to add or delete personnel and/or facilities.

Nanette Hardin - Program Manager

Michael Gerlach – Deputy Program Manager (b) (4) – Business Manager (b) (4) – Alternate Business Manager (b) (4) – Safety and Mission Assurance

(End of clause)

4. Section H, Special Contract Requirements, is hereby updated to add the following:

H.23 LIABILITY FOR SPECIFIC CONTRACTOR AND SUBCONTRACTOR PROPERTY

(a) The Government shall not (1) be liable for damage to, or loss or destruction of, contractor's property, to include any of their subcontractor's property, during transportation to storage or (2) be held liable for damage to, or loss or destruction of such property while in Government facilities.

(b) This clause specifically applies only to the storage of a 108"x88" aircraft pallet with 8 attached coach class airline seats and 8 individual O2 bottles (one per seat) at a NASA facility at EFD (Ellington Field, TX) for use only for the performance of this contract

(End of clause)

	AMENDMENT OF MODIFICATION			1. CONTRACT ID CODE	· · ·	PAGE OF PAGES
2. AMEND	MENT/MODIFICATION NO. Mod 145	3. EFFECTIVE DATE See Block 16C	4. REQUI	SITION/PURCHASE REQ. NO. N/A	5. PROJEC	CT NO. (if applicable)
6. ISSUED	BY CODE	BG	7. ADMIN	STERED BY (If other than Item 6) CODE	BG
2101 N/ Attn: BC	yndon B. Johnson Space Cent ASA Parkway 8/Learon J. Comeaux 9, TX 77058	ρ. 	2101 N Attn: B	.yndon B. Johnson Sp ASA Parkway 3/Kathryn Taylor n, TX 77058	ace Center	
8. NAME A	ND ADDRESS OF CONTRACTOR (No., sinee	, county, State, and ZIP Code)			, , , , , , , , , , , , , , , , ,	· · · · · · · · · · · · · · · · · · ·
Attn: Da 2625 Ba	ed Martin Engineering Services an V. Wegner ay Area Bivd n, TX. 77058	·				
CODE		**	FACILITY	CODE		
	9A. AMENDMENT OF SOLICITATION NO.	· · · · · · · · · · · · · · · · · · ·	98. DATE	D (SEE ITEM 11)		
x	10A. MODIFICATION OF CONTRACT/ORD NNJ10GA35C	er no.	108, DAT 12/10/1	D (SEE ITEM 13) O	<u></u>	•••••
	1	1. THIS ITEM ONLY APPLIES TO A	MENDMEN'	S OF SOLICITATIONS		
Offers must	e above numbered soliditation is amended as acknewledge receipt of this amendment prior	set forth in liem 14. The hour and date spe o the hour and date specified in the soliditat	cified for recel Ion or as ame	of of Offers ided, by one of the following meti	ls extended, node:	ls not extended.
submitted; (BE RECEIV	ileling litems 8 and 15, and returning or (c) By separate letter or telegram which indu (ED AT THE PLACE DESIGNATED FOR THE ER. If by virtue of this amendment you desire	RECEIPT OF OFFERS PRIOR TO THE HO	idment numbe DUR AND DAT	IS. FAILURE OF YOUR ACKNO E SPECIFIED MAY RESULT IN	WLEDGEMENT TO REJECTION OF	
or letter ma	kes reference to the solidiation and this among	ment, and is received prior to the opening h				· · · · · · · · · · · · · · · · · · ·
12. ACCOL	JNTING AND APPROPRIATION DATA (II requ	ired)		··· ·		
,		13. THIS ITEM APPLIES ONLY TO MODIF IT MODIFIES THE CONTRACT/ORDER	ICATIONS O	CONTRACTS/ORDERS, CRIBED IN ITEM 14.(x)	· · ·	
	A. THIS CHANGE ORDER IS ISSUED PUF CONTRACT ORDER NO. IN ITEM 10A.				THE	
	B. THE ABOVE NUMBERED CONTRACT/ appropriation date, etc.) SET FORTH IN ITE	ORDER IS MODIFIED TO REFLECT THE A M 14, PURSUANT TO THE AUTHORITY O	DMINISTRAT	IVE CHANGES (such as changes (b).	e in paying office,	
X	C. THIS SUPPLEMENTAL AGREEMENT IS Contract Clause H. 16, Specia			Q Task Orders		· · · · · · · · · · · · · · · · · · ·
	d. OTHER (Specify type of modification and	authorily)				
E. IMPORT	ANT: Contractor	X Is required to sign this document a	nd return	1 copies	to the leaving office.	
14. deecrip	tion of amendment/modification (Organized by	UCF section headings, including solicitation	/confract sub/	ect matter where feasible.)		· · · · · · · · · · · · · · · · · · ·

The purpose of this Supplemental Agreement is to definitize Space Station Change Notice (SSCN) 14471 "Build-toprint replacement of Photo/TV hardware lost on Orbital-3"

.

16A. NAME AND TITLE OF SIGNER (Type or print) Dan V. Wegner, Contracts Negotiator, Staff		16A. NAME AND TITLE OF CONTRACTING OFFICER (Typ Learon J. Comeaux, Contracting Officer	ə or print)
16B. CONTRACTOR/OFFEROR (Signalure of person utiliprized to sign)	16C. DATE SIGNED 5.28.2015	16B. UNITED STATES OF AMERICA by the of the Control	6/01/2015
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30- JSC MS Wo		TANDARD FORM 39 (Rev. 10-63) Prescribed by GSA FAR (48 CFR) 63.243

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	• • • • • • • • • • • • • • • • • • •	Cost
14471		Build-to- print replacement of Photo/TV hardware lost on Orbital-3	·	

B. Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.27 Build-to-print replacement of Photo/TV hardware lost on Orbital-3 (SSCN 14471).

C. Section C, Statement of Work, is hereby updated to add the following:

6.27 Build-to-print replacement of Photo/TV hardware lost on Orbital-3 (SSCN 14471).

The contractor shall:

- 1. Deliver a quantity of 3 each of D4 EVA Blanket and Lens Cap to NASA (via DD1149) for bake-out by 09/07/2015.
- 2. Provide a quantity of 1 Class III D4 EVA Blanket to NASA (via DD1149) by 10/30/2015 for training.
- 3. Provide a quantity of 1 Class III EVA Lens Cap to NASA (via DD1149) by 10/30/2015 for training.
- D. Section J, Attachment J-16, Deliverable Items List, is hereby updated to add the following:

Section J, Attachment J-16, Deliverable Items List

NO	CHANGE NUMBER	PART NUMBER	SERIAL NUMBER	LM ID NO.	NOMENCLATURE	QTY	υνιτ	DD250 DATE
1	14471	SDG33124662- 001	1023	CMC0512	Nikon D4 Camera Rail	1	Each	10/30/2015
2	14471	SED33102474- 301	N/A	CMC0513	Multi-Use Bracket Adapter Assembly	10	Each	10/30/2015
3	14471	SEG33124651- 301	TBD	CMC0514	D4 EVA Thermal Blanket Assembly	2	Each	10/30/2015
4	14471	SEG33124660- 301	TBD	CMC0515	EVA Lens Cap Assembly	2	Each	10/30/2015

E. Section J, Attachment J-18, Government Furnished Data, is hereby updated to add the following:

Section J, Attachment J-18, Government Furnished Data

NASA RESP	 LM RESP	UNIQUE ID		1	NEED DATE
Stephen Hunter	Brad Henry	1	EVA Thermal Blanket and Lens Cap Thermal Bake-out results (SSCN 14471)	NFS	09/29/2015

F. Section J, Attachment J-19, Government Furnished Equipment, is hereby updated to add the following:

NASA RESP	RESP TEAM	LM RESP	UNIQUE ID	NOMENCLATURE	QTY	FLT NÖ.	NEED DATE
Stephen Hunter	OD	Brad Henry	11	Ghost Camera Kit (SSCN 14471)	10	NFS	04/30/2015
Stephen Hunter	OD	Brad Henry	1	USB Power Module (SSCN 14471)	10	NFS	04/30/2015
Stephen Hunter	OD	Brad Henry		Ghost USB Cable (SSCN 14471)	11	NFS	04/30/2015
Stephen Hunter	OD	Brad Henry		Ghost HDMI Cable (SSCN 14471)		NFS	04/30/2015
Stephen Hunter	OD	Brad Henry		32GB MicroSD Card (SSCN 14471)	25	NFS	04/30/2015

Section J, Attachment J-19, Government Furnished Equipment

G. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 14471, "Build-to-print replacement of Photo/TV hardware lost on Orbital-3," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

	AMENDMENT OF MODIFICATION			1. CONTRACT ID CODE		PAGE OF PAGES	
2. AME	NDMENT/MODIFICATION NO.	3. EFFECTIVE DATE See Block 16C	4. REQU	ISITION/PURCHASE REQ. NO. 4200551415	5. PROJE	CT NO. (If applicable)	
6. ISSL	IED BY CODE		7. ADMIN	ISTERED BY (If other than Item 6)	CODE		
NASA Lyndon B. Johnson Space Center		NASA	Lyndon B. Johnson Space	Center	h		
	NASA Parkway			IASA Parkway			
Attn: BG/Learon Comeaux			G/Kathryn Taylor				
Houst	ton, TX 77058		Housto	on, TX 77058			
8. NAM	E AND ADDRESS OF CONTRACTOR	No., street, county, State, and ZIP Co	ode)				
Lockh	need Martin Integrated Syste	ms, Inc.					
	Dan V. Wegner						
	Bay Area Blvd						
Houst	ton, TX 77058				•		
CODE		· ····································	FACILITY	CODE			
	9A. AMENDMENT OF SOLICITATION	NO.		ED (SEE ITEM 11)			
х	10A. MODIFICATION OF CONTRACT NNJ10GA35C	ØRDER NO.	10B. DATED (SEE ITEM 13) 12/10/10				
	11	THIS ITEM ONLY APPLIES TO A		NTS OF SOLICITATIONS			
Offers n (a) By c submitte BE REC YOUR (or letter	te above numbered solicitation is amend nust acknowledge receipt of this amendr ompleting items 8 and 15, and ed; or (c) By separate letter or telegram to EIVED AT THE PLACE DESIGNATED DFFER. If by virtue of this amendment y makes reference to the solicitation and COUNTING AND APPROPRIATION DA	nent prior to the hour and date specific Copies of the amendment; (b) which includes a reference to the solic FOR THE RECEIPT OF OFFERS PR ou desire to change an offer already s his amendment, and is received prior TA (If required)	ed in the so By acknowt itation and a IOR TO TH submitted, s to the open	licitation or as amended, by one of the edging receipt of this amendment on e amendment numbers. FAILURE OF Y E HOUR AND DATE SPECIFIED MAY uch change may be made by telegram ing hour and date specified.	ach copy of OUR ACKNO Y RESULT IN	the offor DWLEDGEMENT TO I REJECTION OF	
	13 1	Increase fundin THIS ITEM APPLIES ONLY TO MODI					
		MODIFIES THE CONTRACT/ORDER					
	A. THIS CHANGE ORDER IS ISSUED CONTRACT ORDER NO. IN ITEM 10/		THE CHAN	IGES SET FORTH IN ITEM 14 ARE N	MADE IN THE	E	
	B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FORTH I				s changes in	paying office,	
	C. THIS SUPPLEMENTAL AGREEME	ENT IS ENTERED INTO PURSUANT	TO AUTHO	RITY OF:			
x	d. OTHER (Specify type of modification Contract Clauses I.1; 52.23	n and authority) 2-22 Limitation of Funds (A	APR 198	34)		·	
E. IMP	DRTANT: Contractor X is not,	is required to sign this docume	ent and retu	n copies to the iss	suing offic e .		
14. des	cription of amendment/modification (Org	anized by UCF section headings, incl	uding solici	ation/contract subject matter where fe	asible.)		
	e purpose of this modifi ount of funding by \$5,8	-			ncrease	es the	

See continuation pages for more details.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Learon J. Comeaux, Contracting Officer	Type or print)
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY LEARON COMEAUX Det Million Common Commo	16C. DATE SIGNED 5/14/2015
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		-105 STANDARD ford (Aug 95)	D FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

B.4 NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Europy clause, the total amount allotted by the Government to this contract is This allotment is for cargo mission services and covers the following estimated period of performance: January 1, 2011 through September 15, 2015 December 24, 2015.
- (b) An additional amount of **sector and the sector is obligated under this contract for payment of** fee.

(End of clause)

B.5 FUNDING FOR FIXED-PRICE ITEMS PHASE-IN

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

The EP amount obligated and available for FP Milestone Payment for Phase-In is

The TOTAL FP amount obligated and available is

(End of clause)

B.6 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) ORDERS

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and modifications. The tasks may be dynamic in nature and may be performed in a teaming arrangement with the Government or other contractors.

IDIQ work will be ordered by the Government on a cost-reimbursement basis. The Government will issue a cost-reimbursement task order authorizing the contractor to perform all effort, or, alternatively, to define the overall requirements, performance standards, and specifications associated with the work. The Government will utilize the defined requirements, performance standards, and specifications delivered by the contractor to request a proposal for completion of the work. The negotiated proposal will form the basis for the Government to issue a cost reimbursement task order for this work.

	RVICES CENTER ENTER, MS 39529-6000	d Fee Payment Transmittal
Urge Attach Award Fee Modifi	ent - This Payment Must be Proces cation and Send Form by E-mail to NSSC-Accounts	sPayable@nasa.gov or Fax to 866-209-5415
Contract Number:	2. Contractor Name:	3. Modification Number:
NNJ10GA35C	Lockheed Marting Integrated System	ns, Inc. 147
Authorized Payment Amount:	5. NASA Center:	
(b) (4)	JSC - Joh	nnson Space Center
Center Point of Contact (POC	:	7. Center POC Phone Number
Learo	n Comeaux/Contracting Officer	(281) 483-6525

AMENDMENT OF SOLICITATION/			1. CONTRACT ID CODE			PAGE OF PAGES		
MODIFICATION OF CONTRACT						1	4	
2. AMENDMENT/MODIFICA Mod 147		3. EFFECTIVE DATE See Block 16C	4. REQU	ISITION/PURCHASE REQ. NO.	5. PROJEC	CT NO. <i>(If a</i> p	oplicable)	
6. ISSUED BY	CODE	BG	7. ADMIN	IISTERED BY (If other than Item 6)	CODE	BG		
NASA Lyndon B. Johnson Space Center			NASA Lyndon B. Johnson Space Center					
2101 NASA Parkway	/		2101 N	IASA Parkway				
Attn: BG/Learon J. C	omeaux		Attn: B	G/Learon J. Comeaux				
Houston, TX 77058			Housto	n, TX 77058				

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and ZIP Code)

Lockheed Martin Integrated Systems, Inc. Attn: Dan V. Wegner 2625 Bay Area Blvd. Houston, TX 77058

CODE	32RN8	FACILITY CODE					
	9A. AMENDMENT OF SOLICITATION NO.	9B. DATED (SEE ITEM 11)					
	10A. MODIFICATION OF CONTRACT/ORDER NO.	10B. DATED (SEE ITEM 13)					
Х	NNJ10GA35C	12/10/10					
	11. THIS ITEM ONLY APPLIES TO A	MENDMENTS OF SOLICITATIONS					
Т	he above numbered solicitation is amended as set forth in Item 14. The hour a	and date specified for receipt of Offers is extended, is not extended.					
Offers r	nust acknowledge receipt of this amendment prior to the hour and date specifi	ed in the solicitation or as amended, by one of the following methods:					
(a) By (completing Items 8 and 15, and Copies of the amendment; (b)	By acknowledging receipt of this amendment on each copy of the offor					
. , ,		itation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO					
		IOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF					
YOUR	OFFER. If by virtue of this amendment you desire to change an offer already s	submitted, such change may be made by telegram or letter, provided each telegram					
or letter	makes reference to the solicitation and his amendment, and is received prior	to the opening hour and date specified.					
12. AC	COUNTING AND APPROPRIATION DATA (If required)						
	13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.(x)						
	A. THIS (HANGE ORDER IS ISSUED PURSUANT TO: (Specify authority)	THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE					
	CONTRACT ORDER NO. IN ITEM 10A.						
		THE THE TATILE AND S I AND SING of ce,					
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT	TO AUTHORITY OF:					
d. OTHER (Specify type of modification and authority)							
X Clause G.2 NFS 1852.216-76 Award Fee for Service Contracts (JUN 2000)							
E. IMPORTANT: Contractor X is not, is required to sign this document and return copies to the issuing office.							

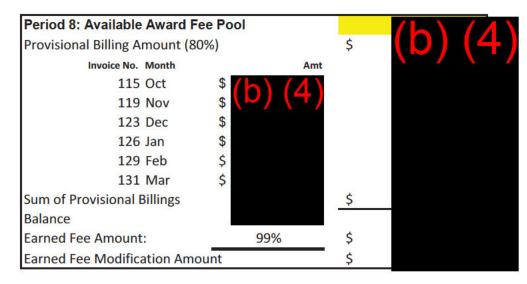
14. description of amendment/modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible)

The purpose of this modification is to recognize the award fee earned for evaluation Period 8. The Contractor will be paid (b) (4) based on this modification. The contractor is not to submit a voucher for earned award fee.

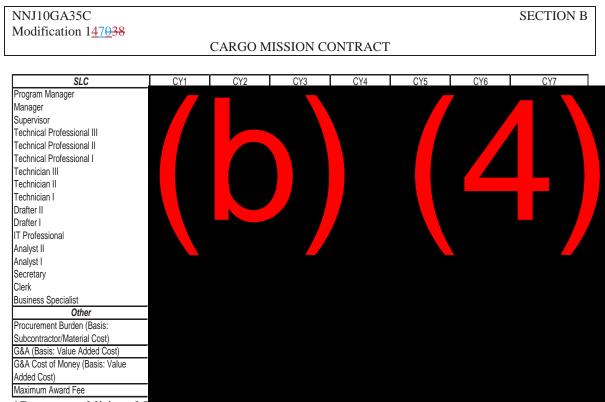
All other Terms and Conditions shall remain the same.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (<i>Type or print</i>) Learon J. Comeaux, Contracting Officer		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA, LEARON COMEAUX DR. CLUS and S Government ou-MASA ou-PV GALEARON COMEAUX 9232412020301011 Hommaux Date:2015019162316 d50	16C. DATE	
(Signature of person authorized to sign)		(Signature of Contracting Officer)	5/19/2015	
NSN 7540-01-152-8070	30-1	05 STANDARD	EORM 30 (Rev. 10-83)	

 The purpose of this modification is to recognize the award fee earned for evaluation Period 8, which was from October 1, 2014 through March 31, 2015. The FDO has determined that a score of 99 – Excellent has been earned for Period 8.



2. <u>Section B.7 Award Fee</u>: B.7 has been updated to include the Award Fee earned for Period 8. As a result of this change, pages B-5 and B-6 are hereby attached.



*Propose additional L

Standard Labor Categories above. Provide a job description and qualifying education and experience for all additional labor categories.

**Rates to be applied to non-labor costs (i.e. material, travel). Identify the rates and basis of application.

(End of clause)

B.7 <u>AWARD FEE</u>

The amount of fee earned by the contractor shall be determined in accordance with Attachment J-5, Award Fee Evaluation Plan.

The amount of available and earned fee, by evaluation period, is provided in Table B-5 below:

Table B-5	Table B-5 Available and Earned Fee							
Basic	Evaluation Periods	Available Fee	Earned Fee	Score	Rating	AF Payment Mod		
1	04/01/11 - 09/30/11			96	Excellent	Mod 20		
2	10/01/11 - 03/31/12			96	Excellent	Mod 35		
3	04/01/12 - 09/30/12			97	Excellent	Mod 53		
4	10/01/12 - 03/31/13			97	Excellent	Mod 67		
5	04/01/13 - 09/30/13			98	Excellent	Mod 86		
6	10/01/13 - 03/31/14			97	Excellent	Mod 101		
	TOTAL							
Option 1	Evaluation Periods							
	•			•	•			

	J10GA35C dification 1 <u>47038</u>					SECTION B	
CARGO MISSION CONTRACT							
7	04/01/14 - 09/30/14			98	Excellent	Mod 120	
8	10/01/14 - 03/31/15			<u>99</u>	Excellent	<u>Mod 147</u>	
Option 2	Evaluation Periods						
9	04/01/15 - 09/30/15						
10	10/01/15 - 03/31/16						
Option 3	Evaluation Periods						
11	04/01/16 - 09/30/16						
12	10/01/16 - 03/31/17						
Option 4	Evaluation Periods						
13	04/01/17 - 09/30/17						
14	10/01/17 - 03/31/18						

(End of clause)

AMENDMENT OF SOLICITATION/ MODIFICATION OF CONTRACT				1. CONTRACT ID CODE			PAGE OF PAGES	
2. AM	ENDMENT/MODIFICATION NO. Mod 148	3. EFFECTIVE DATE See Block 16C	4. REQU	ISITION/PURCHAS	E REQ. NO.	5. PROJE	CT NO. (If applicable)	
6. ISS	UED BY CODE	BG				CODE	BG	
NAS	A Lyndon B. Johnson Space	Center	NASA	Lyndon B. Jo	hnson Space	Center	I	
	NASA Parkway			ASA Parkwa				
Attn	BG/Learon Comeaux		Attn: B	G/Kathryn T	aylor			
Hou	ston, TX 77058		Housto	on, TX 77058				
8. NAI	ME AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP	P Code)	ġ.	2			
Lock	heed Martin Engineering Se	rvices						
	Dan V. Wegner							
2625	Bay Area Blvd							
Hous	ston, TX 77058							
CODE		ny here i dage og ser	FACILITY	CODE	· · · · · · · · · · · · · · · · · · ·			
	9A. AMENDMENT OF SOLICITATIO	N NO.	9B. DAT	ED (SEE ITEM 11)			and the second	
10A. MODIFICATION OF CONTRACT/ORDER NO. X NNJ10GA35C			10B. DATED (SEE ITEM 13) 12/10/10					
	, 11.	THIS ITEM ONLY APPLIES TO	O AMENDME	NTS OF SOLICI	TATIONS			
(a) By submit BE RE YOUR or lette	he above numbered solicitation is amen must acknowledge receipt of this amend completing Items 8 and 15, and ted; or (c) By separate letter or telegram CEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amendment r makes reference to the solicitation and COUNTING AND APPROPRIATION D.	Copies of the amendment; which includes a reference to the s FOR THE RECEIPT OF OFFERS you desire to change an offer alread this amendment, and is received p	(b) By acknowl olicitation and a PRIOR TO TH dy submitted, s	icitation or as amen adging receipt of th amendment numbe E HOUR AND DAT uch change may be	is amendment on of the samendment on of the samendment on of the same of the s	each copy of YOUR ACKN	the offor OWLEDGEMENT TO N REJECTION OF	
	13.	THIS ITEM APPLIES ONLY TO MO T MODIFIES THE CONTRACT/ORI	ODIFICATIONS	OF CONTRACTS	ORDERS, M 14.(x)	•	· · · ·	
	A. THIS CHANGE ORDER IS ISSUE CONTRACT ORDER NO. IN ITEM 10	D PURSUANT TO: (Specify author				MADE IN TH	E	
	B. THE ABOVE NUMBERED CONTI appropriation date, etc.) SET FORTH				CHANGES (such a	as changes ir	n paying office,	
	C. THIS SUPPLEMENTAL AGREEN	IENT IS ENTERED INTO PURSUA	NT TO AUTHO	RITY OF:				
х	d. OTHER (Specify type of modificati Contract Clauses I.1; 52.24		bursement	(AUG 1987)	Alternate II (APR 198	4)	
E. IMF	ORTANT: Contractor is not,	x is required to sign this docu			copies to the is			
14. de	scription of amendment/modification (O	rganized by UCF section headings,	including solicil	alion/contract subje	ect matter where fe	əasiblə.)	11 1. CM 1.000	

See continuation pages for more details.

15A. NAME AND TITLE OF SIGNER (Type or print) Dan V. Wegner, Contracts Negotiato		16A. NAME AND TITLE OF CONTRACTING OFFICER Learon Comeaux, Contracting Officer	(Type or print)
15B CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED 1.15.2015	16B. UNITED STATES OF AMERICA dy LERON COMENIX BY LEARON COMEAUX 92301 1900000 100 11-loomaax (Signature of Contracting Officer)	18C. DATE SIGNED 7-15-2015
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE		105 STANDAR ord (Aug 95)	Prescribed by GSA FAR (48 CFR) 53,243

- The purpose of this Supplemental Agreement is to incorporate the cost and fee amounts for Contract Year 5 (CY5) Underlimit (UL) Pool changes, pursuant to clause H.16: Special Clause for Contract Changes and IDIQ Task Orders. For the period of April 1, 2015 through March 31, 2016, UL Pool changes that have an absolute value less than \$700,000 are executed through the above contract provision.
- Clause B.2, Total Contract Value is hereby revised to reflect the increase from \$130,162,252 by \$715,641 to \$130,877,893 in cumulative base contract value; an increase from (b) (4) by (b) (4) for Option 2. As a result of this change, replacement page B-1, B-2, and B-3 are hereby attached.
- 3) Clause B.3, NFS 1852.216-85 Estimated Cost and Award Fee is hereby revised to reflect the increase from
 (b) (4) 5 and the award fee increased from
 (b) (4) . As a result of this change, replacement page B-3 is attached.
- Clause B.7, Award Fee, is hereby revised to reflect the increase in the amount of available and earned fee, by evaluation period, provided in Table B-5.
- 5) This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the Contractor's Contract Year 5 Underlimit Pool Proposal, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

PART I - THE SCHEDULE

SECTION B - SUPPLIES OR SERVICES AND PRICE/COSTS

B.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE
None included by reference		

II. NASA FAR SUPPLEMENT (48 CFR CHAPTER 18) PROVISIONS

ITLE

B.2 TOTAL CONTRACT VALUE

The current cumulative contract value is \$130,162,252 \$130,877,893 (including the Firm Fixed-Price (FFP) Phase-In, all Task Orders issued to date, all Underlimit Pools through Contract Year 5, and Option 1 and Option 2).

Task Order (TO) No. 001 was issued on July 12, 2011 that consisted a total price of \$3,174,829 ((b) (4) in cost and (b) (4) in fee). Task Order No. 001, Revision 01 was issued on June 8, 2012 with a total increase in price of \$410,094 (b) (4) in cost and (b) (4) in fee). The total revised price for TO 001 is \$3,584,923 ((b) (4) in cost and (b) (4) in fee).

TO No. 002 was issued on June 28, 2013 for a total price of 2,051,327(b) (4) in cost and (b) (4) in fee). TO No. 002 Revision 01 was issued on November 18, 2013 with a total increase in price of 8188,014 (b) (4) cost and (b) (4) fee). The total revised price for TO 002 is 2,239,341 (b) (4) cost and (b) (4) fee). TO No. 003 was issued on August 28, 2013 for a total price of 964,488 (b) (4) in cost and (b) (4) in fee).

The minimum amount of IDIQ supplies and services ordered in total and paid for under this contract shall be \$15,000.

The maximum not-to-exceed (NTE) value of IDIQ supplies and services ordered in total under this contract is <u>\$20 Million</u>, which includes incidental materials and travel. The maximum NTE amount does not reflect an obligation of the Government. The Government's obligation hereunder shall be based on that specified in the task/delivery orders issued during the period of the contract.

Basic Period of Performance Table

	Maximum Contract Value
Phase-In (ref Clause B.5)	(b) (1)
CPAF (ref Clause B.3)	
TOTAL	

Option 1 Table

	Maximum Contract Value
CPAF (ref Clause B.3)	(b) (1)
TOTAL	

Option 2 Table

	Maximum Contract Value
CPAF (ref Clause B.3)	(b) (1)
TOTAL	

Option 3 Table

	Maximum Contract Value
CPAF (ref Clause B.3)	(h) (1)
TOTAL	

Option 4 Table

	Maximum Contract Value			
CPAF (ref Clause B.3)	$(h)(\Lambda)$			
TOTAL				

Total Table

	Maximum Contract Value
FFP	
CPAF (ref Clause B.3)	(D) (4)
Remaining IDIQ (NTE)	
TOTAL	<u>\$188,145,587</u>
IOTAL	<u>\$188,861,228</u>

(End of clause)

B.3 NFS 1852.216-85 ESTIMATED COST AND AWARD FEE (SEP 1993)

B.7 AWARD FEE

The amount of fee earned by the contractor shall be determined in accordance with Attachment J-5, Award Fee Evaluation Plan.

The amount of available and earned fee, by evaluation period, is provided in Table B-5 below:

Table B-5	Table B-5 Available and Earned Fee							
Basic	Evaluation Periods	Available Fee	Earned Fee	Score	Rating	AF Payment Mod		
1	04/01/11 - 09/30/11			96	Excellent	Mod 20		
2	10/01/11 - 03/31/12			96	Excellent	Mod 35		
3	04/01/12 - 09/30/12			97	Excellent	Mod 53		
4	10/01/12 - 03/31/13			97	Excellent	Mod 67		
5	04/01/13 - 09/30/13			98	Excellent	Mod 86		
6	10/01/13 - 03/31/14			97	Excellent	Mod 101		
	TOTAL							
Option 1	Evaluation Periods							
7	04/01/14 - 09/30/14			98	Excellent	Mod 120		
8	10/01/14 - 03/31/15			99	Excellent	Mod 147		
Option 2	Evaluation Periods							
9	04/01/15 - 09/30/15							
10	10/01/15 - 03/31/16							
Option 3	Evaluation Periods							
11	04/01/16 - 09/30/16			Ĩ				
12	10/01/16 - 03/31/17							
Option 4	Evaluation Periods							
13	04/01/17 - 09/30/17							
14	10/01/17 - 03/31/18							

(End of clause)

	A B HIP I HAR I HAR I HAR I HAR I HAR I			4.00500000		PAGE OF PAGES
	AMENDMENT OF MODIFICATION			1. CONTRACT ID CODE	<u></u>	1 2
2. AMEN	IDMENT/MODIFICATION NO. Mod 149	3. EFFECTIVE DATE See Block 16C	4. REQUIS	ITION/PURCHASE REQ. NO.	5, P	ROJECT NO. (If applicable)
6. ISSUE	D BY CODE	BG	7. ADMINIE	STERED BY (II other than Item 6)	¢0	de BG
2101 I Attn: E	Lyndon B. Johnson Space Cer NASA Parkway 3G/Learon J. Comeaux on, TX 77058	iter	2101 N/ Attn: BG	yndon B. Johnson Spa ASA Parkway 6/Kathryn Taylor n, TX 77058	ace Center	<u> </u>
8. NAME	AND ADDRESS OF CONTRACTOR (No., sin	eet, county, State, and ZIP Code)				_ · · · · · · · · · · · · · · · · · · ·
Lockh Attn: 2625 I	eed Martin Engineering Service Dan V. Wegner Bay Area Bivd on, TX 77058		•			
		· · ·				· · · · · · · · · · · · · · · · · · ·
CODE			FACILITY			
 /	9A. AMENDMENT OF SOLICITATION NO.	• .	9B. DATEC	(SEE ITEM 11)		
х	10A. MODIFICATION OF CONTRACT/ORD	ER NO.	10B. DATE 12/10/1	D (SEE ITEM 13) O		
		11. THIS ITEM ONLY APPLIES TO A	AMENDMEN	TS OF SOLICITATIONS		· · · ·
	e above numbered solicitation is amended as				Is extende	d, ls not extended.
submille BE RECI YOUR O or feller r	mpleting items 8 and 15, and returning d; or (c) By separate letter or telegram which in EIVED AT THE PLACE DESIGNATED FOR TH FFER. If by virtue of this amendment you desi makes reference to the solicitation and this ame COUNTING AND APPROPRIATION DATA (<i>if n</i>	LE RECEIPT OF OFFERS PRIOR TO THE re to change an offer already submilled, suc Indmeni, and is received prior to the openin Aquired)	mendment num HOUR AND D Ich change may ng hour end dat	bera. FAILURE OF YOUR ACKN ATE SPECIFIED MAY RESULT I be made by talegram or letter, p e specified.	IOWLEDGEMEN	Т ТО F
		13. THIS ITEM APPLIES ONLY TO MOD IT MODIFIES THE CONTRACT/ORDE	DIFICATIONS C	OF CONTRACTS/ORDERS, SCRIBED IN ITEM 14.(x)		
	A. THIS CHANGE ORDER IS ISSUED PUR CONTRACT ORDER NO. IN ITEM 10A.	SUANT TO: (Specify authority) THE CHAN	NGES SET FO	RTH IN ITEM 14 ARE MADE IN T	THE	
	B. THE ABOVE NUMBERED CONTRACT/C appropriation date, etc.) SET FORTH IN ITE				in paying office,	· · · · · · · · · · · · · · · · · · ·
x	C. THIS SUPPLEMENTAL AGREEMENT IS Contract Clause H.16, Specia	ENTERED INTO PURSUANT TO AUTHO	ority of: as and IDI	Q Task Orders	•	
· · · ·	d. OTHER (Specify type of modification and	avihority)			-	
E. IMPC	RTANT: Contractor le not,	X is required to sign this document a	and return	Сорівз	to the issuing offi	ce
14. des	nption of amendmenVmodification (Organized	by UCF section headings, including solicite	ition/contract si	ibject metter where feasible.)	·	·····
T ".	he purpose of this Supple Assess simplification for a	emental Agreement is to number of hardware ite) revise (ems sus	Space Station Cha lained on the Carg	nge Notic jo Mission	e (SSCN) 14116, Contract (CMC)."
•	ME AND TITLE OF SIGNER (Type or print)			E AND TITLE OF CONTRACTIN		e or prini)
	/ Wegner, Contracts Negotiator		· .	J. Comeaux, Contract		
	(Signature of person authorized to sign)	16C. DATE SIGNED	BY	Apu=PIV, cn:	=LEARDN COMEAUX, 200300.100.1.3=komeau	^{~~} 6 29 2015
	10-01-162-8070 US EDITION UNUSABLE		-105 ord (Aug 95)		8,	TANDARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53-243

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	Cost
149		Assess simplification for a number of hardware items sustained on the Cargo Mission Contract (CMC)	

B. Section C, Statement of Work, Table of Contents, is hereby revised to remove the following:

6.13 Sustained Hardware COTS Assessments, Packed WTB Launch Certification and AED Life Extension (SSCN 014116)

C. Section C, Statement of Work, is hereby revised to remove the following:

6.13 Sustained Hardware COTS Assessments, Packed WTB Launch Certification and AED Life Extension (SSCN 014116)

- The contractor shall perform the following:
 - 1) Identify Commercial Off The Shelf (COTS) alternatives for the following by 1/9/2015: a. Jettison Stowage Bags (JSBs) (P/N SEB13100134-306);
 - b. Redesigned Cargo Transfer Bags (RCTBs) (P/Ns SEG33122042-301, SEG33122043-301, SEG33122044-301, SEG33122045-301);
 - c M-Bags (P/Ns SEG33117683-301, SEG33111805-301, SEG33111806-301).
 - 2) Identify changes to the current JSB and RCTBs (all models) designs to decrease their cost per unit. Task includes creation of prototype re-designed bag drawings by 2/27/2015.
 - Certify the Waste Transfer Bags (WTBs) (P/Ns SEG33124207-301, SEG33124208-301) for launch in a packed configuration (re-certification to include assessments for launch and landing on SpaceX and launch on ATV, HTV, and Cygnus) by 2/27/2015.
 - 4) Identify lower cost than current hardware COTS options for mechanical pencils (P/Ns SED33102093-309 & -310), fanny packs (P/Ns SED12100665-301 & -302), tethers (P/N 528-20144-3) and helmet stowage bags (P/N SKD13101494-305) used by the crew and dry material collection using the Direct Current (DC) vacuum (P/N SEG39123308-302) by 1/16/2015.
 - 5) Perform a feasibility study to determine how long the life of the current Auxiliary External Defibrillator (AED) units (P/N SEG52101600-301) can be extended by 2/27/2015.
 - 65) Present results at the Vehicle Control Board (VCB) and Space Station Control Board (SSPCB) by 3/27/2015.
- D. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 14116, "Assess simplification for a number of hardware items sustained on the Cargo Mission Contract (CMC)," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

	AMENDMENT OF MODIFICATION		1. CONTRACT ID CODE		PAGE OF PAGES
2. AMENDI	MENT/MODIFICATION NO. Mod 150	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJEC	T NO. (If epplicable)
6. ISSUED	BY ÇODE	BG	7. ADMINISTERED BY (If other than liem 6)	CODE	BG
2101 N/ Attn: BG	yndon B. Johnson Space Cente ASA Parkway 3/Learon J. Comeaux 5, TX 77058	1 9r	J NASA Lyndon B. Johnson Space 2101 NASA Parkway Attn: BG/Kathryn Taylor Houston, TX 77058	Center	
8. NAME A	ND ADDRESS OF CONTRACTOR (No., street	, county, State, and ZiP Code)		· · · · ·	
Attn: Da 2625 Ba	ad Martin Engineering Services an V. Wegner Iv Area Bivd 9, TX 77058	· ·		· · · · · · · · · · · · · · · · · · ·	
CODE	· · · · · · · · · · · · · · · · · · ·		FACILITY CODE		···,·
	9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)	. <u> </u>	
x	10A. MODIFICATION OF CONTRACT/ORD NNJ10GA35C	ER NO.	10B. DATED (SEE ITEM 13) 12/10/10		
	1	1. THIS ITEM ONLY APPLIES TO AN	MENDMENTS OF SOLICITATIONS		······································
(a) By comp submitted; c BE RECEIV YOUR OFF	laüng Keme 8 and 15, and returning r (c) By seperale letter or telegram which Indu ED AT THE PLACE DESIGNATED FOR THE	o the hour and date specified in the solicital Copies of the amendment; (b) By a des a reference to the solicitation and amen RECEIPT OF OFFERS PRIOR TO THE HO o change an offer already submitted, such o	ion or as amended, by one of the following methods: oknowledging receipt of this amendment on each cop dment numbers. FAILURE OF YOUR ACKNOWLED UR AND DATE SPECIFIED MAY RESULT IN REJEC insinge may be made by telegram or letter, provided e	GEMENT TO	is not extended.
12. ACCOL	INTING AND APPROPRIATION DATA (II requ	lred)		· · ·	<u> </u>
		13. THIS ITEM APPLIES ONLY TO MODIF IT MODIFIES THE CONTRACTIONDER	IGATIONS OF CONTRACTS/ORDERS, NO, AS DESCRIBED IN ITEM 14.(x)		, ,
	A. THIS CHANGE ORDER IS ISSUED PUR CONTRACT ORDER NO. IN ITEM 10A.	SUANT TO: (Specify authority) THE CHAN	GES SET FORTH IN ITEM 14 ARE MADE IN THE		
	B. THE ABOVE NUMBERED CONTRACT/C appropriation date, etc.) SET FORTH IN ITE	ORDER IS MODIFIED TO REFLECT THE AN M 14, PURSUANT TO THE AUTHORITY OF	DMINISTRATIVE CHANGES (such as changes in pay FFAR 43.103(b).	ring office.	
x	C. THIS SUPPLEMENTAL AGREEMENT IS Contract Clause H.16, Specia			<u> </u>	
	d. OTHER (Specify type of modification and	aulhorily)			·····
E. IMPORT	ANT: Contractor is not,	X is required to sign this document a	nd return 1 copies to the	Issuing office.	
14. descrip	ion of amendment/modification (Organized by	UCF section headings, including solicitation.		- 	·····

The purpose of this Supplemental Agreement is to definitize Space Station Change Notice (SSCN) 14269 "Procure and certify next generation ISS Tablet PC for International Space Station (ISS) and baseline the associated Applicable Requirements Matrix for Commercial-Off-the-Shelf (COTS) hardware certification."

16A. NAME AND TITLE OF SIGNER (Type or print) Dan V. Wegner, Contracts Negotiator, Staff		16A. NAME AND TITLE OF CONTRACTING OFFICER Learon J. Comeaux, Contracting Office	
16B. CONTRACTORIOFFEROR (Signalure of person quilhorized to sign)	16C. DATE SIGNED 7.23.2015	16B. UNITED STATES OF AMERICA under the advance of the state of the st	18C. DATE SIGNED 7.24.2015
NSN 7540-01-152-8070 V PREVIOUS EDITION UNUSABLE		105 ord (Aug 95)	STANDARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	Cost
150		Procure and certify next generation ISS Tablet PC for International Space Station (ISS) and baseline the associated Applicable Requirements Matrix for Commercial-Off-the- Shelf (COTS) hardware certification	

B. Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.30 Procure and certify next generation ISS Tablet PC for International Space Station (ISS) and baseline the associated Applicable Requirements Matrix for Commercial-Off-the-Shelf (COTS) hardware certification (SSCN 14269).

C. Section C, Statement of Work, is hereby updated to add the following:

6.30 Procure and certify next-generation ISS Tablet PC for International Space Station (ISS) and baseline the associated Applicable Requirements Matrix for Commercial-Off-the-Shelf (COTS) hardware certification (SSCN 14269).

The contractor shall:

- 1. Procure a quantity of 53 iPad Air 2 devices.
- 2. Provide a quantity of 9 Class III iPad Air 2 to NASA (via DD1149) by 9/14/2015 for battery testing.
- 3. Provide a quantity of 12 Class III iPad Air 2 to NASA (via DD1149) by 10/13/2015 for training.
- 4. Provide a quantity of 6 Class III iPad Air 2 to NASA (via DD1149) by 9/21/2015 for software load development.
- 5. Maintain 2 devices in inventory for evaluation and battery qualification purposes.
- D. Section J, Attachment J-9, Hardware List, is hereby updated to add the following:

ltem Number	Description Drawing/Part Number		Sustain
120	iPad Air 2	TBD	Sustaining shall begin post DD250 of hardware.
121	2m Charge Cables	ТВО	Sustaining shall begin post DD250 of hardware.
122	30 Pin to Lightning Adapters	TBD	Sustaining shall begin post DD250 of hardware.

Table 1.1-D Laptops

E. Section J, Attachment J-16, Deliverable Items List, is hereby updated to add the following:

NO	CHANGE NUMBER	PART NUMBER	SERIAL NUMBER	lm ID No.	NOMENCLATURE	QTY	υνιτ	DD250 DATE
103	14269	TBD	TBD	CMC0496	iPad Air 2	24	Each	1/07/2016
104	14269	TBD	TBD	CMC0497	2m Charge Cables	24	Each	1/07/2016
105	14269	TBD	TBD	CMC0498	30 Pin to Lightning	20	Each	1/07/2016

F. Section J, Attachment J-18, Government Furnished Data, is hereby updated to add the following:

NASA RESP	RESP Team	LM RESP	Unique ID	Nomenclature	FLT No.	Need Date
Stephen Hunter	OD	Scott Young		iPad Air 2 battery test report (SSCN 14269)	NFS	10/14/2015

G. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 14269, "Procure and certify next generation ISS Tablet PC for International Space Station (ISS) and baseline the associated Applicable Requirements Matrix for Commercial-Off-the-Shelf (COTS) hardware certification," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

					Approval	NO. 270	J-004Z	
	AMENDMENT OF MODIFICATION			1. CONTRACT ID CODE		PAGE OF	PAGES	
2. AMENDMENT/MODIFICATION NO. 151 3. EFFECTIVE DATE See Block 16C			4. REQU	ISITION/PURCHASE REQ. NO. 4200565480	5. PROJE	CT NO. (If a	oplicable)	
6. ISSU	JED BY CODE		7. ADMIN	NISTERED BY (If other than Item 6)	CODE			
NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Attn: BG/Learon Comeaux Houston, TX 77058				Lyndon B. Johnson Space IASA Parkway G/Learon Comeaux on, TX 77058	e Center			
8. NAM	IE AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP Co	ode)					
Attn: 2625	Lockheed Martin Integrated Systems, Inc. Attn: Dan V. Wegner 2625 Bay Area Blvd Houston, TX 77058							
CODE			FACILITY	CODE				
	9A. AMENDMENT OF SOLICITATION	I NO.	9B. DATI	ED (SEE ITEM 11)				
х	10A. MODIFICATION OF CONTRACT	ORDER NO.	10B. DA 12/10/	red <i>(see item 13)</i> 10				
1	11.	THIS ITEM ONLY APPLIES TO A	MENDME	NTS OF SOLICITATIONS				
Offers r (a) By c submitte	he above numbered solicitation is ameno nust acknowledge receipt of this amendr ompleting Items 8 and 15, and ed; or (c) By separate letter or telegram v CEIVED AT THE PLACE DESIGNATED	nent prior to the hour and date specific Copies of the amendment; (b) which includes a reference to the solic	ed in the so By acknowl ita ion and a	licitation or as amended, by one of th edging receipt of this amendment on amendment numbers. FAILURE OF	each copy of YOUR ACKN	ethods: the offor OWLEDGEN		
	OFFER. If by virtue of this amendment y							
	makes reference to the solicitation and		to the open	ing hour and date specified.				
12. AC	COUNTING AND APPROPRIATION DA	TA (If required) Increase fundin	a by \$31	3 095 24				
		THIS ITEM APPLIES ONLY TO MODI MODIFIES THE CONTRACT/ORDEF	FICATIONS	OF CONTRACTS/ORDERS,				
	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropria ion date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).							
	C. THIS SUPPLEMENTAL AGREEME	ENT IS ENTERED INTO PURSUANT	TO AUTHO	RITY OF:				
x	d. OTHER (Specify type of modification Contract Clauses I.1; 52.23		APR 198	34)				
E. IMP	ORTANT: Contractor X is not,	is required to sign this docume	ent and retu	rn copies to the is	suing office.			

14. description of amendment/modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible)

The purpose of this modification is to obligate contract funding. This change increases the amount of funding by \$313,095.24 from \$120,257,778.63 to \$120,570,873.87.

See continuation pages for more details.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (T Learon J. Comeaux, Contracting Officer	ype or print)
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICAN COMPANY BY LEARON COMPANY (Signature of Contracting Officer)	16C. DATE SIGNED 9/18/2015
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30-1 JSC MS Wo		FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

B.4 NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is

 (b) (4)
 This allotment is for cargo mission services and covers the following estimated period of performance: January 1, 2011 through September 15, 2015 December 27, 2015.
- (b) An additional amount of (b) (4) is obligated under this contract for payment of fee.

(End of clause)

B.5 FUNDING FOR FIXED-PRICE ITEMS PHASE-IN

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

The FP amount obligated and available for FP Milestone Payment for Phase-In is (b) (4)

The TOTAL FP amount obligated and available is (b) (4)

(End of clause)

B.6 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) ORDERS

The Government may order Indefinite Delivery/Indefinite Quantity (IDIQ) work at any time after contract start in accordance with the procedures set forth in Clause H.3 and SOW section 5.0 of this contract. The contractor shall provide engineering and technical skills in support of Government-led studies, analyses, and unforeseen hardware requirements such as hardware builds and modifications. The tasks may be dynamic in nature and may be performed in a teaming arrangement with the Government or other contractors.

IDIQ work will be ordered by the Government on a cost-reimbursement basis. The Government will issue a cost-reimbursement task order authorizing the contractor to perform all effort, or, alternatively, to define the overall requirements, performance standards, and specifications associated with the work. The Government will utilize the defined requirements, performance standards, and specifications delivered by the contractor to request a proposal for completion of the work. The negotiated proposal will form the basis for the Government to issue a cost reimbursement task order for this work.

	AMENDMENT OF			1. CONTRACT ID CODE		PAGE OF PAGES	
	MODIFICATION		2			1	9
2. AMEND	MENT/MODIFICATION NO. Mod 152	3. EFFECTIVE DATE See Block 16C	4. REQUIS	SITION/PURCHASE REQ. NO. N/A	5. PROJEC	CT NO. (If applical	ble)
6. ISSUED	BY CODE	BG	7. ADMINE	STERED BY (If other than Itom 6)	CODE	BG	
	yndon B. Johnson Space Cent	er	NASAI	yndon B. Johnson Space (Center		
	ASA Parkway			ASA Parkway			
	G/Learon J. Comeaux			G/Learon J. Comeaux			
Houston	n, TX 77058		Housto	n, TX 77058			
8. NAME A	ND ADDRESS OF CONTRACTOR (No., siree	t, county, State, and ZIP Code)				11	
Lockher	ed Martin Engineering Services						
	an V. Wegner						
	ay Area Blvd						
Houstor	n, TX 77058			*			
CODE			FACILITY	CODE			
	9A. AMENDMENT OF SOLICITATION NO.		98. DATE	D (SEE ITEM 11)			
<u> </u>	10A. MODIFICATION OF CONTRACT/ORD	DER NO.	10B. DATE	ED (SEE ITEM 13)			
Х	NNJ10GA35C		12/10/1				
		1. THIS ITEM ONLY APPLIES TO A		and a second sec			
IT L	he above numbered solicitation is amended as	set forth in item 14. The hour and date spa	cified for receij	ot of Offers	s extended,	is not exte	ended.
Offers musi	t acknowledge receipt of this amendment prior t	to the hour and date specified in the solicite	lion or as ame	ided, by one of the following methods:			
(a) By come	pleting items 8 and 15, and returning						
	or (c) By separate letter or telegram which inclu			receipt of this amendment on each copy			
	ED AT THE PLACE DESIGNATED FOR THE						
	ER. If by virtue of this amendment you desire						
or letter mai	kes reference to the solicitation and this amend	lment, and is received prior to the opening l					
12. ACCOL	UNTING AND APPROPRIATION DATA (If requ	Jired)			- 201		
	magi a	13. THIS ITEM APPLIES ONLY TO MODI IT MODIFIES THE CONTRACT/ORDER	FICATIONS OF	CONTRACTS/ORDERS,			1990
	The second se			0.12			
	A. THIS CHANGE ORDER IS ISSUED PUR CONTRACT ORDER NO. IN ITEM 10A.	RSUANT TO: (Specify authority) THE CHAI	NGES SET FO	RTH IN ITEM 14 ARE MADE IN THE		,	
	B. THE ABOVE NUMBERED CONTRACT/C appropriation date, etc.) SET FORTH IN ITE				ng office,		
х	C. THIS SUPPLEMENTAL AGREEMENT IS Contract Clause H.16, Specia			Q Task Orders			
	d. OTHER (Specify type of modification and						
E. IMPORT	FANT: Contractor is not,	X Is required to sign this document a	and return	1 copies to the Is	suing office,		
14. descrip	Non of amendment/modification (Organized by	UCF section headings, including solicitation	n/contract subj	ct matior where feesible.)			
	rpose of this Supplemental /						•
"Cortifu	Indina Compatible Mater C	aptoiner (ICMC) to loure	space st	ation Change Notice (SS	CN) 1414	1 Revision	3
Gonoro	Iodine Compatible Water C	for Base (CTDs) lettings	nined on	Cygnus and Dragon, St	SCN 1505	1 Build In	ird
Dorthou	ation (3rd Gen) Cargo Transf	tel bays (CTBS), Jettison	Stowage	Bags (JSBs), and M-bag	s for Interi	national	
Faither	rs (IPs) and Commercial Vel	ICIE Flights to satisfy NAS	A's logis	tics needs through FY20	20 based o	on current	
usaye	rates and traffic models," and	u SSCN 15023 Payload N	wass Sim	ulator to Replace MUSE	s on HTV	5 .″	
15A. NAME	AND TITLE OF SIGNER (Type or print)		16A. NAM	E AND TITLE OF CONTRACTING OFFIC	ER (Type or prin	at)	
Dan V.	Wegner, Contracts Negotiator,	Staff		J. Comeaux, Contracting O	And the second second second second		
158. CONT	RACTORIOFFEROR	15C. DATE SIGNED	16B. UNIT			16C. DATE SIG	NED
C	R. U.L.	_ 11:05.2015	BY LEA	RON COMEAUX COMEAUX	ISA ou::People		A ANY CONTRACTOR
	(Signature of person authorized to sign)	_ [109-2015		(Signature of Contracting Officer)		11/06/20)15
NSN 7540-0	01-152-8070		105	(Signature of Contracting Officer)			

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders and to incorporate the additional cost and fee awarded under Task Order Number 004 in Section B of the conformed contract as follows:

Modification #	Mod Date	Description	Cost
152		Certify Iodine Compatible Water Container (ICWC) to launch filled on Cygnus and Dragon	(b) (4)
152		Payload Mass Simulator to Replace MUSES on HTV5	

- B. Clause B.2, Total Contract Value is hereby revised to reflect the increase from \$130,877,893 by \$3,145,242 to \$131,399,061 in cumulative base contract value; an increase from \$25,234,060 by \$521,168 to \$25,755,228 for Option 2; an increase from \$22,517,729 by \$1,592,368 to \$24,110,097 for Option 3 and an increase from \$22,254,358 by \$1,031,706 to \$23,286,064 for Option 4. As a result of this change, replacement page B-1, B-2 and B-3 are attached.
- C. Clause B.3, NFS 1852.216-85 Estimated Cost and Award Fee is hereby revised to reflect the increase in estimated cost from \$ (b) (4) and the award fee increased from (b) (4) for a total increase to estimated cost and fee from (b) (4) A aresult of this change, replacement page B-3 is attached.
- D. Clause B.7, Award Fee, is hereby revised to reflect the increase in the amount of available and earned fee, by evaluation period, provided in Table B-5.
- E. Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.32 Multiple User System for Earth Sensing (MUSES) Mass Simulator (MMS) to Replace MUSES payload on HTV5 (SSCN 015023).

F. Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.33 Build Third Generation (3rd Gen) Cargo Transfer Bags (CTBs), Jettison Stowage Bags (JSBs), and Mbags for International Partners (IPs) and Commercial Vehicle Flights to satisfy NASA's logistics needs through FY2020 based on current usage rates and traffic models. This includes the addition of the Cygnus standoff bags and the new 8 Cargo Transfer Bag Equivalent (CTBE) M-bags. (SSCN 15051).

G. Section C, Statement of Work, is hereby revised to reflect the following changes (Changes are noted in bold and italics):

6.17 Design, Certify and Fabricate Iodine Compatible Water Container (ICWC) Flight Support Equipment (FSE) to launch filled on Cygnus and Dragon (SSCN 014141)

The contractor shall perform the following tasks:

- 1. Develop a three-bag FSE concept by 9/8/14. Develop a single-bag concept by 12/15/14.
- Certify the integrated ICWC/FSE three-bag configuration for launch on Dragon and Cygnus in accordance with SSP 50835, Common Interface Requirements Document by 2/10/15 and the singlebag configuration by 3/16/15.
- Build and deliver the FSE quantities required to launch <u>425 <u>118</u> ICWCs per the contract Deliverable Items List.
 </u>
- Develop and maintain an Interface Requirements Document (IRD) between the ICWC and the Commercial Orbital Transportation Services (COTS) vehicles (Cygnus and Dragon). Release the IRD containing the three-bag configuration by 10/3/14.

- 5) Develop process for filling ICWCs with iodinated water utilizing an EMU water certified facility, including a wet run to demonstrate process.
- Deliver <u>125</u> <u>118</u> integrated ICWC/FSE assemblies, which include water filled ICWCs integrated into FSE, per flight manifest requirements.
- H. Section C, Statement of Work, is hereby updated to add the following:

6.32 Multiple User System for Earth Sensing (MUSES) Mass Simulator (MMS) to Replace MUSES payload on HTV5 (SSCN 015023).

The Contractor shall:

- 1. Ship the Integrated MMS on a SAPA via DD1149 to JAXA on April 12, 2015.
- 2. Deliver to NASA:
- Inputs for the Carrier Integration Plan (CIP)/User Integration Agreement (UIA) on April 7, 2015.
- Inputs for the Interface Control Document (ICD) on April 7, 2015.
- Tip over analysis of the MUSES to Small Adapter Plate Assembly (SAPA) Integration shipping container delivered by April 12, 2015.
- Detail manufacturing drawings of the MMS by April 17, 2015.
- Assembly drawing of the MMS by April 17.
- Ground Safety Data Package(GSDP) draft by April 17, 2015.
- Flight Safety Data presentation (FSDP) to the Safety Review Panel (SRP) by April 17, 2015.
- Draft Structural Data (DSD) Package by May 1, 2015.
- Thermal assessment presentation to the Passive Thermal Control System (PTCS) forum by May 1, 2015.
- Material Information Usage List (MIUL) by April 21, 2015.
- Draft requirements matrix by May 1, 2015.
- Deliver a reduced Craig Bampton model by May 1, 2015.
- Deliver a Full Dynamic and Stress model by May 1, 2015.
- I. Section C, Statement of Work, is hereby updated to add the following:

6.33 Build Third Generation (3rd Gen) Cargo Transfer Bags (CTBs), Jettison Stowage Bags (JSBs), and Mbags for International Partners (IPs) and Commercial Vehicle Flights to satisfy NASA's logistics needs through FY2020 based on current usage rates and traffic models. This includes the addition of the Cygnus standoff bags and the new 8 Cargo Transfer Bag Equivalent (CTBE) M-bags. (SSCN 15051).

The Contractor shall:

- Build and deliver the Cygnus standoff bags.
- Design, certify, build and deliver the new 8 CTBE M-bags, and the 3rd Gen CTBs, JSBs and M-bags.
- Create drawings for the new 8 CTBE M-bag, and the 3rd Gen CTBs, JSBs and M-bags.
- J. Section J, Attachment J-9, Hardware List, is hereby updated to add the following:

ltem Number	Description	Drawing/Part Number	Sustain
1/3	MASS Simulator, MUSES	SEG33124910-301	Sustaining shall begin post DD250 of hardware.
24	SHEAR BOSS, MUSES MASS Simulator	SDG33124914-001	Sustaining shall begin post DD250 of hardware.

Table 1.1-J ADDED NON SPOC Flight Crew Systems (FCS) TOOLBOX

Table 1.1-A STOWAGE ACCOMMODATIONS

ltem Number	Description	Drawing/Part Number	Sustain
43	Cygnus Standoff Bag	TBD	Sustaining shall begin post DD250 of hardware.
44	3 rd Gen – JSB	TBD	Sustaining shall begin post DD250 of hardware.
45	3 rd Gen - 0.5 CTB	TBD	Sustaining shall begin post DD250 of hardware.
46	3 rd Gen -1.0 CTB	TBD	Sustaining shall begin post DD250 of hardware.
47	3 rd Gen - 2.0 CTB	TBD	Sustaining shall begin post DD250 of hardware.
48	3 rd Gen - 3.0 CTB	TBD	Sustaining shall begin post DD250 of hardware.
49	3 rd Gen - 4 CTBE Bag	TBD	Sustaining shall begin post DD250 of hardware.
50	3 rd Gen – 6 CTBE Bag	TBD	Sustaining shall begin post DD250 of hardware.
51	8 CTBE Bag	TBD	Sustaining shall begin post DD250 of hardware.
52	3 rd Gen-10 CTBE Bag	TBD	Sustaining shall begin post DD250 of hardware.

K. Section J, Attachment J-16, Deliverable Items List, is hereby updated to reflect the following changes (Changes are noted in bold and italics):

	CHANGE NUMBER	PART NUMBER	SERIAL NUMBER	LM ID NO.	NOMENCLATURE	QTY	UNIT	DD250 DATE
101	14141	TBD	TBD	CMC0492	ICWC FSE, three-bag concept	18 54	Each	12/15/2015 12/31/2015
102	14141	TBD	TBĐ	CMC0493	ICWC FSE, single bag concept	43	Each	12/15/2015

L. Section J, Attachment J-16, Deliverable Items List, is hereby updated to add the following:

NO	CHANGE NUMBER	PART NUMBER	SERIAL NUMBER	LM ID NO.	NOMENCLATURE	QTY	UNIT	DD250 DATE
106	15023	SEG33124910- 301	N/A	CMC0518	MUSES MASS Simulator (MMS)	1	Each	4/10/2015
107	15023	SDG33124914- 001	N/A	CMC0518	SHEAR BOSS, MUSES MASS Simulator	2	Each	4/10/2015
108	15051	SEG33124764	TBD	CMC0528	Cygnus Standoff Bag	40	Each	9/30/2016
109	15051	TBD	TBD	CMC0529	3 rd Gen – JSB	102	Each	9/30/2016
110	15051	TBD	TBD	CMC0530	3 rd Gen – JSB	300	Each	9/29/2017
111	15051	TBD	TBD	CMC0531	3 rd Gen – JSB	687	Each	3/30/2018
112	15051	TBD	TBD	CMC0532	3 rd Gen - 0.5 CTB	102	Each	9/29/2017
113	15051	TBD	TBD	CMC0533	3 rd Gen – 0.5 CTB	307	Each	3/30/2018
114	15051	TBD	TBD	CMC0534	3 rd Gen -1.0 CTB	202	Each	9/29/2017
115	15051	TBD	TBD	CMC0535	3 rd Gen - 1.0 CTB	394	Each	3/30/2018

116	15051	TBD	TBD	CMC0536	3 rd Gen - 2.0 CTB	10	Each	9/29/2017
117	15051	TBD	TBD	CMC0537	3 rd Gen - 2.0 CTB	115	Each	3/30/2018
118	15051	TBD	TBD	CMC0538	3 rd Gen - 3.0 CTB	11	Each	3/30/2018
119	15051	TBD	TBD	CMC0539	3 rd Gen - 4 CTBE Bag	55	Each	3/30/2018
120	15051	TBD	TBD	CMC0540	3 rd Gen - 6 CTBE Bag	35	Each	9/29/2017
	15051	TBD	TBD	CMC0541	3 rd Gen – 6 CTBE Bag	140	Each	3/30/2018
	15051	TBD	TBD	CMC0542	8 CTBE Bag	30	Each	9/29/2017
	15051	TBD	TBD	CMC0543	8 CTBE Bag	18	Each	3/30/2018
	15051	TBD	TBD	CMC0544	3 rd Gen-10 CTBE Bag	20	Each	9/29/2017
	15051	TBD	TBD	CMC0545	3 rd Gen -10 CTBE Bag	42	Each	3/30/2018

M. Section J, Attachment J-19, Government Furnished Equipment, is hereby updated to reflect the following changes (Changes are noted in bold and italics):

NASA RESP	RESP Team	LM RESP	Unique ID	Nomenclature	FLT No.	Need Date
Laura Shaw	ОВ	Micah Johnson		ICWC Fill Kit	NFS	12/08/2014
Laura Shaw	ОВ	Micah Johnson		ICWC	NFS	01/06/2015
Laura Shaw	ОВ	Micah Johnson		ICWC	NFS	08/03/2015
Laura Shaw	ОВ	Micah Johnson		ICWC	NFS	10/05/2015
Laura Shaw	ОВ	Micah Johnson		ICWC	NFS	12/07/2015
Laura Shaw	OB	Micah Johnson		ICWC	NFS	04/01/2016
Laura Shaw	OB	Micah Johnson		ICWC	NFS	08/01/2016
Austin Green	OB	Tim Gadd		Adapter Plate Assembly (SAPA)	HTV5	04/09/2015
Austin Green	OB	Tim Gadd		Washer, .190 OD X .063 THK	HTV5	04/09/2015
Austin Green	OB	Tim Gadd		Nut, Self Locking 7/16-20 UNJF-3B	HTV5	04/09/2015
Austin Green	ОВ	Tim Gadd		Bolt, Hex HD Shear .190-32 UNRF-3A X 1.213L	HTV5	04/09/2015

N. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 15051 "Build Third Generation (3rd Gen) Cargo Transfer Bags (CTBs), Jettison Stowage Bags (JSBs), and M-bags for International Partners (IPs) and Commercial Vehicle Flights to satisfy NASA's logistics needs through FY2020 based on current usage rates and traffic models, SSCN 15023, "Payload Mass Simulator to Replace MUSES on HTV5," and SSCN 14141 R3, "Certify Iodine Compatible Water Container (ICWC) to launch filled on Cygnus and Dragon, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

CARGO MISSION CONTRACT

PART I - THE SCHEDULE

SECTION B - SUPPLIES OR SERVICES AND PRICE/COSTS

B.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE	DATE	
NUMBER	DATE	TITLE
None included	6	
by reference		

II. NASA FAR SUPPLEMENT (48 CFR CHAPTER 18) PROVISIONS

CLAUSE NUMBER	DATE	TITLE
None included by reference		

B.2 TOTAL CONTRACT VALUE

The current cumulative contract value is \$130,877,893 \$131,399,061 (including the Firm Fixed-Price (FFP) Phase-In, all Task Orders issued to date, all Underlimit Pools through Contract Year 4, and Option 1 and Option 2).

Task Order (TO) No. 001 was issued on July 12, 2011 that consisted a total price of \$3,174,829 (b) (4) in cost and \$(b) (4) in fee). Task Order No. 001, Revision 01 was issued on June 8, 2012 with a total increase in price of \$410,094 (\$(b) (4) in cost and \$(b) (4) in fee). The total revised price for TO 001 is \$3,584,923 (\$(b) (4) in cost and \$(b) (4) in fee).

TO No. 002 was issued on June 28, 2013 for a total price of 2,051,327(\$ (b) (4) in cost and \$ (b) (4) in fee). TO No. 002 Revision 01 was issued on November 18, 2013 with a total increase in price of 188,014 (\$ (b) (4) cost and \$ (b) (4) fee). The total revised price for TO 002 is 2,239,341 (\$ (b) (4) cost and \$ (b) (4) fee).

CARGO MISSION CONTRACT

TO No. 003 was issued on August 28, 2013 for a total price of 964,488 ((b) (4) in cost and (b) (4) in fee).

TO No. 004 was issued on September 24, 2015 for a total price of 3,145,242 ((b) (4) in cost and (b) (4) in fee).

The minimum amount of IDIQ supplies and services ordered in total and paid for under this contract shall be \$15,000.

The maximum not-to-exceed (NTE) value of IDIQ supplies and services ordered in total under this contract is <u>\$20 Million</u>, which includes incidental materials and travel. The maximum NTE amount does not reflect an obligation of the Government. The Government's obligation hereunder shall be based on that specified in the task/delivery orders issued during the period of the contract.

Basic Period of Performance Table

	Maximum Contract Value		
Phase-In (ref Clause B.5)			
CPAF (ref Clause B.3)			
TOTAL			

Option 1 Table

	Maximum Contract Value		
CPAF (ref Clause B.3)	(b) (1)	1	
TOTAL			
		-	

Option 2 Table

	Maximum Contract Value		
CPAF (ref Clause B.3)	(b) (1)		
TOTAL			

Option 3 Table

	Maximum Contract Value		
CPAF (ref Clause B.3)	(b) (1)		
TOTAL	(D) (4)		

Option 4 Table

	Maximum Contract Value		
CPAF (ref Clause B.3)	(b) (1)		
TOTAL			

(End

Total Table

	Maximum Contract Value	
FFP		
CPAF (ref Clause B.3)	(0)(4)	
Remaining IDIQ (NTE)		
TOTAL	\$188,861,228	of clause)

B.3 NFS 1852.216-85 ESTIMATED COST AND AWARD FEE (SEP 1993)

The estimated cost of this contract is **(b)** (4) . The maximum available award fee, excluding base fee, if any, is **(b)** (4) . Total estimated cost, base fee, and maximum award fee is **(b)** (4) . **(b)** (4) **(c) (c) (c)**

B.4 NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is (b) (4). This allotment is for cargo mission services and covers the following estimated period of performance: January 1, 2011 through December 27, 2015.
- (b) An additional amount of (b) (4) is obligated under this contract for payment of fee.

(End of clause)

B.5 FUNDING FOR FIXED-PRICE ITEMS PHASE-IN

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

ount obligated and available for FP Milestone Payment for Phase-In is

The TOTAL FP amount obligated and available is $\frac{1}{2}$ (b) (4)

(End of clause)

CARGO MISSION CONTRACT

B.7 AWARD FEE

The amount of fee earned by the contractor shall be determined in accordance with Attachment J-5, Award Fee Evaluation Plan.

The amount of available and earned fee, by evaluation period, is provided in Table B-5 below:

Table B-5	Table B-5 Available and Earned Fee					
Basic	Evaluation Periods	Available Fee	Earned Fee	Score	Rating	AF Payment Mod
1	04/01/11 - 09/30/11	(h) (4)	-(b) (4)	96	Excellent	Mod 20
2	10/01/11 - 03/31/12			96	Excellent	Mod 35
3	04/01/12 - 09/30/12			97	Excellent	Mod 53
4	10/01/12 - 03/31/13			97	Excellent	Mod 67
5	04/01/13 - 09/30/13			98	Excellent	Mod 86
6	10/01/13 - 03/31/14		_	97	Excellent	Mod 101
	TOTAL					
Option 1	Evaluation Periods					
7	04/01/14 - 09/30/14			98	Excellent	Mod 120
8	10/01/14 - 03/31/15			99	Excellent	Mod 147
Option 2	Evaluation Periods					
9	04/01/15 - 09/30/15					
10	10/01/15 - 03/31/16					
Option 3	Evaluation Periods					
11	04/01/16 - 09/30/16					
12	10/01/16 - 03/31/17					
Option 4	Evaluation Periods					
13	04/01/17 - 09/30/17					
14	10/01/17 - 03/31/18					
	·					

(End of clause)

	AMENDMENT O	F SOLICITATION/		1. CONTRACT ID CODE		PAGE OF PAGES	
MODIFICATION OF CONTRACT						1 3	
2. AME	NDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQU	ISITION/PURCHASE REQ. NO.	5. PROJE	CT NO. (If applicable)	
153 See Block 16C				N/A			
6. ISSU	JED BY CODE		7. ADMI	NISTERED BY (If other than Item 6)	CODE		
NAS	A Lyndon B. Johnson Space	Center	NASA	Lyndon B. Johnson Space	Center		
	NASA Parkway			IASA Parkway			
	BG/Learon J. Comeaux			G/Learon J. Comeaux			
	ton, TX 77058			on, TX 77058			
	δi.						
8. NAN	E AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP Co	ode)				
		•					
	need Martin Engineering Se	rvices					
	Dan V. Wegner						
	Bay Area Blvd						
Hous	ton, TX 77058						
CODE	An executive of the second sec		FACILITY			and the start transmission providence -	
	9A. AMENDMENT OF SOLICITATIO	N NO.	9B. DAT	ED (SEE ITEM 11)			
	10A. MODIFICATION OF CONTRAC	T/ORDER NO.		TED (SEE ITEM 13)			
X	NNJ10GA35C		12/10/	10			
	11.	THIS ITEM ONLY APPLIES TO /	AMENDME	ENTS OF SOLICITATIONS	···· ··· ··· ··· ··· ··· ··· ··· ··· ·	·	
Т	ne above numbered solicitation is amen	ded as set forth in item 14. The hour	and date sp	ecified for receipt of Offers is	extended.	is not extended.	
	nust acknowledge receipt of this amend						
	ompleting Items 8 and 15, and			edging receipt of this amendment on			
	ed; or (c) By separate letter or telegram CEIVED AT THE PLACE DESIGNATED						
	OFFER. If by virtue of this amendment						
	makes reference to the solicitation and		www.comunications.com	•	n or rottor, pr	Svidod Gaoir (Siegram	
	COUNTING AND APPROPRIATION D					1	
		, , ,					
		THIS ITEM APPLIES ONLY TO MOD					
		T MODIFIES THE CONTRACT/ORDE					
	A. THIS CHANGE ORDER IS ISSUE CONTRACT ORDER NO. IN ITEM 10	D PURSUANT TO: (Specify authority) THE CHAI	NGES SET FORTH IN ITEM 14 ARE I	MADE IN TH	Ε	
		RACT/ORDER IS MODIFIED TO REFI			is changes in	paying office,	
appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
X	Mutual Agreement of the F	Parties, FAR 43.103(a)					
	d. OTHER (Specify type of modificati	on and authority)					
	1003 2015						
F IMP	ORTANT: Contractor is not.	X is required to sign this docum	ent and rotu	rn 1 copies to the is	suing office		
					oraciono en 🔸 - consideración en	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	
14. de:	scription of amendment/modification (O	rganized by UCF section headings, inc	luding solici	tation/contract subject matter where fe	asible.)		

(See continuation pages.)

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
Dan V. Wegner, Contracts Negotiator, Staff		Learon J. Comeaux, Contracting Officer		
15B. CONTRACTORIOFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED	
(Signature of person authorized to sign)	9.23.2015	BY LEARON COMEAUX OurPy, Certabon COMEAUX, 09:2924,1920300,100.1.4/comeaux Ourphy, Certabon Comeaux, 09:2924,1920300,100.1.4/comeaux Ourphy, Certabon Comeaux, Ourphy, Certabon Comeaux, Ourph, Certabon Comeaux, Ourph, Certabon Comeaux, Ourph, Certabon Comeaux, Ourph, Certabon Comeaux, Ourph, Certabon Comeaux, Ourph, Certabon Comeaux	9/23/2015	
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE	30-1 JSC MS Wo		FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

- 1. The purpose of this modification is to make administrative changes to the contract. This modification constitutes a full and complete equitable adjustment for the parties for the changes identified in paragraphs 2 and 3 below.
- 2. Section G, <u>Contract Administration Data</u>, G.3 JSC Procurement Instruction 52.216-92 Submission of Vouchers for Payment (MAY 2014) is delete in its entirety and replace with the following:

NFS 1852.216-87 Submission of Vouchers for Payment (MAR 1998)

- (a) The designated billing office for cost vouchers for purposes of the Prompt Payment clause of this contract is indicated below. Public vouchers for payment of costs shall include a reference to the number of this contract.
- (b) (1) If the contractor is authorized to submit interim cost vouchers directly to the NASA paying office, the original voucher should be submitted to:

NASA Shared Services Center (NSSC) Financial Management Division (FMD) – Accounts Payable Bldg 1111, C. Road Stennis Space Center, MS 39529 Phone #: 1-877-677-2123 Fax: 1-866-209-5415 Email: <u>NSSC-AccountsPayable@nasa.gov</u>

- (2) For any period that the Defense Contract Audit Agency has authorized the contractor to submit interim cost vouchers directly to the Government paying office, interim vouchers are not required to be sent to the Auditor, and are considered to be provisionally approved for payment, subject to final audit.
- (3) Copies of vouchers should be submitted as directed by the Contracting Officer.
- (c) For If the contractor is not authorized to submit interim cost vouchers directly to the paying office as described in paragraph (b), the contractor shall prepare and submit vouchers as follows:
 - (1) One original Standard Form (SF) 1034, SF 1035, or equivalent contractor's attachment to:

Defense Contract Audit Agency Valley Forge Branch Office P.O. Box 60667 King of Prussia, PA 19406 Phone: (610) 354-3950

- (d) Five copies of SF 1034, SF 1035A, or equivalent contractor's attachment to the following offices by insertion in the memorandum block of their names and addresses:
 - (i) Copy 1 NASA Contracting Officer
 - (ii) Copy 2 Auditor
 - (iii) Copy 3 Contractor
 - (iv) Copy 4 Contract administration office; and
 - (v) Copy 5 Project management office.
 - (3) The Contracting Officer may designate other recipients as required.

(d) Public vouchers for payment of fee shall be prepared similarly to the procedures in paragraphs (b) or (c) of this clause, whichever is applicable, and be forwarded to:

NASA Shared Services Center (NSSC) Financial Management Division (FMD) – Accounts Payable Bldg 1111, C. Road Stennis Space Center, MS 39529 Phone #: 1-877-677-2123 Fax: 1-866-209-5415 Email: <u>NSSC-AccountsPayable@nasa.gov</u>

This is the designated billing office for fee vouchers for purposes of the Prompt Payment clause of this contract.

(e) In the event that amounts are withheld from payment in accordance with provisions of this contract, a separate voucher for the amount withheld will be required before payment for that amount may be made.

(End of clause)

3. Section J, Attachment J-8, <u>Data Requirements List and Data Requirements Descriptions</u>, DRD No. C-SA-06 is hereby delete in its entirety.

ADMINISTRATION NASA SHARED SEE	AUTICS AND SPACE RVICES CENTER ENTER, MS 39529-6000	Award Fee Pag	yment Transmittal
Urge Attach Award Fee Modific	nt - This Payment Mus ation and Send Form by E-mail	st be Processed Imme to NSSC-AccountsPayable@nas	ediately a.gov or Fax to 866-209-5415
1. Contract Number	2. Contractor Name		3. Modification Number
NNJ10GA35C	Lockheed Martin I	ntegrated Systems, Inc	154
4. Authorized Payment Amount	5. NASA Center		
(b) (4)		JSC - Johnson Space C	enter
6. Center Point of Contact (Point	of Contact)		7. Center POC Phone Number
	Learon Comeaux		(281) 483-6525

AMENDMENT OF MODIFICATION			1. CONTRACT ID CODE		PAGE OF I	PAGES 4
2. AMENDMENT/MODIFICATION NO. Mod 154 3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)		plicable)
6. ISSUED BY CODE	BG	7. ADMIN	IISTERED BY (If other than Item 6)	CODE	BG	
NASA Lyndon B. Johnson Space	Center	NASA Lyndon B. Johnson Space Center				
2101 NASA Parkway		2101 N	ASA Parkway			
Attn: BG/Learon J. Comeaux			Attn: BG/Learon J. Comeaux			
Houston, TX 77058		Housto	n, TX 77058			

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and ZIP Code)

Lockheed Martin Integrated Systems, Inc. Attn: Dan V. Wegner 2625 Bay Area Blvd. Houston, TX 77058

CODE 32RN8		FACILITY CODE
	9A. AMENDMENT OF SOLICITATION NO.	9B. DATED (SEE ITEM 11)
X	10A. MODIFICATION OF CONTRACT/ORDER NO.	10B. DATED (SEE ITEM 13)
Х	NNJ10GA35C	12/10/10
	11. THIS ITEM ONLY APPLIES TO A	AMENDMENTS OF SOLICITATIONS
	he above numbered solicitation is amended as set forth in Item 14. The hour a must acknowledge receipt of this amendment prior to the hour and date specifi	
submitt BE REC YOUR	ted; or (c) By separate letter or telegram which includes a reference to the solic CEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PR	By acknowledging receipt of this amendment on each copy of he offor citation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO CIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF submitted, such change may be made by telegram or letter, provided each telegram to the opening hour and date specified.
	COUNTING AND APPROPRIATION DATA (If required)	
	13. THIS ITEM APPLIES ONLY TO MOD IT MODIFIES THE CONTRACT/ORDE	
	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) CONTRACT ORDER NO. IN ITEM 10A.) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE
		TO THE DE LEATINE AND STORE THE PLUT Ping of ice,
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT	TO AUTHORITY OF:
Х	d. OTHER (Specify type of modification and authority) Clause G.2 NFS 1852.216-76 Award Fee for Servic	e Contracts (JUN 2000)

E. IMPORTANT: Contractor X is not, is required to sign this document and return copies to the issuing office.

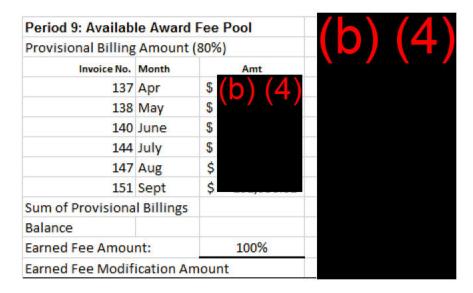
14. description of amendment/modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible)

The purpose of this modification is to recognize the award fee earned for evaluation Period 9. The Contractor will be paid \$ (b) (4) based on this modification. The contractor is not to submit a voucher for earned award fee.

All other Terms and Conditions shall remain the same.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (<i>Type or print</i>) Learon J. Comeaux, Contracting Officer		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)			16C. DATE 11/03/2015	
(Signature of person authorized to sign)		(Signature of Contracting Officer)		

The purpose of this modification is to recognize the award fee earned for evaluation Period 9, which
was from April 1, 2015 through September 30, 2015. The FDO has determined that a score of 100 –
Excellent has been earned for Period 9.



2. <u>Section B.7 Award Fee</u>: B.7 has been updated to include the Award Fee earned for Period 9. As a result of this change, pages B-5 and B-6 are hereby attached (changes are noted in bold and italics).

NNJ10GA35C							SECTIO	N B
Modification 154			Magazoria					
		CARGO N	AISSION C	UNTRACI	•			
SLC	CY1	CY2	CY3	CY4	CY5	CY6	CY7	
Program Manager								
Manager								
Supervisor								
Technical Professional III								
Technical Professional II								
Technical Professional I								
Technician III								
Technician II								
Technician I								
Drafter II								
Drafter I								
IT Professional								
Analyst II								
Analyst I								
Secretary								
Clerk								
Business Specialist								
Other								
Procurement Burden (Basis:								
Subcontractor/Material Cost)								
G&A (Basis: Value Added Cost)								
G&A Cost of Money (Basis: Value								
Added Cost)								
Maximum Award Fee								

*Propose additional Labor Categories that cannot be logically mapped into any of the Standard Labor Categories above. Provide a job description and qualifying education and experience for all additional labor categories.

**Rates to be applied to non-labor costs (i.e. material, travel). Identify the rates and basis of application.

(End of clause)

B.7 <u>AWARD FEE</u>

The amount of fee earned by the contractor shall be determined in accordance with Attachment J-5, Award Fee Evaluation Plan.

The amount of available and earned fee, by evaluation period, is provided in Table B-5 below:

Table B-5 Available and Earned Fee									
Basic	Evaluation Periods	Available Fee	Earned Fee	Score	Rating	AF Payment Mod			
1	04/01/11 - 09/30/11			96	Excellent	Mod 20			
2	10/01/11 - 03/31/12			96	Excellent	Mod 35			
3	04/01/12 - 09/30/12			97	Excellent	Mod 53			
4	10/01/12 - 03/31/13			97	Excellent	Mod 67			
5	04/01/13 - 09/30/13			98	Excellent	Mod 86			
6	10/01/13 - 03/31/14			97	Excellent	Mod 101			
	TOTAL								
Option 1	Evaluation Periods								

	J10GA35C dification 154				SECTION B
WIO		CARGO MIS	SION CONTRACT		
7	04/01/14 - 09/30/14		9	98 Excellent	Mod 120
8	10/01/14 - 03/31/15		9	99 Excellent	Mod 147
Option 2	Evaluation Periods				
9	04/01/15 - 09/30/15		10	00 Excellent	Mod 154
10	10/01/15 - 03/31/16				
Option 3	Evaluation Periods				
11	04/01/16 - 09/30/16	-			
12	10/01/16 - 03/31/17				
Option 4	Evaluation Periods				
13	04/01/17 - 09/30/17				
14	10/01/17 - 03/31/18				

(End of clause)

	AMENDMENT OF MODIFICATION			1. CONTRACT ID CODE		PAGE OF PAGES	
2. AMEND	MENT/MODIFICATION NO. Mod 155	3. EFFECTIVE DATE See Block 16C	4. REQUIS	ITION/PURCHASE REQ. NO. N/A	5. PROJEC	CT NO. (If applicable)	
6. ISSUED	BY CODE	BG	7. ADMINI	STERED BY (If other than item 6)	CODE	BG	
2101 N Attn: B0	yndon B. Johnson Space Cente ASA Parkway G/Learon J. Comeaux n, TX 77058	er a	NASA Lyndon B. Johnson Space Center 2101 NASA Parkway Attn: BG/Learon J. Comeaux Houston, TX 77058				
Lockhe Attn: D 2625 Bi	ND ADDRESS OF CONTRACTOR (No., stree ed Martin Engineering Services an V. Wegner ay Area Blvd n, TX 77058						
CODE			FACILITY	CODE	2 (1999)		
	9A. AMENDMENT OF SOLICITATION NO.		98. DATE	D (SEE ITEM 11)			
x	10A. MODIFICATION OF CONTRACT/ORD NNJ10GA35C	ER NO.	10B. DATE 12/10/1	ed <i>(SEE ITEM 13)</i> O	<i>Q</i>		
	1	1. THIS ITEM ONLY APPLIES TO A	MENDMEN	S OF SOLICITATIONS			
(a) By com submitted; BE RECEN YOUR OFF or letter ma	te above numbered solicitation is amended as t acknowledge receipt of this amendment prior i pleting items 8 and 15, and returning or (c) By separate letter or telegram which inclu /ED AT THE PLACE DESIGNATED FOR THE ER. If by virtue of this amendment you desire ikes reference to the solicitation and this amend UNTING AND APPROPRIATION DATA (If requ	to the hour and date specified in the solicital Copies of the amendment; (b) By a des a reference to the solicitation and amen RECEIPT OF OFFERS PRIOR TO THE HO to change an offer already submitted, such o iment, and is received prior to the opening h	ion or as ame cknowledging dment numbe UR AND DAT hange may b	nded, by one of the following meth receipt of this amendment on each (s. FAILURE OF YOUR ACKNOW E SPECIFIED MAY RESULT IN F a made by telegram or letter, prov	th copy of the offor MLEDGEMENT TO REJECTION OF	Is not extended.	
12. 1000						<u>2014</u>	
	24 - 20	13. THIS ITEM APPLIES ONLY TO MODIF IT MODIFIES THE CONTRACT/ORDER	ICATIONS OF NO. AS DES	CONTRACTS/ORDERS, CRIBED IN ITEM 14.(x)			
	A. THIS CHANGE ORDER IS ISSUED PUR CONTRACT ORDER NO. IN ITEM 10A.	SUANT TO: (Specify authority) THE CHAN	ges set fo	RTH IN ITEM 14 ARE MADE IN T	THE		
	B. THE ABOVE NUMBERED CONTRACT/C appropriation date, etc.) SET FORTH IN ITE				In paying office,	2	
х	C. THIS SUPPLEMENTAL AGREEMENT IS Contract Clause H. 16, Specia			Q Task Orders			
	d. OTHER (Specify type of modification and	authority)			1996 - 11 - 12		
E. IMPOR	TANT: Contractor is not,	X is required to sign this document a	nd return	1 copies	to the issuing office.		
14. descrip	blion of amendment/modification (Organized by	UCF section headings, including solicitation.	/contract subj	ect matler where feasible.)	6750 	2	

The purpose of this Supplemental Agreement is to definitize Space Station Change Notice (SSCN) 15054 "Integrated Bag Level Hazard Assessment for Cargo returning from ISS on Commercial Resupply Services (CRS) and Commercial Crew Program (CCP) Vehicles."

15A. NAME AND TITLE OF SIGNER (Type or print) Dan V. Wegner, Contracts Negotiator, St	aff	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	- 15C. DATE SIGNED	16B. UNITED STATES OF AMERICA vs see for LEARN COMMUN. BY LEARON COMEAUX Development of the Communication of the C	16C. DATE SIGNED 11/06/2015	
NSN 7540-01-152-8070 V PREVIOUS EDITION UNUSABLE		-105 STANE	ARD FORM 30 (Rev. 10-83) Prescribed by GSA	

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	Cost
155		Perform Integrated Bag Level Hazard Assessment for Cargo returning from ISS on Commercial Resupply Services (CRS) and Commercial Crew Program (CCP) Vehicles	(b) (4)

B. Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.31 Integrated Bag Level Hazard Assessment for Cargo returning from ISS on Commercial Resupply Services (CRS) and Commercial Crew Program (CCP) Vehicles (SSCN 15054).

C. Section C, Statement of Work, is hereby updated to add the following:

6.31 Integrated Bag Level Hazard Assessment for Cargo returning from ISS on Commercial Resupply Services (CRS) and Commercial Crew Program (CCP) Vehicles (SSCN 15054).

The contractor shall perform the following:

- 1. Ensure that hardware packed together in a bag does not create any new hazards (i.e., material incompatibility).
- 2. Ensure that all hazards are controlled within the bag (i.e., sharp edges/pinch points, frangible materials, fluid containment). This is performed as a stand-alone task for packed bags being returned/disposed on a return vehicle.
- D. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 15054, "Integrated Bag Level Hazard Assessment for Cargo returning from ISS on Commercial Resupply Services (CRS) and Commercial Crew Program (CCP) Vehicles," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

			SOLICITATION/ OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. Mod 156 3. EFFECTIVE DATE See Block 16C			4. REQU	ISITION/PURCHASE REQ. NO.	5. PROJEC	CT NO. (If applicable)	
6. ISSUE) BY	CODE	BG	7. ADMIN	ISTERED BY (It other than Item 6)	CODE	BG
2101 N Attn: B	Lyndon B. Johnson Sj IASA Parkway G/Learon J. Comeaux m, TX 77058		er	2101 N Attn: B	Lyndon B. Johnson Space IASA Parkway G/Learon J. Comeaux on, TX 77058	Center	
8. NAME	AND ADDRESS OF CONTRACT	FOR (No., stree	el, county, State, end ZIP Code)			n n	
Attn: [2625 E	eed Martin Engineering Dan V. Wegner lay Area Blvd m, TX 77058	g Services	5	3	с. 2		
CODE				FACILITY	CODE	10 A	
	9A. AMENDMENT OF SOLIC	CITATION NO.			ED (SEE ITEM 11)		
	10A. MODIFICATION OF CO	IGOTOSETIO					
Х	NNJ10GA35C		JER NO.	108. DAT 12/10/	тер (<i>see item 1</i> 3) 10	\tilde{e}	
	NNJ10GA35C		11. THIS ITEM ONLY APPLIES TO	12/10/	10	is extended,	is not extended
(a) By con submitted BE RECE YOUR OF or fetter m	NNJ10GA35C The above numbered solicitation st acknowledge receipt of this am pleting items B and 15, and retui or (c) By separate letter or teteg VED AT THE PLACE DESIGNAT FER. If by virtue of this amendm	is amended as vendment prior ming ram which inclu TED FOR THE vent you desire and this amon	11. THIS ITEM ONLY APPLIES TO set forth in Item 14. The hour and date to the hour and date specified in the solic Copies of the amendment; (b) if udes a reference to the solicitation and a RECEIPT OF OFFERS PRIOR TO THE to change an offer already submitted, su dment, and is received prior to the opening	12/10/ D AMENDMEN specified for rece citation or as ame By acknowledging mendment number E HOUR AND DA' tech change may b	10 ITS OF SOLICITATIONS ipt of Offers anded, by one of the following methods: g receipt of this amendment on each copy ers. FAILURE OF YOUR ACKNOWLEDA TE SPECIFIED MAY RESULT IN REJECT ps made by telegram or letter, provided each	y of the offor GEMENT TO TION OF	is not extended
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(a) By con submitted BE RECE YOUR OF or letter m 12. ACCC	NNJ10GA35C The above numbered solicitation st acknowledge receipt of this am- pleting items 8 and 15, and return or (c) By separate letter or tetegon VED AT THE PLACE DESIGNAN FER. If by virtue of this amendme akes reference to the solicitation DUNTING AND APPROPRIATION A. THIS CHANGE ORDER I CONTRACT ORDER NO. IN B. THE ABOVE NUMBERED appropriation date, etc.) SET C. THIS SUPPLEMENTAL A	is amended as wordmont prior ming ram which incli TED FOR THE and this amon N DATA (If req S ISSUED PUI ITEM 10A. D CONTRACT/ FORTH IN ITE AGREEMENT I	 THIS ITEM ONLY APPLIES TO set forth in Item 14. The hour and date to the hour and date specified in the solid Copies of the amendment; (b) I udes a reference to the soliditation and a RECEIPT OF OFFERS PRIOR TO THE to change an offer already submitted, su dment, and is received prior to the openin wired) 13. THIS ITEM APPLIES ONLY TO MO IT MODIFIES THE CONTRACT/ORI RSUANT TO: (Spedfy authority) THE CI //CRDER IS MODIFIED TO REFLECT THE 	12/10/ D AMENDMEN specified for rece- citation or as ame By acknowledging mendment numb- E HOUR AND DA' ich change may b ing hour and date DDIFICATIONS C DER NO. AS DES HANGES SET FO HE ADMINISTRAT Y OF FAR 43.10 HORITY OF:	10 ITS OF SOLICITATIONS Into of Offers anded, by one of the following methods: g receipt of this amendment on each copy ers. FAILURE OF YOUR ACKNOWLEDX TE SPECIFIED MAY RESULT IN REJEC ose made by telegram or letter, provided ex specified. DF CONTRACTS/ORDERS, SCRIEED IN ITEM 14.(x) DRTH IN ITEM 14 ARE MADE IN THE TIVE CHANGES (such as changes in pay 3(b).	y of the offor GEMENT TO TION OF ach telegram	is not extended
(a) By con submitted, BE RECE YOUR OF or fetter m	NNJ10GA35C The above numbered solicitation st acknowledge receipt of this am- pleting items 8 and 15, and return or (c) By separate letter or tetegon VED AT THE PLACE DESIGNAN FER. If by virtue of this amendme akes reference to the solicitation DUNTING AND APPROPRIATION A. THIS CHANGE ORDER I CONTRACT ORDER NO. IN B. THE ABOVE NUMBERED appropriation date, etc.) SET C. THIS SUPPLEMENTAL A	is amended as sendment prior ram which incli TED FOR THE ent you desire and this amon N DATA (<i>if req</i> S ISSUED PUI ITEM 10A. D CONTRACT/ FORTH IN ITE AGREEMENT I 16, Specia	 11. THIS ITEM ONLY APPLIES TO set forth in Item 14. The hour and date to the hour and date specified in the solid to the hour and date specified in the solid udes a reference to the soliditation and a receipt OF OFFERS PRIOR TO THE to change an offer already submitted, sudment, and is received prior to the openin wired) 13. THIS ITEM APPLIES ONLY TO MO IT MODIFIES THE CONTRACT/ORI RSUANT TO: (Specify authority) THE CITIES ONLY TO AUT 14, PURSUANT TO THE AUTHORITIS ENTERED INTO PURSUANT TO AUT al Clause for Contract Char 	12/10/ D AMENDMEN specified for rece- citation or as ame By acknowledging mendment numb- E HOUR AND DA' ich change may b ing hour and date DDIFICATIONS C DER NO. AS DES HANGES SET FO HE ADMINISTRAT Y OF FAR 43.10 HORITY OF:	10 ITS OF SOLICITATIONS Into of Offers anded, by one of the following methods: g receipt of this amendment on each copy ers. FAILURE OF YOUR ACKNOWLEDX TE SPECIFIED MAY RESULT IN REJEC ose made by telegram or letter, provided ex specified. DF CONTRACTS/ORDERS, SCRIEED IN ITEM 14.(x) DRTH IN ITEM 14 ARE MADE IN THE TIVE CHANGES (such as changes in pay 3(b).	y of the offor GEMENT TO TION OF ach telegram	is not extended

The purpose of this Supplemental Agreement is to definitize Space Station Change Notice (SSCN) 15196 "COTS: Procure and Certify Surface Pro 3 to support International Space Station (ISS) Operations & Utilization and Baseline the Associated Applicable Requirements Matrix for Commercial-off-the-Shelf (COTS) Hardware Certification."

15A. NAME AND TITLE OF SIGNER (Type or print) Dan V. Wegner, Contracts Negotiator, Sta	aff	18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon J. Comeaux, Contracting Officer		
158. CONTRACTOR/OFFEROR (Signature of person duthorized to sign)	- 11-18-2015	16B. UNITED STATES OF AMERICA Distance of the second state of the	16C. DATE SIGNED	
NSN 7540-01-152-8070 30		-105 STAND ord (Aug 95)	ARD FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CER) 53 243	

A. The purpose of this Supplemental Agreement is to definitize the underlimit contract change in accordance with Clause H.16 - Special Clause for Contract Changes and IDIQ Task Orders as follows:

Modification #	Mod Date	Description	Cost
156		COTS: Procure and Certify Surface Pro 3 to support International Space Station (ISS) Operations & Utilization and Baseline the Associated Applicable Requirements Matrix for Commercial-off-the-Shelf (COTS) Hardware Certification	(b) (4)

B. Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.37 Configure and perform certification tasks for Surface Pro 3 and various accessories to support ISS Operations & Utilization in two phases (SSCN 15196).

C. Section C, Statement of Work, is hereby updated to add the following:

6.37 Configure and perform certification tasks for Surface Pro 3 and various accessories to support International Space Station (ISS) Operations & Utilization in two phases (SSCN 15196).

The contractor shall perform the following tasks for Phase I:

The contractor shall perform the following:

- 1. Develop and release three (3) drawings.
- 2. Tailoring/Interpretation Agreement (TIA) creation and approval as required.
- 3. Perform thermal touch temperature analysis and/or testing.
- 4. Generate electronic Launch Return On-Orbit Data Sets (eLRODS).

The contractor shall perform the following tasks for Phase II:

- 1. Procure and apply flight labels for all flight hardware.
- 2. Complete battery acceptance testing for a quantity of twenty (20) Surface Pro 3 tablets
- D. Section J, Attachment J-9, Hardware List, is hereby revised to add the following:

Item Number	Description	Drawing/Part Number	Sustain
131	Surface Pro 3 Tablets	TBD	Sustaining shall begin post DD250 of hardware.
132	Power Cords	TBD	Sustaining shall begin post DD250 of hardware.
133	Stylus Pens	TBD	Sustaining shall begin post DD250 of hardware.
134	Type Covers	TBD	Sustaining shall begin post DD250 of hardware.
135	Port to High-Definition Multimedia	TBD	Sustaining shall begin post DD250 of hardware.

TABLE 1.1-D LAPTOPS

Interface (HDMI) Adapters	

E. Section J, Attachment J-16, Deliverable Items List, is hereby revised to add the following:

NO	CHANGE NUMBER	PART NUMBER	SERIAL NUMBER	LM ID NO	NOMENCLATURE	QTY	UNIT	DD250 DATE
136	15196	TBD	TBD	CMC0555	Surface Pro 3 Tablets	3	EA	01/25/16
137	15196	TBD	TBD	CMC0556	Power Cords	3	EA	01/25/16
138	15196	TBD	TBD	CMC0557	Stylus Pens	3	EA	01/25/16
139	15196	TBD	TBD	CMC0558	Type Covers	3	EA	01/25/16
140	15196	TBD	TBD	CMC0560	Port to High-Definition Multimedia (HDMI) Adapters	3	EA	01/25/16
141	15196	TBD	TBD	CMC0561	Surface Pro 3 Tablets	20	EA	07/15/16
142	15196	TBD	TBD	CMC0562	Power Cords	20	EA	07/15/16
143	15196	TBD	TBD	CMC0563	Stylus Pens	20	EA	07/15/16
144	15196	TBD	TBD	CMC0564	Type Covers	4	EA	07/15/16
145	15196	TBD	TBD	CMC0566	Port to High-Definition Multimedia Interface (HDMI) Adapters	6	EA	07/15/16

F. Section J, Attachment J-19, Government Furnished Equipment, is hereby revised to add the following:

NASA RESP	RESP Team	LM RESP	Unique ID	Nomenclature	FLT No.	Need Date
Angela Olstad	OD	Cuong Le		Surface Pro 3 Tablets	OA-5	11/06/15
Angela Olstad	OD	Cuong Le		Power Cords	OA-5	11/06/15
Angela Olstad	OD	Cuong Le		Stylus Pens	OA-5	11/06/15
Angela Olstad	OD	Cuong Le		Type Covers	OA-5	11/06/15
Angela Olstad	OD	Cuong Le		Port to High-Definition Multimedia Interface (HDMI) Adapters	OA-5	11/06/15
Angela Olstad	OD	Cuong Le		Surface Pro 3 Tablets	NFS	01/04/16
Angela Olstad	OD	Cuong Le		Power Cords	NFS	01/04/16
Angela Olstad	OD	Cuong Le		Stylus Pen	NFS	01/04/16

Angela Olstad	OD	Cuong Le	Surface Pro Type Covers	NFS	01/04/16
Angela Olstad	OD	Cuong Le	Port to High-Definition Multimedia Interface (HDMI) Adapters	NFS	01/04/16

G. This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 15196, "COTS: Procure and Certify Surface Pro 3 to support International Space Station (ISS) Operations & Utilization and Baseline the Associated Applicable Requirements Matrix for Commercial-off-the-Shelf (COTS) Hardware Certification," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

		F SOLICITATION/	1. CONTRACT ID CODE		PAGE OF PAGES
2. AM	ENDMENT/MODIFICATION NO. Mod 157	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJE	CT NO. (If applicable)
6. ISS	UED BY CODE	BG	7. ADMINISTERED BY (If other than Item 6)	CODE	BG
NAS	A Lyndon B. Johnson Space	Center	NASA Lyndon B. Johnson Space	Center	L
2101	NASA Parkway		2101 NASA Parkway		
Attn	BG/Learon Comeaux		Attn: BG/Learon Comeaux		
Hous	ston, TX 77058		Houston, TX 77058		
8. NA	ME AND ADDRESS OF CONTRACTOR	(No., street, county, State, and ZIP	Code)		
Lock	heed Martin Engineering Se	rvices			
	: Dan V. Wegner				
	Bay Area Blvd				
	ston, TX 77058		9) (4)		
CODE	A AMENDMENT OF SOURTATIO	NNO	FACILITY CODE		
	9A. AMENDMENT OF SOLICITATIO	N NO.	9B. DATED (SEE ITEM 11)		
х	10A. MODIFICATION OF CONTRAC NNJ10GA35C	T/ORDER NO.	108. DATED (SEE ITEM 13) 12/10/10		
			AMENDMENTS OF SOLICITATIONS		····
(a) By submit BE RE YOUR or lette	completing Items 8 and 15, and led; or (c) By separate letter or telegram CEIVED AT THE PLACE DESIGNATED OFFER. If by virtue of this amendment r makes reference to the solicitation and	Copies of the amendment; (which includes a reference to the so POR THE RECEIPT OF OFFERS I you desire to change an offer alread this amendment, and is received pr	cified in the solicitation or as amended, by one of the b) By acknowledging receipt of this amendment on blicitation and amendment numbers. FAILURE OF 1 PRIOR TO THE HOUR AND DATE SPECIFIED MA by submitted, such change may be made by telegrar ior to the opening hour and date specified.	each copy of YOUR ACKN Y RESULT IN	the offor OWLEDGEMENT TO I REJECTION OF
12. AC	COUNTING AND APPROPRIATION D	ATA (If required) N/A			
	T	T MODIFIES THE CONTRACT/ORD	DIFICATIONS OF CONTRACTS/ORDERS, DER NO. AS DESCRIBED IN ITEM 14.(x)		
	A. THIS CHANGE ORDER IS ISSUE CONTRACT ORDER NO. IN ITEM 10	D PURSUANT TO: (Specify authori)A.	ITHE CHANGES SET FORTH IN ITEM 14 ARE I	MADE IN THI	E
	B. THE ABOVE NUMBERED CONTI appropriation date, etc.) SET FORTH	RACT/ORDER IS MODIFIED TO RE IN ITEM 14, PURSUANT TO THE A	FLECT THE ADMINISTRATIVE CHANGES (such a AUTHORITY OF FAR 43.103(b).	is changes in	paying office,
	C. THIS SUPPLEMENTAL AGREEM	ENT IS ENTERED INTO PURSUAN	IT TO AUTHORITY OF:		
х	d. OTHER (Specify type of modificati Contract Clauses I.1; 52.24		oursement (AUG 1987) Alternate II (APR 1984	ł)
E. IMP	ORTANT: Contractor is not,	X is required to sign this docu	ment and return copies to the is	suing office.	
14. de	scription of amendment/modification (Or	ganized by UCF section headings, i	ncluding solicitation/contract subject matter where fe	əasible.)	

(See continuation pages)

15A. NAME AND TITLE OF SIGNER (Type or print) Dan V. Wegner, Contracts Negotiato:		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Learon Comeaux, Contracting Officer		
15B_CONTRACTOR/OFFEROR (Signeture of person authorized to sign)	15C. DATE SIGNED 11.16.2015	16B. UNITED STATES OF AMERICA LEARN COMPARE BY LEARON COMEAUX (Signature of Contracting Officer)	18C. DATE SIGNED 11/16/2015	
NSN 7540-01-152-8070 V PREVIOUS EDITION UNUSABLE		105 STANDAR ord (Aug 95)	D FORM 30 (Rev. 10-83) Prescribed by GSA FAR (48 CFR) 53 243	

NNJ10GA35C Modification 157 Page 2 of 9

- The purpose of this Supplemental Agreement is to incorporate the cost and fee amounts for Space Station Change Notice (SSCN) 14509. The contractor shall procure and certify a new laptop hardware system to replace the T61p in support of International Space Station (ISS) Operations, Payloads & Utilization and Baseline the Associated Applicable Requirements Matrix for Commercial-off-the Shelf (COTS) Hardware Certification.
- Clause B.2, Total Contract Value is hereby revised to reflect the increase from \$131,399,061 by \$819,370 to \$132,218,431 in cumulative base contract value; an increase from \$25,755,228 by \$819,370 to \$26,574,598 for Option 2; an increase from \$24,110,097 by \$298,105 to \$24,408,202 for Option 3. As a result of this change, replacement page B-1, B-2, and B-3 are hereby attached.
- 3) Clause B.3, NFS 1852.216-85 Estimated Cost and Award Fee is hereby revised to reflect the increase from
 (b) (4) and the award fee increased from
 (b) (4) As a result of this change, replacement page B-3 is attached.
- Clause B.7, Award Fee, is hereby revised to reflect the increase in the amount of available and earned fee, by evaluation period, provided in Table B-5.
- 5) Section C, Statement of Work, Table of Contents, is hereby updated to add the following:

6.29 Support Certification and Deliver New Laptop Hardware System to Replace the T61p in Support of International Space Station (ISS) Operations, Payloads & Utilization and Baseline the Associated Applicable Requirements Matrix for Commercial-off-the Shelf (COTS) Hardware Certification (SSCN 014509)

6) Section C, Statement of Work, is hereby revised to add the following:

6.29 Support Certification and Deliver New Laptop Hardware System to Replace the T61p in Support of International Space Station (ISS) Operations, Payloads & Utilization and Baseline the Associated Applicable Requirements Matrix for Commercial-off-the Shelf (COTS) Hardware Certification (SSCN 014509)

The contractor shall:

- Have downgrade authority of any Class I COTS laptop and accessories to Class III and provide logistical support for distribution of the Class III units to satisfy requests submitted through the my CMC portal Request for Support (RFS) tool.
- Complete laptop battery certification testing by 2/25/2016 per JSC 66548, Requirements for Flight Certification and Acceptance of Commercial Off the Shelf (COTS) Lithium-Ion (Li-Ion) Batteries, Revision A as levied by JSC 20793.
- Complete laptop battery acceptance testing by 6/06/16 per JSC 66548, Requirements for Flight Certification and Acceptance of Commercial Off the Shelf (COTS) Lithium-Ion (Li-Ion) Batteries, Revision A as levied by JSC 20793.
- Provide a quantity of 1 Class I ZBook 15 laptop (including accessories) to NASA (via DD1149) by 1/15/2016 for EMI testing.
- 5. Provide a quantity of 1 Class I ZBook 15 laptop (including accessories) to NASA (via DD1149) by 1/15/2016 for 16V power quality testing.
- Provide a quantity of 1 Class I ZBook 15 laptop (including accessories) to NASA (via DD1149) by 1/15/2016 for power inverter testing.

- 7. Provide a quantity of 1 Class I ZBook 15 laptop (including accessories) to NASA (via DD1149) by 1/15/2016 for radiation testing.
- 8. Provide a quantity of 1 Class I ZBook 15 laptop (including accessories) to NASA (via DD1149) by 1/15/2016 for flammability and offgas testing.
- 9. Perform thermal analysis and testing for safety hazard verification by 2/01/16 of the new laptop system for verification of laptop thermal performance and touch temperature validation.
- 10. Perform Remote Terminal (RT) validation testing with USB 1553 adapter by 5/08/16.
- 11. Perform Gaussian testing (DC Magnetic Fields) of the new laptop system by 1/29/16.
- 12. Perform flight unit acceptance testing (Pre-Delivery Acceptance (PDA)/Pre-Installation Acceptance (PIA)) and analysis for all the new flight laptop system hardware items by 9/01/2016.
- 13. Procure and sustain (including updating the drawings with alternate Vendor Part Numbers if current vendor parts are unavailable) a minimum quantity of media cards to support on-orbit computer resources operations and utilization for the following part numbers:
 - i. SEG33124214-301 64GB USB Flashdrive
 - ii. SEG33124213-301 32GB HDSC Card
 - iii. SEG33124723-005 32GB HDSC Card
 - iv. SEG33123675-301 32GB Compact Flash Card
 - v. SEG33124502-301 32GB Compact Flash Card
- 7) Section J, Attachment J-9, Hardware List, is hereby revised to add the following:

Item Number	Description	Drawing/Part Number	Sustain
123	ZBook 15 Laptop	TBD	Sustaining shall begin post DD250 of hardware.
124	ZBook 15 Power Cable	TBD	Sustaining shall begin post DD250 of hardware.
125	ZBook 15 Hard Disk Drive (HDD)	TBD	Sustaining shall begin post DD250 of hardware.
126	ZBook 15 Battery Packs	TBD	Sustaining shall begin post DD250 of hardware.
127	ZBook 15 Internal Solid State Drive (SSD)	TBD	Sustaining shall begin post DD250 of hardware.
128	ZBook 15 External Blu-Ray Player	TBD	Sustaining shall begin post DD250 of hardware.
129	ZBook 15 Ultrabay Adapter	TBD	Sustaining shall begin post DD250 of hardware.
130	1553 USB Interface Adapter	TBD	Sustaining shall begin post DD250 of hardware

TABLE 1.1-D LAPTOPS

NO	CHANGE NUMBER	PART NUMBER	SERIAL NUMBER	LM ID NO	NOMENCLATURE	QTY	UNIT	DD250 DATE
126	014509	TBD	TBD	CMC0519	ZBook 15 Laptop	150	EA	9/01/16
127	014509	TBD	TBD	CMC0520	ZBook 15 Power Cable	150	EA	9/01/16
128	014509	TBD	TBD	CMC0521	ZBook 15 HDD Flight Spares	200	EA	9/01/16
129	014509	TBD	TBD	CMC0522	USB to Gigabit Ethernet Adapters	30	EA	9/01/16
130	014509	TBD	TBD	CMC0523	Display Port to HDMI Adapters	20	EA	9/01/16
131	014509	TBD	TBD	CMC0524	ZBook 15 Battery Packs Flight Spares	150	EA	9/01/16
132	014509	TBD	TBD	CMC0525	ZBook 15 Internal SSD Flight Spares	100	EA	9/01/16
133	014509	TBD	TBD	CMC0526	ZBook 15 External BlueRay Player	75	EA	9/01/16
134	014509	TBD	TBD	CMC0527	ZBook 15 Ultrabay Adapter	75	EA	9/01/16
135	014509	TBD	TBD	CMC0528	1553 USB Interface Adapter	50	EA	9/01/16

8) Section J, Attachment J-16, Deliverable Items List, is hereby revised to add the following:

9) Section J, Attachment J-18, Government Furnished Data, is hereby revised to add the following:

NASA RESP	RESP Team	LM RESP	Unique ID	Nomenclature	FLT No.	Need Date
Stephen Hunter	OD	Micah Johnson		COTS HP ZBook 15 Laptop Detailed Drawings/Specifications and Power Distribution	NFS	12/01/2016
Stephen Hunter	OD	Micah Johnson		COTS HP 90W Slim Combo AC Adapter Detailed Drawings/Specifications and Power Distribution	NFS	12/01/2016
Stephen Hunter	OD	Micah Johnson		Zbook 15 Laptop EMI Data/Test Report (SSCN 014509)	NFS	2/26/2016
Stephen Hunter	OD	Micah Johnson		Zbook 15 Laptop Inverter Compatibility Data/Test Report (SSCN 014509)	NFS	2/26/2016
Stephen Hunter	OD	Micah Johnson		Zbook 15 Laptop 16V Power Quality Data/Test Report (SSCN 014509)	NFS	2/26/2016
Stephen Hunter	OD	Micah Johnson		Zbook 15 Laptop Flammability and offgas Data/Test Report (SSCN 014509)	NFS	2/26/2016

NASA RESP	RESP Team	LM RESP	Unique ID	Nomenclature	FLT No.	Need Date
Stephen Hunter	OD	Micah Johnson		ZBook 15 Laptops and accessories for testing	NFS	11/30/2015
Stephen Hunter	OD	Micah Johnson		ZBook 15 Laptop Battery Packs for testing	NFS	11/30/2015
Stephen Hunter	OD	Micah Johnson		ZBook 15 Laptop Battery Packs	NFS	11/30/2015
Stephen Hunter	OD	Micah Johnson		ZBook 15 Laptops	NFS	11/30/2015
Stephen Hunter	OD	Micah Johnson		ZBook 15 Power Cable	NFS	11/30/2015
Stephen Hunter	OD	Micah Johnson		ZBook 15 Hard Disk Drive (HDD)	NFS	11/30/2015
Stephen Hunter	OD	Micah Johnson		ZBook 15 Internal Solid State Drive (SSD)	NFS	11/30/2015
Stephen Hunter	OD	Micah Johnson		ZBook 15 External Blu-Ray Player	NFS	11/30/2015
Stephen Hunter	OD	Micah Johnson		ZBook 15 Ultrabay Adapter	NFS	11/30/2015
Stephen Hunter	OD	Micah Johnson		1553 USB Interface Adapter	NFS	12/30/2015

10) **Section J, Attachment J-19, Government Furnished Equipment**, is hereby revised to add the following:

11) This modification constitutes full and complete equitable adjustment for the changes set forth herein. In consideration of the modification agreed to herein as complete equitable adjustments for the changes identified in the signed Change Directive 14509 "Procure and Certify a New Laptop Hardware System to Replace the T61p in Support of International Space Station (ISS) Operations, Payloads & Utilization and Baseline the Associated Applicable Requirements Matrix for Commercial-off-the Shelf (COTS) Hardware Certification," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.

PART I - THE SCHEDULE

SECTION B - SUPPLIES OR SERVICES AND PRICE/COSTS

B.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE		
NUMBER	DATE	TITLE
None included		
by reference		

II. NASA FAR SUPPLEMENT (48 CFR CHAPTER 18) PROVISIONS

CLAUSE NUMBER	DATE	TITLE
None included by reference		

B.2 TOTAL CONTRACT VALUE

The current cumulative contract value is \$131,399,061 \$132,218,431 (including the Firm Fixed-Price (FFP) Phase-In, all Task Orders issued to date, all Underlimit Pools through Contract Year 4, and Option 1 and Option 2).

Task Order (TO) No. 001 was issued on July 12, 2011 that consisted a total price of \$3,174,829 ((b) (4) in cost and \$(b) (4) in fee). Task Order No. 001, Revision 01 was issued on June 8, 2012 with a total increase in price of \$410,094 (\$(b) (4) in cost and \$(b) (4) in fee). The total revised price for TO 001 is \$3,584,923 (\$(b) (4) in cost and \$(b) (4) in fee).

TO No. 002 was issued on June 28, 2013 for a total price of 2,051,327(\$ (b) (4) in cost and \$ (b) (4) in fee). TO No. 002 Revision 01 was issued on November 18, 2013 with a total increase in price of 188,014 (\$ (b) (4) cost and \$ (b) (4) fee). The total revised price for TO 002 is 2,239,341 (\$ (b) (4) cost and \$ (b) (4) fee).

TO No. 003 was issued on August 28, 2013 for a total price of 964,488 ((b) (4) in cost and (b) (4) in fee).

TO No. 004 was issued on September 24, 2015 for a total price of 3,145,242 ((b) (4) in cost and (b) (4) in fee).

The minimum amount of IDIQ supplies and services ordered in total and paid for under this contract shall be \$15,000.

The maximum not-to-exceed (NTE) value of IDIQ supplies and services ordered in total under this contract is <u>\$20 Million</u>, which includes incidental materials and travel. The maximum NTE amount does not reflect an obligation of the Government. The Government's obligation hereunder shall be based on that specified in the task/delivery orders issued during the period of the contract.

Basic Period of Performance Table

	Maximum Contract Value		
Phase-In (ref Clause B.5)			
CPAF (ref Clause B.3)			
TOTAL			

Option 1 Table

	Maximum Contract Value		
CPAF (ref Clause B.3)	(h) (4)		
TOTAL			

Option 2 Table

	Maximum Contract Value		
CPAF (ref Clause B.3)	(b) (1)		
TOTAL			

Option 3 Table

	Maximum Contract Value		
CPAF (ref Clause B.3)	(b) (1)		
TOTAL			

Option 4 Table

	Maximum Contract Value
CPAF (ref Clause B.3)	(b) (1)
TOTAL	

Total Table

		Maximum Contract Value	
	FFP	\$ (b) (4)	
	CPAF (ref Clause B.3)	(b) (4)	
	Remaining IDIQ (NTE)	(b) (4)]
(End	TOTAL	\$188,861,228	of clause)
	IOTAL	\$189,978,703	
B.3	NFS 1852.216-85 ESTIMATEI	D COST AND AWARD FEE (SEP 1993)
	The estimated cost of this contra- available award fee, excluding ba Total estimated cost, base fee, an (b) (4)	ase fee, if any, is (b) (The maximum 4)) (4)

(End of clause)

B.4 NFS 1852.232-81 CONTRACT FUNDING (JUN 1990)

- (a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$ (b) (4) This allotment is for cargo mission services and covers the following estimated period of performance: January 1, 2011 through December 27, 2015.
- (b) An additional amount of \$ (b) (4) is obligated under this contract for payment of fee.

(End of clause)

B.5 FUNDING FOR FIXED-PRICE ITEMS PHASE-IN

Fixed-Price (FP) Milestone Payments for Phase-In exist under a FP arrangement in this contract and therefore must be fully funded. FP Milestone Payments for Phase-In is fully funded at the time of contract award. Funds obligated under this clause are separate and distinct from those allotted under Clause B.3

T ount obligated and available for FP Milestone Payment for Phase-In is (b) (4)

The TOTAL FP amount obligated and available is $\underline{\$}$ (b) (4)

(End of clause)

B.7 AWARD FEE

The amount of fee earned by the contractor shall be determined in accordance with Attachment J-5, Award Fee Evaluation Plan.

The amount of available and earned fee, by evaluation period, is provided in Table B-5 below:

Table B-5	Table B-5 Available and Earned Fee							
Basic	Evaluation Periods	Available Fee	Earned Fee	Score	Rating	AF Payment Mod		
1	04/01/11 - 09/30/11			96	Excellent	Mod 20		
2	10/01/11 - 03/31/12			96	Excellent	Mod 35		
3	04/01/12 - 09/30/12			97	Excellent	Mod 53		
4	10/01/12 - 03/31/13			97	Excellent	Mod 67		
5	04/01/13 - 09/30/13			98	Excellent	Mod 86		
6	10/01/13 - 03/31/14			97	Excellent	Mod 101		
	TOTAL							
Option 1	Evaluation Periods							
7	04/01/14 - 09/30/14			98	Excellent	Mod 120		
8	10/01/14 - 03/31/15			99	Excellent	Mod 147		
Option 2	Evaluation Periods							
9	04/01/15 - 09/30/15			100	Excellent	Mod 154		
10	10/01/15 - 03/31/16							
Option 3	Evaluation Periods							
11	04/01/16 - 09/30/16							
12	10/01/16 - 03/31/17							
Option 4	Evaluation Periods							
13	04/01/17 - 09/30/17							
14	10/01/17 - 03/31/18							

(End of clause)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
			1		1 1		
	NT/MODIFICATION NO.	3. EFFECTIVE DATE	4. RE	QUISITION/PURCHASE REQ. NO.	5. PR0	DJECT NO. (If applicable)	
000191 6. ISSUED BY	CODE	700	7 10	DMINISTERED BY (If other than Item 6)	CODE	700	
		JSC	_		OODL	JSC	
NASA/Johnson Space Center Attn: David C. Nayles/BG				SA/Johnson Space Center			
	SA Parkway Houston)1 NASA Parkway			
TX 7705	-			iston TX 77058-3696			
8. NAME AND	ADDRESS OF CONTRACTOR (No., street	, county, State and ZIP Code)	(x) 94	A. AMENDMENT OF SOLICITATION NO.			
LOCKHEEL) MARTIN SERVICES, IN	~					
	REDERICK AVE	~·	98	B. DATED (SEE ITEM 11)			
GAITHERS	SBURG MD 20879-3328						
			10	A. MODIFICATION OF CONTRACT/ORDER N	0.		
			XN	NJ10GA35C	0.		
		FACILITY CODE	-	DB. DATED (SEE ITEM 13)			
CODE 3V	RH3			12/10/2010			
	numbered solicitation is amended as set for	11. THIS ITEM ONLY APPLIES TO				☐ is not extended.	
virtue of this reference to	a amendment you desire to change an offe the solicitation and this amendment, and TING AND APPROPRIATION DATA (<i>If req</i> edule 13. THIS ITEM ONLY APPLIES TO M A. THIS CHANGE ORDER IS ISSUED F ORDER NO. IN ITEM 10A.	ar already submitted , such change may is received prior to the opening hour and uired) ODIFICATION OF CONTRACTS/ORDEF PURSUANT TO: (Specify authority) THI CT/ORDER IS MODIFIED TO REFLECT 1 IN ITEM 14, PURSUANT TO THE AUT T IS ENTERED INTO PURSUANT TO A and authority)	RS. IT M C CHAN	IODIFIES THE CONTRACT/ORDER NO. AS DE GES SET FORTH IN ITEM 14 ARE MADE IN TI DMINISTRATIVE CHANGES (such as changes i Y OF FAR 43.103(b). RITY OF:	SCRIBE	D IN ITEM 14.	
E. IMPORTAN		is required to sign this document ar			·		
	TION OF AMENDMENT/MODIFICATION		-	solicitation/contract subject matter where feasib	le.)		
	CMC2 contract.	LION IS LO UPUALE LI	16 (2				
	chez contract.						
Payment	Terms Net 30 days.						
Payment Terms Net 30 days: Delivery Location Code: JSC							
NASA/Johnson Space Center							
2101 NASA Parkway							
	TX 77058-3696 USA						
FOB: Des	stination						

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect. 15A. NAME AND TITLE OF SIGNER (*Type or print*)
16A. NAME AND TITLE OF CONTRACTING OFFICER (*Type or print*)

		LaToy J. Jones		
(Signature of person authorized to sign)		(Signature of Contracting Officer)		
NSN 7540-01-152-8070		STANDARD FORM 30 (REV. 10-83)		
Previous edition unusable		Prescribed by GSA		