

Report to COMSTAC of the Operations Working Group



**Federal Aviation
Administration**

Presented to: COMSTAC
By: Janet Karika, OWG Chair
Wayne Hale, Deputy Chair
Date: 26 October 2016



OWG Agenda, 26 Oct 16

Operations Working Group 1630-1730 hrs, Janet C. Karika, Chair

<u>Time</u>	<u>Topic</u>	<u>Briefer</u>
1645-1700	Space Traffic Management (STM) Industry Day readout	Stephen Earle Space Traffic & Air Force Interfaces FAA AST
1700-1715	STM Future State	Moriba Jah Space Object Behavioral Sciences College of Engineering, U of A
1715-1730	Space Support Vehicles	Glenn Rizner Special Projects Office FAA AST
1730-1745	OFR Review	Janet Karika Interagency Launch Programs Jacobs NASA Launch Services



Space Support Vehicles

Observations

- The COMSTAC observes that both the FAA AST and the Government Accountability Office (GAO) are required to submit reports to Congress on commercial Space Support Vehicles (SSV) in the Commercial Space Launch and Competitiveness Act (CSLCA) (P.L. 114-90).
- The COMSTAC observes that both the FAA AST and GAO have received input from industry regarding the use of commercial SSVs for space flight participant and crew training including safety-related data gathered from routine flight operations at spaceports and in the National Airspace (NAS).

Finding

- The COMSTAC finds that utilizing commercial SSVs for space flight participant and crew (government and non-government) training will reduce safety-related risk and provide critical safety-related data from routine flight operations at spaceports and in the NAS.



Space Situational Awareness (SSA)

Observations

- The COMSTAC observes that Congress passed the CSLCA, (P.L. 114-90), on November 16, 2015; and Section 110, SPACE SURVEILLANCE AND SITUATIONAL AWARENESS DATA, of the CSLCA gave direction to the Secretary of Transportation, in concurrence with the Secretary of Defense, to submit a feasibility study on space situational awareness (SSA) data sharing.
- The COMSTAC observes that on September 7, 2016, the Secretary of Transportation signed and submitted the report titled, *Report on Processing And Releasing Safety-Related Space Situational Awareness Data*, to the Senate Committee on Commerce, Science, and Transportation and the House of Representatives Committee on Science, Space, and Technology.

Findings

- The COMSTAC finds that the report concluded that a civil agency, specifically the DOT acting through the FAA AST, with additional legislative authority in Title 51 of the United States Code, could provide SSA data and information to commercial, civil, and foreign entities.
- The COMSTAC finds that the rationale and current USG practice of providing orbital safety services as a public good with no fees is beneficial, and that any civil space agency assuming that role of data provider must be able to provide at least the same level of data and other products without fee.

Recommendation

- The COMSTAC recommends that AST develop a Civil SSA Data-Sharing Pilot Program, in consultation with the private sector.

