

15C1C Accommodating Commercial Space Transportation into the NAS

Description

Safely and efficiently integrate new types of operations, such as commercial space and unmanned aircraft, into the NAS and enable the benefits these operations will provide.

Special Designations: OSI, FAA Strategic Initiatives

Commentary (March 2015)

Accomplishments: Work has been initiated on the planned operational demonstration to be conducted at the Command Center before the end of FY15. Hardware components have been received. Software development and factory testing is underway with expected delivery in mid-April. Challenges: Ongoing work on launch and reentry missions, as well as work in developing letters of agreement and supporting licensing/permitting evaluations is necessary and competes for scarce resources. Next steps: Software delivery and checkout (April) followed by independent validation and verification (IV&V) testing (May).

Accomplishments: Weekly tag-ups with primary contractor for space data integrator (SDI) – Millennium Engineering and Integration (MEI). Software development and testing underway. Challenges: Schedule for demo is extremely aggressive. Tracking date of proposed SpaceX reentry operation to serve as demo for FAA executives. Next steps: Continue software development and testing. Hardware/software delivery (April). IV&V testing (May).

Accomplishments: Completed SpaceX Falcon 9 Eutelsat operational report. Conducting preparation activities for upcoming SpaceX Falcon 9 CRS6 and Turkmensat missions. Challenges: None. Next steps: Continue to support development of Joint Space Operations Group procedures document.

Commentary (February 2015)

Accomplishments: Work has been initiated on the planned operational demonstration to be conducted at the Command Center before the end of FY15. Hardware procurement is finalized with initial components received. Software development is underway with expected delivery in mid-April. Challenges: Ongoing work on launch and reentry missions, as well as work in developing letters of agreement and supporting licensing/permitting evaluations is necessary and competes for scarce resources. Next steps: Parallel efforts to set enhanced safety display definitions and demo definition are underway.

Status Table (Calculated Rollup Metric)

| Period | Target | Actual | Status |
|---------|--------|--------|---------|
| 10/2014 | 1 | 1 | [Green] |
| 11/2014 | 1 | 1 | Green |
| 12/2014 | 1 | 1 | Green |
| 01/2015 | 1 | 1 | Green |
| 02/2015 | 1 | 1 | Green |
| 03/2015 | 1 | 1 | Green |

✓ Indicates that the item is complete.