

**Department of Defense Human Factors Engineering**  
**Technical Advisory Group (TAG) Meeting #64**

NASA Ames Research Center  
Silicon Valley, CA

**Theme:**

“Government and Industry Perspectives on Human-Systems Integration: Fostering Commercialization of Space”

The United States is actively fostering commercialization of space transportation that will eventually result in the integration of air and space transportation and will provide the foundation for routine and affordable access to space. This commercialization has the potential to impact National Air Space (NAS) operations, Homeland Security, and other Government agency aviation and space activities.

Many of the existing Human Systems Integration (HSI) domain tools, metrics, and methods are applicable to both the Government and commercial aviation and space activities. Additionally, current HSI research and operational activities may be applicable and transferable to this industry. These activities include, but are not limited to, human-centered automation, distributed decision making, command and control research and applications, information management and display design, personnel selection, training, human performance assessment, survivability, human error analysis, human-rating certification, and human factors in accident investigation.

This Technical Advisory Group (TAG) meeting will focus on HSI methods, tools, research, and activities that have the potential to facilitate the growth, safety, and effectiveness of the emerging commercial space transportation industry and/or increase HSI coordination and standardization between U.S. Government agencies and industry performing roles related to aviation, space, homeland security, regulation, and accident investigation.

Special sessions and a caucus will be held with panel participation from the National Aeronautics and Space Administration, the Federal Aviation Administration, the Air Force Space Command, the Department of Homeland Security, the Navy, and other interested parties on projected HSI hot topics and research interests related to standardization and regulation. These sessions should be of particular interest to those involved in the design and operation of space and ground systems including, but not limited to, airborne, sea, and ground launch pads; NAS communication systems; homeland security systems related to commercial space travelers; launch systems; cargo and passenger system design; pilot, maintainer, and space/air crew training; and emergency operations and response.