



Request for Private Sector Participation

Requesting Team/Organization: Environment EWG/JPDO

Government Co-Chair: Carl Burleson

Industry Co-Chair: Betty Hawkins, ATA

Brief Description of the Team's Task

The Environment Work Group (EWG) is responsible for the NGATS strategy to develop environmental protection that allows sustained aviation growth. The EWG will research, develop, implement, and maintain the NGATS environmental protection strategy. The primary environmental impact areas of concern for aviation are noise, air quality and water quality. Co-Chaired Government and Industry representative, the EWG includes an Executive Committee (ExComm) Steering Group, Executive Secretariat, and Standing Committees (SCs). The ExComm includes representatives from FAA; other Federal agencies; industry (manufacturers, airlines, and airports); local, regional and state agencies; local community/airport organizations, environmental NGOs; and others. ExComm members should have sufficient authority in their respective agencies to address budget and policy matters relevant to the Standing Committees. Based on technical expertise, the five SCs (Science/Metrics, Analytical Tools, Operations, Technology, and Policy) will lead the work to achieve the goals of the JPDO environmental protection strategy including refining the understanding of problems and options for future solutions, assessing existing programs and plans, leveraging what is available, and identifying gaps and key questions for further research and development. Key environmental goals and objectives initially identified by the EWG are attached.

Expected Products and Timeframes

The first version of the EWG Work Plan was finalized in October 2005 and is updated every year to consider significant new developments (e.g., private sector participation on panels and input) and outline current and future year activities.

Required Expertise and Skill Mix

The Operations Standing Committee requires members with a background in Flight Management Systems to aid in identifying new flight operations to improve efficiency of aircraft operations and reduce environmental impacts. SC members should have sufficient technical expertise and authority to lead the work to achieve the goals of the JPDO environmental protection strategy including refining the understanding of problems and options for future solutions, assessing existing programs and plans, leveraging what is available, and identifying gaps and key questions for further research and development. The expectation is that SC members will spend approximately 10% of their time supporting EWG activities.

Expected Time Commitment of Participant – duration and level of effort *(EWG 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 1-hour monthly SC telephone conference and Panel meetings, scheduled on an as-needed basis. Members also support broader EWG activities, if and as needed. In addition, members will need to spend time outside of meetings reading EWG e-mails and preparing materials for telecons/meetings or JPDO deliverables.

Additional Information

Required attributes of EWG 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 and their own beliefs and assumptions
- Commitment to maintain privacy of EWG work products until release by the EWG/JPDO
- Able to attend or be present (via telecon) for most EWG 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.aero>.

Attachment

Key Environmental Goals and Objectives

In developing the initial plans, policies, and resource estimates for the environmental portion of the Next Generation Air Transportation System (NGATS) plan, the following are the initial goals identified by the Environment Work Group (EWG):

- Reduce the impacts of significant aviation noise to community well being in absolute terms, notwithstanding the growth in aviation.
- Reduce the significant local air quality impacts of aviation on local communities in absolute terms, notwithstanding the growth in aviation
- Develop the appropriate metrics and models to measure aviation's environmental impacts for the system of 2025.
- Gain sufficient knowledge of the particulates and hazardous air pollutants effects of aviation to determine significant impact
- Gain sufficient knowledge of climate change effects of aviation to enable appropriate means to mitigate these effects.
- Reduce significant levels of water runoff from airports to minimize impacts on local community water resources
- Foster communication, ideas, and joint action between EWG and communities around airports.
- Facilitate global leadership in developing operational, technology, and policy options to address mobility and environmental needs.
- Advance capacity growth at the key airports by fostering capabilities and process to streamline environmental reviews.
- Ensure standards exists in a timely fashion to enable new operations, such as domestic supersonic flights, space launches, low altitude reconnaissance, alternate fuel air vehicles, etc.