

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

PURPOSE AND AGENCY COMMITMENT

This amendment modifies the terms and conditions of Space Act Agreement NNNJ08TA32S for the following milestones listed in Appendix 2 - Milestones and Success Criteria, and Appendix 3 – Success Criteria for COTS Milestone Reviews.

Milestone 4: Demo Mission PDR

Milestone 5: COTS Integration/Operations Facility at Wallops Flight Facility Started

Milestone 6: Pressurized Cargo Module (PCM) Preliminary Design Review (PDR)

Milestone 7: Unpressurized Cargo Module (CDR)

APPENDIX 2 - Milestones and Success Criteria

Updated as follows:

Milestones 4,5,6, & 7 are deleted in their entirety and replaced with the following:

Milestone 4: COTS System PDR Orbital shall conduct a COTS System Preliminary Design Review (PDR) (including the demonstration mission configuration) in accordance with the PDR definition in Appendix 3. Success Criteria: Successful completion of the PDR.	Amount: \$20,000,000 Date: Feb-09
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<p>Milestone 5: COTS Integration/Operations Wallops Flight Facility Review</p> <p>Orbital shall conduct a review of construction and facility modification plans (including required regulatory and safety plans) required to support the integration and launch of the Orbital COTS demonstration mission from the Mid Atlantic Regional Spaceport (MARS) at the Wallops Flight Facility.</p> <p>Success Criteria: Successful completion of the COTS Integration/Operations Wallops Flight Facility Review including presentation of associated plans and schedules resulting in the approval to proceed with facility construction and modifications by the proper governing authorities.</p>	<p>Amount: \$10,000,000 Date: Sept-08</p>
<p>Milestone 6: Pressurized Cargo Module (PCM) PDR</p> <p>Orbital shall conduct a PCM Preliminary Design Review (PDR) in accordance with the PDR definition in Appendix 3.</p> <p>Success Criteria: Successful Completion of the PDR.</p>	<p>Amount: \$10,000,000 Date: Oct-08</p>
<p>Milestone 7: Unpressurized Cargo Module (UCM) CDR</p> <p>Orbital shall conduct a UCM Critical Design Review (CDR) in accordance with the CDR definition in Appendix 3.</p> <p>Success Criteria: Successful completion of the CDR.</p>	<p>Amount: \$10,000,000 Date: Mar-09</p>

APPENDIX 3 – Success Criteria for COTS Milestone Reviews

Updated as follows:

Strike current title Preliminary Design Review (PDR), Applicable to Appendix 2 Milestones 3 and 6 in its entirety and replace with:

Preliminary Design Review (PDR), Applicable to Appendix 2 Milestones 3, 4 and 6.

ARTICLE 27. 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

ORBITAL SCIENCES CORPORATION

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DATE: 10-6-08

DATE: 25 SEPTEMBER 2008