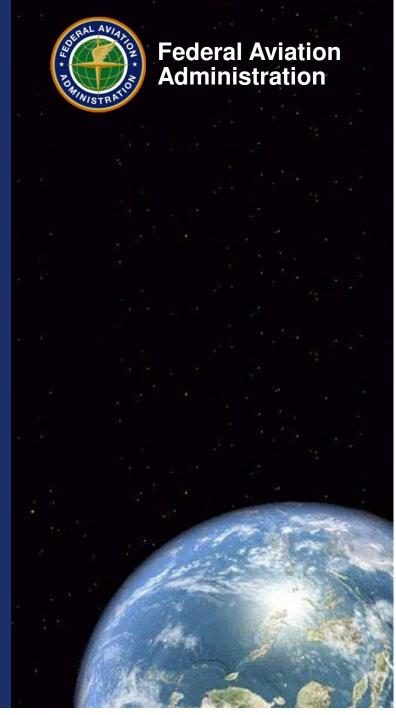
Report to COMSTAC of the Operations Working Group

Presented to: COMSTAC

By: Janet Karika, OWG Chair

Wayne Hale, Deputy Chair

Date: April 28, 2016



OWG Agenda, 27 Apr 16

Operations Working Group 1500-1700 hrs, Janet C. Karika, Chair

1500-1515	Space Renaissance Act STM, Spaceports Office, Space Support Vehicles	Christopher Ingraham Senior Legislative Assistant Congressman Bridenstine
1515-1530	CSLCS status, Section 110 and Orbital Traffic Management	Steph Earle FAA AST
1530-1545	CSLCS status, Section 113	Pam Underwood FAA AST
1545-1600	Launch and Test Range System (LTRS) Information Briefing	Lt Col Jertberg HQ AFSPC/A2/3/6 SR
1600-1615	Spaceport Catalog status Spaceport Catalog methodology	Christine Anderson/Bill Khourie
1615-1630	Case for FAA additional funding	Janet Karika, Chair
1630-1700	Drafting OFRs	Janet Karika, Chair



Space Support Vehicles

Observations

- COMSTAC observes that the American Space Renaissance Act (ASRA) supports the use of vehicles for commercial compensation for training of spaceflight participants
 - Permits the use of hybrid-launch vehicles, which are simultaneously aircraft and launch vehicles, and do not neatly fit into either category.
 - Permits the use of experimental aircraft, such as former military fighter jets, that are not used during launch.
- COMSTAC observes that the U.S. Commercial Space Launch Competitiveness Act (CSLCA) includes two reports that are in work to address this issue, the studies are on-going and industry will provide input.
 - Report 105 requests an FAA study
 - Report116 requests a GAO study

Recommendation

 COMSTAC recommends that the FAA AST should facilitate a briefing to the OWG once the studies are completed.



Section 110: Space Surveillance and Situational Awareness Data

Observation

 COMSTAC observes that the CSLCA requests FAA AST to study the feasibility of processing and releasing safety-related space situational awareness data and information to any entity consistent with national security interests and public safety obligations of the United States, in concurrence with DoD and others.

Recommendation

 COMSTAC recommends that the FAA AST should facilitate a briefing to the OWG once the study is completed.



Space Traffic Management (STM)

Observation

 COMSTAC observes the ASRA proposes to authorize the DoT to gather data to provide SSA services and information to customers including the Federal government, foreign countries, and commercial entities.

Finding

 COMSTAC finds that there are a range of options available from a USG operated architecture to a system that incorporates existing commercial sensors and data processing.

Recommendation

- COMSTAC recommends that FAA AST advocate for commercial interests to be incorporated into potential plans FAA AST is building into STM throughout the planning process.
- COMSTAC recommends that the FAA AST should brief the OWG on approved provisions of the ASRA that implement elements of STM.
- COMSTAC recommends that the FAA AST begin the process of scoping the work required up to and including cost estimates for an STM demonstration.



Section 113: Streamline Commercial Space Launch Activities

Observation

 The CSLCA requests that the FAA assess the current process for the license/permit application and approval for commercial launch and reentry; describe current efforts to streamline, reduce duplication, etc.; and recommend legislation that may further streamline/consolidate etc., in consultation with the DoD, NASA and others.

Recommendation

 COMSTAC recommends that the FAA AST should facilitate a briefing to the OWG once the study is completed.



Air Force Commercial Range Requirements

Observations

- COMSTAC observes the commercial launch providers' requirements at the Federal Ranges are increasing and becoming more complex.
- COMSTAC observes that AFSPC is examining requirements at their federal launch ranges to meet all user requirements efficiently while maintaining range safety.

Finding

 COMSTAC finds that commercial launch providers need strong advocates within the Federal Government to communicate their unique commercial requirements at the Federal Launch Ranges.

Recommendation

 COMSTAC recommends that the FAA AST continue to work with NASA, USAF, and other relevant departments and agencies to communicate unique commercial launch provider requirements to the Federal Launch Ranges and FAA licensed spaceports as appropriate.



Spaceport Catalog

Observation

- COMSTAC observes that there is sufficient support within industry, government, and Congress for the creation of a Spaceport Catalog.
 - The ASRA advocates for the creation of an Office of Spaceports within the FAA AST.
 - Six FAA licensed Spaceports have provided data to populate a Spaceport Catalog.
 - The FAA AST supports the development of a Spaceport Catalog.

Finding

 COMSTAC finds the proposed catalog is useful for commercial companies (and possibly governmental agencies) in need of spaceport services.

Recommendations

- COMSTAC recommends that the FAA AST should include the catalog on its website.
- COMSTAC recommends that the COMSTAC and the FAA AST should work collaboratively to develop the process for updates.



The Case for FAA AST Funding

Observations

- COMSTAC observes that the FAA AST needs increased resources to fulfill its mission in an efficient and timely manner.
- COMSTAC observes that the FAA AST's budget was flat, approximately \$17M in both FY15 and FY16.

Recommendation

 COMSTAC recommends that FAA AST provide information on the impacts of funding below the President's Budget Request level, \$19.8M, to the COMSTAC.

