



The A/C Weather Observation Contribution to NextGen

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NextGen Goals

- Reduce congestion
- Accommodate Growth
- Improve Safety
- Reduce environment impact of aviation
- Reduce Weather Delays



NextGen Components

- Communication/Data Link
- Navigation - 4D Trajectory
- Surveillance – ADS-B (Comm./Data ??)
- Integrated Weather to support 4D Trajectory

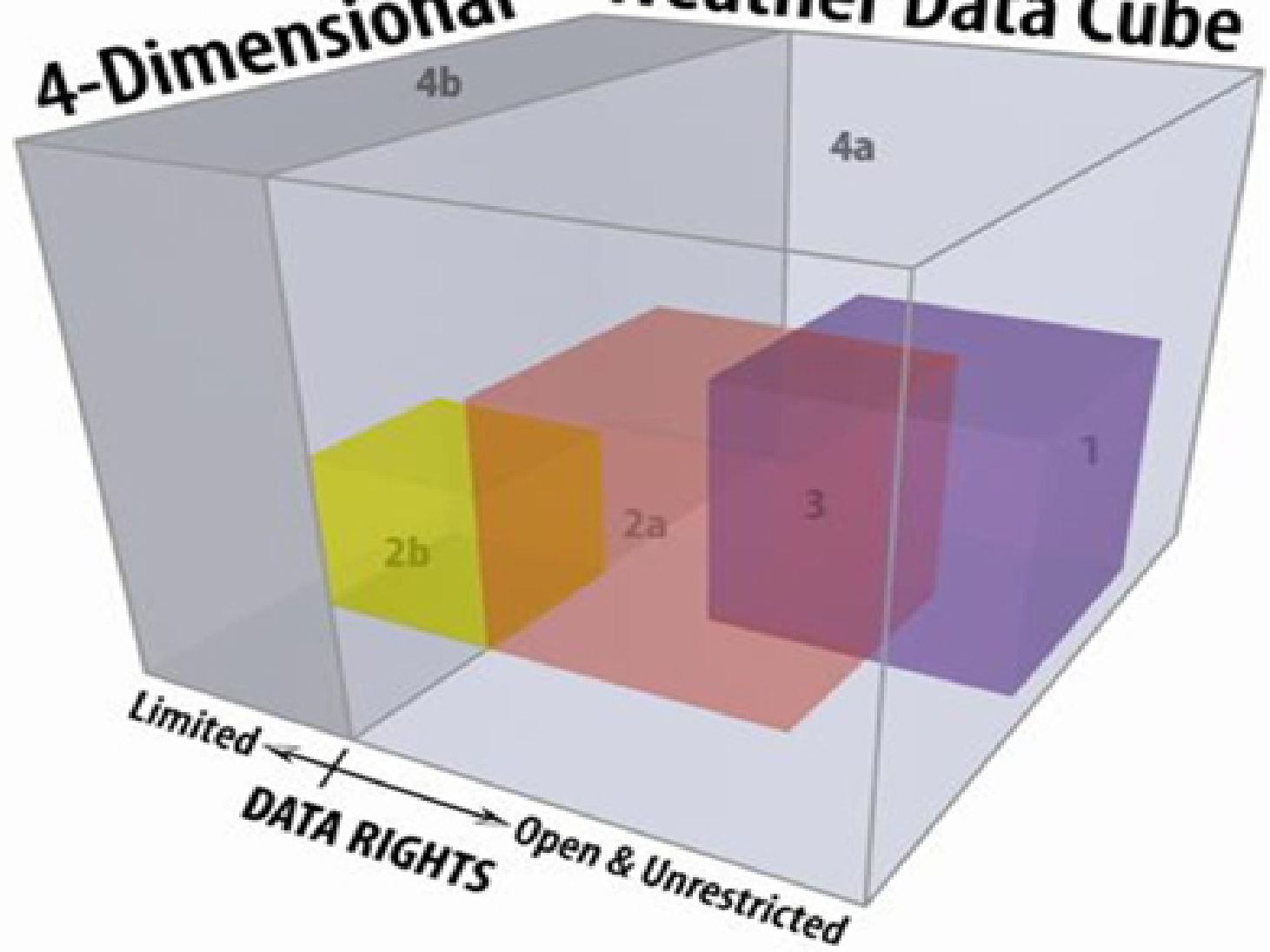


Weather Policy Integration

- Three distinct entities – FAA(DOT), DOC, DOD
- Integration components (80/20 rule)
 - Technical
 - Policy
 - Funding
- 2011 DOT Inspector General Study
 - NOAA work on 4D Cube=Commerce requirements
 - NOAA expects FAA funding for Aviation
- NextGen Network Enabled Weather (NNEW)



4-Dimensional Weather Data Cube





Aircraft Weather Data Issues

- Who sets data requirements? Varies
- Who provides the data? Me thinks A/C
- Who gets the data to the ground? Varies
- Who routes the data on the ground? Varies
- Who processes the data? Varies
- Who owns the data? Provider of the data???
- Who pays for the data? \$64K Question
- ***Example***

- Defining requirements
- Define the technologies
- Defining schedules
- Managing execution
- Naming specific parties for accountability
- Responding to continual IG reports
- Managing the whole package including costs

- Stop the blame game
- Stop requirements creep, especially individuals (=Accountability)
- Develop & Validate Goals & Benefits
- Create teams & Assign resources
- Conduct reviews to ensure accountability
- Define costs and create consensus early