

## 14C2 Accommodating New User Entrants and Commercial Space Transportation into the NAS

### Description

Develop a strategy to ensure the integration of new user entrants and commercial space transportation into the NAS and have it approved by the Administrator by September 30, 2014.

Special Designations: OSI, FAA Strategic Initiatives

### Commentary (September 2014)

Significant progress has been accomplished within the UAS Integration Office to integrate Unmanned Aircraft Systems (UAS) into the National Airspace System (NAS). Key FY2014 Accomplishments: The FAA established six operational UAS Test Sites in FY2014 with four being completed by June 30, 2014 Congressional mandate. These test sites are enabling the FAA to learn more about UAS Operations and provide a location for manufactures to flight test their aircraft for development and certification purposes. The second edition of the UAS annual Civil Integration Roadmap was delivered to Office of Management and Budget (OMB) on August 29, 2014. The Notice of Proposed Rulemaking (NPRM) to develop a new streamlined regulatory approach to integrate Small UAS into the NAS has been created. This rule will enable the tremendous demand for small UAS commercial operations and help alleviate the current risks of unauthorized operators. Integration of Commercial Space activities have been accomplished within the Commercial Space Transportation office. Key FY2014 Accomplishments: Established joint AST/ATO program office at Command Center to support Commercial Space Operations. Joint AST/ATO team supported 9/7 SpaceX Falcon 9 Asiasat-6 and 9/20 SpaceX Falcon 9 CRS4 launches in September. Held Industry Days event at Command Center on September 23rd and 24th. Finalized FY15 New Entrants Business Plan targets between AST, AJR, and AJV. Finalized contracting for space data integrator prototype capability and initiated work in support of FY15 demonstration.

### Commentary (August 2014)

Integration of UAS activities for the month of August includes: On August 7, 2014, FAA granted the New York Test Site (Griffiss International Airport) a two-year Certificate of Waiver or Authorization (COA) to use a Precision Hawk Lancaster Platform UAS. The Lancaster Platform weighs approximately three pounds and has a wingspan of four feet. The research at the Griffiss International Airport Test Site will evaluate methods for scouting agricultural fields using different types of sensors, including visual, thermal and multispectral equipment, which will benefit farmers regionally and nationally. The research will enhance current methods of monitoring crops and provide additional information for continuing field research efforts. On August 13, 2014, FAA granted Virginia Tech Test Sites seven (7) Certificates of Waiver or Authorization (COAs) for two-years. Other UAS models in addition to the Smart Road Flyer include an eSPAARO, Aeryon Sky Ranger, MANTRA2, Sig Rascal, and two AVID EDF-8 micro UASs. The second edition of the UAS Civil Integration Roadmap was reviewed and approved by ANG-1, AGC-1, AOC-1, AVS-1 and AGI-1; related comments were adjudicated. The Roadmap has been reviewed and approved by AOA with a final technical review completed by

AOC. The Roadmap was routed to OST and OMB on August 29th for concurrent review. OMB will enter the draft Roadmap in to the Legislative Referral Memorandum (LRM) government-wide coordination process meeting the August 30, 2014 goal. Integration of Commercial Space activities for the month of August includes the continued implementation of joint AST/ATO team at Command Center. Joint AST/ATO team supported 8/5 SpaceX Falcon 9 Asiasat-8 and 8/13 Atlas V Worldview-3 launches. Held Range Days event at Command Center on 8/6 and 8/7. Finalized FY15 Business Plan New Entrants targets. Challenges: Aligning funding and resources to support FY15 demo and other activities. Next steps: Plan for Industry Days event at Command Center on 9/23 and 9/24. Continue planning for postponed SpaceX AsiaSat-6 launch in early September. Finalize contracting for space data integrator prototype capability in support of FY15 demonstration.

**Status Table (Qualitative Metric)**

<b>Period</b>	<b>Actual</b>
<b>02/2014</b>	<b>Green</b>
<b>03/2014</b>	<b>Green</b>
<b>04/2014</b>	<b>Green</b>
<b>05/2014</b>	<b>Green</b>
<b>06/2014</b>	<b>Green</b>
<b>07/2014</b>	<b>Green</b>
<b>08/2014</b>	<b>Green</b>
<b>09/2014</b>	<b>Green</b>

✓ Indicates that the item is complete.