

NNK14467515R

Commercial Crew Transportation Capability (CCtCap)

**Acronym List (Attachment J-05)
Solicitation NNK14467515R**

Acronym	Definition
AC	air conditioning
ACORN	Association of Community Organizations for Reform Now
ACS	attitude control system
AEM-T	animal enclosure module–transporter
AFS	agency filing scheme
AFSPCMAN	Air Force Space Command Manual
ANC	Alaska Native Corporations
ARO	automated rendezvous officer
ASTP	Apollo-Soyuz Test Project
ATD	anthropomorphic test dummy
ATP	authority to proceed
ATP	acceptance testing procedure
AVI	avionics
BDEALS	Bi-Lateral Data Exchange Agreement List and Schedule
BHSEALS	Bi-Lateral Hardware Software Exchange Agreement List and Schedule
BOE	basis of estimate
BOM	bill of material
C&DH	command and data handling
C1	first Commercial Orbital Transportation Services mission
C2	second Commercial Orbital Transportation Services mission
C3	third Commercial Orbital Transportation Services mission
C2V2	Commercial Crew Visiting Vehicle
CAD	computer-aided design
CAGE	contractor and government entity
CAPCOM	capsule communicator
CAR	corrective action request
CATIA	Computer-Aided Three-Dimensional Interactive Application
CBA	collective bargaining agreement
CBR	certification baseline review
CC	communications coordinator
CCAFS	Cape Canaveral Air Force Station

CCDev 2	Commercial Crew Development 2
CCDT	crew countdown demonstration test
CCiCap	Commercial Crew Integrated Capability
CCO	core contract objectives
CCP	Commercial Crew Program
CCR	Central Contractor Registration
CCtCap	Commercial Crew Transportation Capability
CD	compact disc
CDR	critical design review
CD-ROM	compact disc-read only memory
CEIT	crew equipment interface test
CEO	chief executive officer
CF/EP	carbon fiber/epoxy
CFD	computational fluid dynamics
CFO	chief financial officer
CFR	Code of Federal Regulations
CFSW	circumferential friction stir welding
CIAO	Central Industry Assistance Office
CIR	cargo integration review
CISO	chief information security officer
CITL	crew in the loop
CLA	coupled loads analysis
CLIN	contract line item number
CM	command module
CM	configuration management
CMC	ceramic matrix composite
CNC	computer numerically controlled
CO	contracting officer
Conops	concept of operations
COPV	composite overwrapped pressure vessel
COR	contracting officer representative
CORE	crew operations and resources engineer
COTR	contracting officer technical representative

COTS	Commercial Orbital Transportation Services
CPC	Certification Products Contract
CPU	central processing unit
CR	certification review
CRADA	Cooperative Research and Development Agreement
CRS	Commercial Resupply Services
CSA	Canadian Space Agency
CTB	cargo transport bag
CTO	chief technology officer
CTS	crew transportation system
CUCU	COTS ultra-high-frequency-band communications unit
CY	calendar year
DAEZ	down-range abort exclusion zone
dCDR	delta critical design review
DCE	detailed cost estimate
DCMA	Defense Contract Management Agency
DCR	design certification review
DDTE	design, development, test and evaluation
DID	data item deliverable
DM	demonstration mission
DMCF	definitive medical care facility
DMR	detailed mission requirements
DoD	Department of Defense
DOF	degree of freedom
DOT	Department of Transportation
DRD	data requirements deliverable
DRL	data requirements list
DRM	design reference mission
DUNS	Data Universal Numbering System
ECLSS	environmental control and life support system
ECP	engineering change proposal
ECS	environmental control system
EDL	entry, descent and landing

EELV	evolved expendable launch vehicle
EMC	electromagnetic compatibility
EMD	engineering manufacturing and design
EMI	electromagnetic interference
EOM	end of mission
EPA	Environmental Protection Agency
ERP	enterprise resource planning
ESA	European Space Agency
ESD	electrostatic discharge
eSRS	Electronic Subcontracting Reporting System
ETE	end to end
EVA	extravehicular activity
EVR	extravehicular robotic
F9	Falcon 9
FAA	Federal Aviation Administration
FAPIIS	Federal Awardee Performance and Integrity Information System
FAR	Federal Acquisition Regulation
FASB	Financial Accounting Standards Board
FC	flight computer
FCC	Federal Communications Commission
FCOD	flight crew operations directorate
FDIR	fault detection, isolation and recovery
FEM	finite-element model
FFP	firm fixed price
FIPS	Federal Information Processing Standards
FMD	Financial Management Division
FMEA	failure modes and effects analysis
FMECA	Failure modes, effects and criticality analysis
FOD	foreign object debris
FOR	flight operations review
FP2	flight prototype 2
FP3	flight prototype 3
FPGA	field programmable gate array

FRGF	flight releasable grapple fixture
FRR	flight readiness review
FSA	fuel storage area
FSDP	facility safety data package
FSS	fixed service structure
FTRR	flight test readiness review
FTS	flight termination system
GAO	Government Accountability Office
GC	ground controller
GFD	government-furnished data
GFE	government-furnished equipment
GFP	government-furnished property
GFS	government-furnished services
GFY	government fiscal year
GHe	gaseous helium
GIDEP	Government-Industry Data Exchange Program
GNC	guidance, navigation and control
GOP	ground operations plan
GPS	Global Positioning System
GQA	Government Quality Assurance
GSE	ground support equipment
GUI	graphical user interface
HA	hazard analysis
HCS	hard capture system
HD	high definition
HDBK	handbook
HITL	hardware in the loop
HOOTL	hardware out of the loop
HR	hazard report
HSI	human system integration
HUBZone	historically underutilized business zone
HVAC	heating, ventilation and air conditioning
IAW	in accordance with

I-Bay	information bay
IBLHA	integrated bag level hazard assessment
ICA	interface control agreement
ICD	interface control document
IDA	International Docking Adapter
IDD	interface definition document
IDIQ	indefinite delivery, indefinite quantity
IDSS	International Docking System Standard
I/F	interface
IFA	in-flight anomaly
IGA	Agreement among the Government of Canada, Governments of Member States of the European Space Agency, the Government of Japan, the Government of the Russian Federation, and the Government of the United States of America concerning Cooperation on the Civil International Space Station
iLIDS	International Low-Impact Docking System
IMC	ISS Management Center
IMT	integrated management team
IMMT	integrated mission management team
IMP	integrated master plan
IMS	integrated master schedule
IMU	inertial measurement unit
IP	Internet protocol
IPCU	ISS power converter unit
IPO	industrial property officer
IRD	interface requirements document
ISE	integration and systems engineer
ISO	International Organization for Standardization
ISR	Individual Subcontracting Report
ISRR	integrated system requirements review
ISS	International Space Station
ISSP	International Space Station Program
ITAR	International Traffic in Arms Regulations
ITMP	Information Technology Management Plan

ITSMP	Information Technology Security Management Plan
ITSP	Information Technology Security Plan
IV&V	independent verification and validation
IVA	intravehicular activity
IVT	interface verification tests
IWG	ISS Imagery Working Group
JAPC	Joint Audit Planning Committee
JAXA	Japan Aerospace Exploration Agency
JHA	Jurisdiction Having Authority
JIS	joint integrated simulation
JiVTP	Joint Integrated Verification Test Plan
JOP	joint operations panel
JPIA	Joint Payload Integration Application
JPRCB	joint program requirements control board
JSC	Johnson Space Center
JTT	Joint Test Team
KDP	key design parameter
KNPR	Kennedy NASA procedural requirement
KSC	Kennedy Space Center
L-# m	launch minus # of months (before launch date)
LAS	launch abort system
LC	launch complex
LCC	launch commit criteria
LCC	lifecycle cost
LCC-X	Launch Control Center-SpaceX
LEO	low Earth orbit
LIDAR	light imaging, detection and ranging
LiOH	lithium hydroxide
LOC	loss of crew
LOM	loss of mission
LOX	liquid oxygen
LRR	launch readiness review
LSP	Launch Services Program

MCC	mission control center
MCC-H/MCC-21	Mission Control Center-Houston
MCC-X	Mission Control Center-SpaceX
MCO	mission contract objectives
MCR	mission certification review
MD	mission director
MD1	the fourth generation Merlin engine
MDP	maximum design pressure
MEOP	maximum expected operating pressure
MIOMP	Mission Integration and Operations Management Plan
MIR	mission integration review
MMH	monomethylhydrazine
MMOD	micrometeoroid and orbital debris
MLAS	maximum launch abort system
MOD	Mission Operations Directorate
MOU	memorandum of understanding
MPPT	maximum power point tracker
MRAD	mission resource allocation document
MRL	manufacturing readiness level
MSL	mean sea level
MSPSP	missile system pre-launch package
MVac	Merlin Vacuum (engine)
MVacD	Merlin Vacuum (engine), upgraded
NAC	National Agency Check
NACI	National Agency Check with Inquiries
NADCAP	National Aerospace and Defense Contractors Accreditation Program
NAFCOM	NASA-Air Force Cost Model
NAICS	North American Industry Classification System
NASA	National Aeronautics and Space Administration
NAV	navigation officer
NDE	nondestructive evaluation
NDS	NASA Docking System
NDSB	NASA Docking System Block

NEC	National Electric Code
NEPA	National Environmental Policy Act
NESS	NF 1018 Electronic Submission System
NET	no earlier than
NF	NASA form
NFPA	National Fire Protection Association
NFS	NASA FAR supplement
NHA	next higher assembly
NISN	NASA Integrated Services Network
NIST	National Institute of Standards and Technology
NLT	no later than
NPD	NASA policy directive
NPR	NASA procedural requirement
NRO	National Reconnaissance Office
NSD	NASA standard detonators
NSP	not separately priced
NTE	not to exceed
NTO	nitrogen tetroxide
OCI	organizational conflict of interest
ODC	other direct costs
OIP	operation integration plan
OMB	Office of Management and Budget
OML	outer mold line
OOCO	on-orbit checkout objectives
OPR	office of primary responsibility
ORCA	Online Representations and Certifications Application
ORR	operations readiness review
OSHA	Occupational Safety and Health Administration
OTW	orbital tube welding
OWG	operations working group
P&ID	plumbing and instrumentation design
PCB	program control board
PCBM	passive common berthing mechanism

PCM	post-certification mission
PCM	pulse code modulation
PCS	portable computer system
PCT	post-contact thrust
PDB	power distribution box
PDR	preliminary design review
PFA	postflight assessment
PFIP	postflight imagery plan
PFMEA	process failure modes and effects analysis
PFR	postflight review
PHS	primary heat shield
PICA	phenolic impregnated carbon ablator
PIT	Partner Integration Team
PLM	product lifecycle management
PM	personality module
PMD	propellant management device
PMP	parts, materials and processes
PMU	power management unit
POC	point of contact
PPE	personnel protective equipment
PQR	post-qualification review
PS	pressure section
PSA	probabilistic safety analysis
PSPRM	pressure section power regulation module
PSR	pre-ship review
PV	pressure vessel
PWS	performance work statement
QU	qualification unit
OIP	operations interface procedure
QMS	Quality Management System
QPR	quarterly program review
QPMR	quarterly program management review
Qx	Xth or Xnd quarter

R&D	research and development
RAM	random access memory
RBA	risk-based analysis
RBD	rigid body dynamics
RBH	radial bulkhead
RCS	reaction control system
RE	responsible engineer
RF	radio frequency
RFP	request for proposal
RID	review item disposition
RIDM	risk-informed decision-making
RIO	remote input/output
RPOC	rendezvous, proximity operations and capture
RPU	redundant power unit
RSD	rotary spring damper
RSS	revolute/spherical/spherical
RSS	rotating service structure
RTD	resistance temperature detectors
S&MA	Safety & Mission Assurance
S1	stage 1
S2	stage 2
SA	solar arrays
SAA	Space Act Agreement
SAE	Society of Automotive Engineers
SAR	search and rescue
SB	small business
SCA	service contract act
SCAPE	self-contained atmospheric protective ensemble
SCS	soft capture system
SDB	small disadvantaged business
SDVOSB	service-disabled veteran-owned small business
SECO	second engine cutoff
SIA	stowage interface agreement

SIGI	Space Integrated Global Positioning/Inertial Navigation System
SIP	strain isolation panel
SJRWMD	St. Johns River Water Management District
SLC	Space Launch Complex
SMC	Space and Missile Systems Center
SMD&ST	systems manual development and subsystem training
SOC	security operations center
SOO	statement of objectives
SORR	ISS stage operational readiness review
SOW	statement of work
SPAM	SpaceX Proprietary Ablative Material
SR	service request
SRP	safety review panel
SRR	Summary Subcontract Report
SS	service section
SSPP	system safety program plan
SSRMS	Space Station Remote Manipulator System
STARS	Spacelift Telemetry and Reporting System
STD	standard
STRB	safety technical review board
SVN	Subversion
SW	software
SYS	systems officer
TBD	to be determined
TBP	to be provided
TBR	to be revised
TCDT	terminal countdown demonstration test
TCS	thermal control system
TDAD	Trailing Deployable Aerodynamic Decelerator
TDRSS	Tracking and Data Relay Satellite System
TDSP	tie down separation plane
TE	transporter-erector
TEA-TEB	triethylaluminum-triethylborane

TIM	technical interchange meeting
TOPO	Trajectory Operations Operator
TPS	thermal protection system
TRB	technical review board
TRL	technology readiness level
TRR	test readiness review
TVC	thrust vector control
UID	unique identification number
UPCU	unpressurized power converter unit
US	United States
USAF	United States Air Force
USC	United States Code
USDA	United States Department of Agriculture
UTTR	Utah Test and Training Range
V&V	verification and validation
VAFB	Vandenberg Air Force Base
VBR	vehicle baseline review
VCN	verification closure notice
VE	verification event
VER	verification evidence records
VITT	vehicle integration and test team
VITL/VHITL	vehicle hardware in the loop
VLA	vehicle loads analysis
VOSB	veteran-owned small business
VP	vice president
VRML	virtual reality modeling language
VV	visiting vehicle
VVIM	visiting vehicle integration manager
VVO	visiting vehicle officer
WOSB	woman-owned small business
WPM	wood packaging material