



The Honorable  
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Vice Chairman

# NTSB re Incursion

- ATC Procedures
  - Runway crossing clearances
  - Phraseology and instructions to pilots whose native language is not necessarily English
  - Phraseology related to an intersection departure
  - Multiple, advance clearances to land
  - Instructions, sequencing, and coordination between controllers for runways that cross
  - Displaced runway thresholds
  - Progressive taxi/ground movement instructions during low visibility



# NTSB re Incursion, con't

- Technology
  - Ground movement safety system at all airports with commercial service
  - Direct cockpit warning of a runway incursion/collision risk
  - Moving map technology in the cockpit



# NTSB re Incursion, con't

- Airport Design, lighting, marking
  - Marking of taxiways that parallel runways
  - Evaluate airport lighting to eliminate restrictions to visibility from the control tower to runways and movement areas
  - Enhance conspicuity of aircraft on airport surfaces at night or in reduced visibility
  - Airport marking and lighting during low visibility
  - Identify complex intersections where a potential for pilot confusion exists
  - Guidance for the revision, publication, and review of airport diagrams

