

Breakout #5

Organizing CNS R&D

- Known Relevant Orgs
 - NASA/FAA Integrated Program Team
 - Eurocontrol, Other Respective Countries
 - Country (some are leaders, some followers)
 - Gov't
 - FAA, NASA, DoD (e.g., US)
 - Industry
 - Avionics, Airlines, etc
 - Academic
 - Universities, Coalitions
 - Country's interface into the international scene

Breakout #5

Organizing CNS R&D

- Why Organize
 - National Goals
 - Common Objectives
 - Segregate near-term implementations from distracting R&D efforts
 - Leverage \$\$
 - Implementation Timelines
 - Swell the advocacy

Breakout #5

Organizing CNS R&D

- Process
 - Joint Leadership (FAA/NASA)
 - Strategic Goals
 - Solicit input from key orgs (advisory committees, REDAC)
 - Evaluation cycle (2 tiers: domestic + int'l)
 - leverage activities, id gaps, selective duplication for confidence, agreements, decisions, iterate/update
 - Products meet Goals (matrix, map, investment plan)
 - International Harmonization

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- Forums/Venues
 - Existing, new? (conference, technical workshop, open but invited, how often)
 - Smaller mtg of spectrum utilization, reserved, re-allocation, re-use, guard-bands, survey of bandwidth requirements)
 - Context (CNS, Communication, ?)
 - Topics (process, analyses - data, not just paper, products, harmonized recommendations)
 - Formal blessing & sponsor (NASA/FAA advisory/exec committee?)

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- Advocacy
 - What orgs are most effective to advocate *to*?
 - State/Fed Gov't??
 - What is this advocacy role?
 - Airlines (United at WRC as well as American, NW, Delta)
 - Influence Aircraft & avionics purchases
 - Users views as more objective
 - Industry/Manufactures
 - Caution as to motive

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- Products of this Breakout Session
 - White paper from this CNS workshop Exec Committee submitted to Venerri/Zaidman advisory committee
 - Recommendations on organization & advocacy
 - Provide more balance to CNS, rather than the currently more favored ATM aspects
 - Standing committee, legal body
 - Consider implications of comm tech discussions w/foreign nationals