

Requesting Team/Organization Global Harmonization Working Group
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Brief Description of the Team's Task

The Global Harmonization WG's mission is to ensure global interoperability for NextGen by developing and supporting implementation of global air and space transportation policies, standards, and procedures. U.S. leadership toward global standards will improve safety, security, mobility, environmental quality, and economic viability. Working in concert with other WGs, the Global team will:

- Identify air transportation system technologies, air traffic management operational concepts, policies, and procedures that require or benefit from global standardization or interoperability.
- Assess current plans for transformation in other countries and international organizations.
- Identify similarities and potential conflicts between air transportation developments in the United States and in other countries.

Expected Products and Timeframes

In FY 2008 the Global WG will communicate clear, consistent visions for NextGen key capabilities from the other WGs and will be able to articulate all critical institutional, policy, and technology issues. The GH WG will examine the top level Enterprise Architecture, roadmaps, and benefits, assess current programs for global applicability, and assess institutional, policy, and technology issues, as well as alternatives. The GH WG will subsequently identify pertinent OPRs (Office of Primary Responsibility) within JPDO agencies and assess the status of ongoing global harmonization efforts within these OPRs. Where such activities are already underway the GH WG will facilitate such arrangements; where no activities exist the GH WG will assist the OPR in establishing them (e.g. establish Study Teams.)

Required Expertise and Skill Mix (by individual if more than one)

The GH WG currently consists of a wide air transportation skill mix Government and Industry. The WG is missing expertise and skills from airports, service providers (e.g. ARINC, SITA...), user/operators (e.g. Delta, United, ...) and academia. The WG would also benefit from a broader representation in the aviation manufacturing sector. Therefore, the GH WG seeks up to six individuals who can bring these skills to the WG. An appreciation for geo-political manifestations, in-depth operational experience, dedicated interest in working at the international level, decisiveness tempered with patience, flexibility, and tolerance will serve participants well. Individuals with multiple perspectives are particularly valuable.

Expected Time Commitment of Participant– duration and level of effort

Level of effort: The GH WG currently plans to hold all day sessions on the second Tuesday in the first month of each quarter. GH WG members are expected to join one of the Standing Committees. The Standing Committee co-chairs hold a half day meeting once a month. Participants will need to spend additional time reading WG material, preparing for meetings, advising and consulting with their constituencies, and participating in a variety of activities that promote the mission of the WG and the general NextGen transformation. This is expected to require as much as a 20% time commitment initially. Large amounts of international work are not expected to be undertaken by the participants, and any that is undertaken will be funded through the individuals' sponsors.

Duration: Participants are asked to commit to serve a minimum term of two years.

Additional Information

Required attributes of WG members:

1. Skill in effectively representing JPDO technical/operational policies and initiatives to a foreign organization and within global civil aviation forums.
2. Able to represent constituency's perspectives and commitment to the WG (includes direct access to key leaders in represented constituency).
3. Able to represent WG thinking to represented constituency
4. Able to transcend parochial interests of represented constituency and take a national/international perspective
5. Willing to challenge/test their own beliefs and assumptions
6. Able to attend or be present (via telecon) for most WG meetings

Preferred attributes of WG members:

1. First priority assignment of individual
2. Believes in the need for transformation
3. Able to attend all WG meetings and spend at least 20% of their time on WG work.

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

Attachment 1: Global WG Mission and Transformation Direction WG Mission

- Communicate U.S. positions on policies, standards, technologies, or procedures during international negotiations and collaborations:
 - Develop government/industry partnerships and collaborative relationships in the U.S. to coordinate long-term plans for global standards and policies
 - Organize unified U.S. policy positions related to all aspects of transformation, as developed by joint WGs
 - Identify and resolve any differences between U.S. national and international objectives such as security and defense
- Establish joint initiatives with international partners in the development and application of new policies, standards, technologies, or procedures;
 - Expand existing or establish new collaborative relationships with multilateral, regional, national, and non-governmental, international partners to coordinate long-term transformation plans globally
 - Share research, synchronize timetables for development, and adopt new technologies and concepts
 - Partner with major growth countries and regions such as India, China, and Latin America, in promoting common technology and procedures
 - Promote interoperability internationally and harmonize standardization of required systems
- Advocate the global adoption and proliferation of U.S.-preferred policies, standards, technologies, or procedures:
 - Identify and resolve potential conflicts between developments in the United States and in other countries pursuing harmonization or interoperability, as appropriate
 - Promote strategic aviation investment by other countries for economic growth and aviation safety and accessibility
 - Engage other countries in discussions about, and facilitate their adoption

- of, best practices worldwide to enhance safety, and expand capacity
- Lead outreach campaign on global transformation
- Promote increased aviation market liberalization

Transformation Direction

- Create unified U.S. air transportation positions in all major technology and policy areas for use in international discussions including timetables that can be used to align activities
- Create economies of scale by aligning ATM and security developments across national boundaries
- Streamline and accelerate international standardization processes using nontraditional means such as:
 - Establishing collaborative relationship with other states and regions in promoting technology and procedures
 - Engaging professional associations and workshops in the international standardization process
 - Foster development and use of performance-based and professional organization developed standards
 - Ensure global collaboration in development of standards and policies and operations to achieve safety, efficiency, security, environment, and health benefits in air and space transportation system
 - Enable information centric architectures for multiple objectives such as security, safety, and operational efficiency