

**Requesting Team/Organization: Security Working Group**  
**Co-Lead Names: Paul Polski and Paul Druckman**

**Brief Description of the Team's Task**

The mission of the Aviation Security Working Group (AVSEC WG) is to develop a roadmap to 2025 that achieves a layered, adaptive solution. Layered, adaptive security is defined as a risk-informed security system that depends on multiple technologies, policies, or procedures adaptively scaled and arranged to defeat a given threat.

**Expected Products and Timeframes**

- Provide analyses and recommendations on the technologies, procedures, policies, and research and development required to achieve the NextGen vision.
- Provide a detail ConOps and roadmap to 2025 for aviation security that is integrated into all aspects of the NextGen goals, ConOps, operational improvements and enterprise architecture. The ConOps and roadmap will take into consideration advances in the roles and responsibilities evolution with the objective of achieving a multi-layered solution that detects and defeats all levels of threat. This includes:
  - Development and documentation on the aviation security 2025 endstate.
  - Develop reliable means to identify and mitigate security risks and cost effectively integrate them into current systems and future planning.
  - Identify research, studies, policies, procedures, training, and integration required to achieve the vision.
  - Participate and support NextGen business case analysis.
  - Participate and support NextGen systems modeling and performance analysis.
  - Publish results of specific studies.
- Facilitate the development of a global aviation security system that is layered, adequate, effective and responsive to the increases in air transportation, passenger loading, and cargo handling in the year 2025 and beyond.
- Collaborate with academia, industry, other NextGen Working Groups and government agencies.
- Advocate worldwide integrity of aviation security by actively promoting international cooperation.
- Strive for high public confidence and cooperation in the aviation security system.

**Required Expertise and Skill Mix**

The Aviation Security Working Group requires representatives with the following expertise:

- Airspace/Air Domain Security expertise including the following:

- NAS operational security; DHS/TSOC/AMOC/FEMA, and NORTHCOM/NORAD systems, operations, and policies
  - Commercial and general aviation users
- Aircraft protection and survival technology and operational considerations
- Airport Security Operations Management
  - Cat X
  - Cat 2 or 3
- Airport Communications; 911 Communication; Command & Control System Operations
- Airport Emergency Management; Airport First Responder
- Baggage Conveyor Designer
- EDS Manufacturer
- ETD Manufacturer
- Command & Control System Manufacturer; Situational Awareness Expert
- Cargo Screening Expert
- Perimeter Security Design & Construction
- CCTV Manufacturer, Distributor or Designer
- ASE-X or Ground Based Radar Expert
- HLS IED Expert
- Biometrics; Access Control Expert, Credential Manufacturer
- ICAO Standards Expert
- Risk Analysis & Mitigation Expert

**Expected Time Commitment of Participant – duration and level of effort** (AVSEC WG Meeting Schedule and/or other indication of required level of effort)

Duration: Participants are asked to commit to serve a minimum term of one year.

Level of Effort: Members participate in a 2-hour monthly telephone conference and meetings, scheduled on an as-needed basis. Members also support broader AVSEC WG activities, if and as needed. This includes assignments on Standing Committees and Study Teams. In addition, members will need to spend time outside of meetings reading e-mails and preparing materials for telecoms/meetings or JPDO deliverables. The expectation is that members will spend approximately 15% of their time supporting AVSEC WG activities.

### **Additional Information**

Required attributes of AWG members:

- Able to share their expertise on stakeholder perspectives (includes direct access to key leaders in represented constituency)
- Able to transcend parochial interests of represented constituency and take a national/international perspective
- Willing to challenge/test their own beliefs and assumptions
- Commitment to maintain privacy of work products until release by the AWG/JPDO

- Able to attend or be present (via telecom) for most AVSEC WG meetings (during the first year)

More information on the Next Generation Air Transportation System Joint Planning & Development Office can be found at <http://www.jpdo.gov>.