

SPACE ACT AGREEMENT AMENDMENT FOUR  
BETWEEN  
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
AND  
ORBITAL SCIENCES CORPORATION  
FOR  
COMMERCIAL ORBITAL TRANSPORTATION SERVICES DEMONSTRATION  
(COTS)

PURPOSE AND AGENCY COMMITMENT

The purpose of this Amendment is to modify the terms and conditions of Space Act Agreement No. NNJ08TA32S to identify certain equipment that will be loaned by NASA to enable accomplishment of the COTS system development and execution of the demonstration flight. The equipment listed in this Amendment was used by Orbital Sciences Corporation (Orbital) in support of its activities for the Orion project. The use of this equipment for the Orion project has ended and there is no further use for it under the Orion contract. The equipment is physically located at an offsite facility of an Orbital subcontractor and cannot be moved. It will be provided as Government Furnished Equipment to Orbital in support of its work under the Commercial Resupply Services contract. It is in the Government's interest to provide this equipment on loan to Orbital under this Space Act agreement for the reasons stated above. In addition, this amendment updates the Orbital technical POC.

Article 20 - Principal Points of Contact is modified as follows:

ORBITAL Technical Contact

Frank DeMauro  
COTS Program Director  
Orbital Sciences Corporation  
21839 Atlantic Boulevard  
Dulles, Virginia 20166

Phone: 703-948-8766

Fax: 703-404-7540

E-mail: demauro.frank@orbital.com

Appendix 4 is modified as follows:

**Appendix 4 – NASA Equipment Loaned to Orbital**

The following item is added:

6) Static Load Test Cage (P/N 17006C-1900) manufactured by Applied Aerospace Structures Corporation (AASC )	Return date: No later than 2 months following completion of testing.
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ARTICLE 28. SIGNATURE BLOCK

The terms and conditions of this Space Act Agreement, as modified by this Amendment are hereby incorporated herein.

NATIONAL AERONAUTICS AND  
SPACE ADMINISTRATION

BY: Douglas R Cooke  
Douglas R. Cooke  
Associate Administrator,  
Exploration Systems Mission Directorate

DATE: 5/26/2010

ORBITAL SCIENCES CORPORATION

BY: A Elias  
Dr. Antonio L. Elias  
Executive Vice President and General  
Manager, Advanced Programs Group

DATE: 19 MAY 2010