USA NAS RFI Investigation Resources → FAA Personnel and Organizations:

ATC Spectrum Engineering Services

→ Headquarters – Washington, DC
→ Technical Center – Atlantic City, NJ
→ Command Center – Herndon, VA

Frequency Management Officers (FMO) Three Technical Operations Service Areas Atlanta, GA; Dallas, TX; Seattle, WA Aeronautical Center – Oklahoma City, OK

Technical Support Field Specialists (Technicians)

→Aviation System Standards (Flight Inspection) →One International FIO →Six National FIOs





USA NAS RFI Resources – RFIM

FAA Assets and Software Tools

Radio Frequency Interference Monitoring (RFIM) Vans





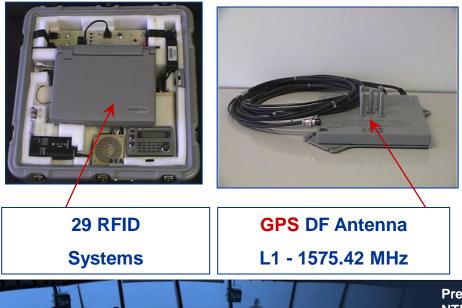
Frequency Spectrum Management

Course April 8, 2009

USA NAS RFI Resources – RFID

FAA Assets and Software Tools

Radio Frequency Interference Detector (RFID) Portable







USA NAS RFI Resources – K95-103

Course April 8, 2009

+FAA Assets and **Software Tools**

→ Radio Frequency **Interference Kit (K95-103)** Handheld

District Field Offices 33 Offices in the FAA NAS

K95-103 Detection Coverage 20 – 3000 MHz **Typically 2 miles**





Service Area

Most Cost effective First choice instrument for technicians

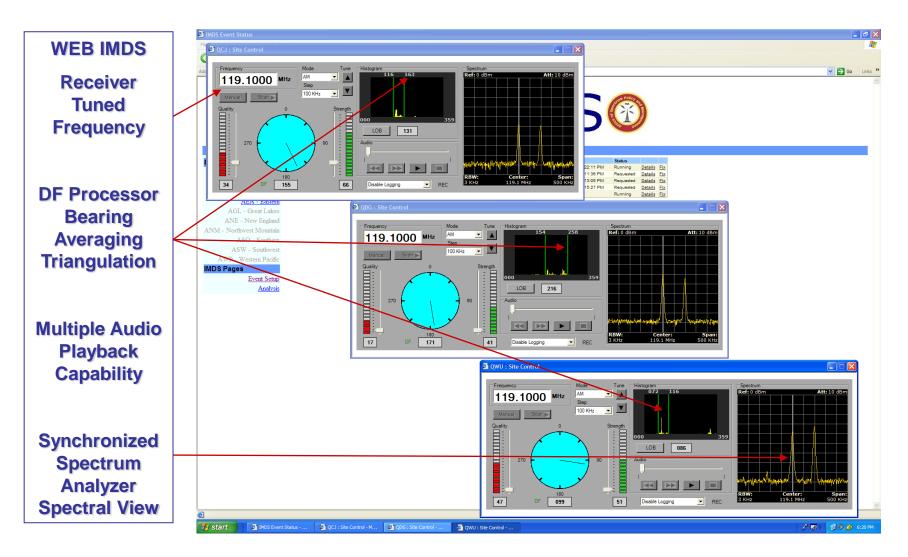
USA NAS RFI Resources – NASE-RFI



NTIA Telecommunications Training Institute (USTTI) Radio Frequency Spectrum Management Course April 8, 2009



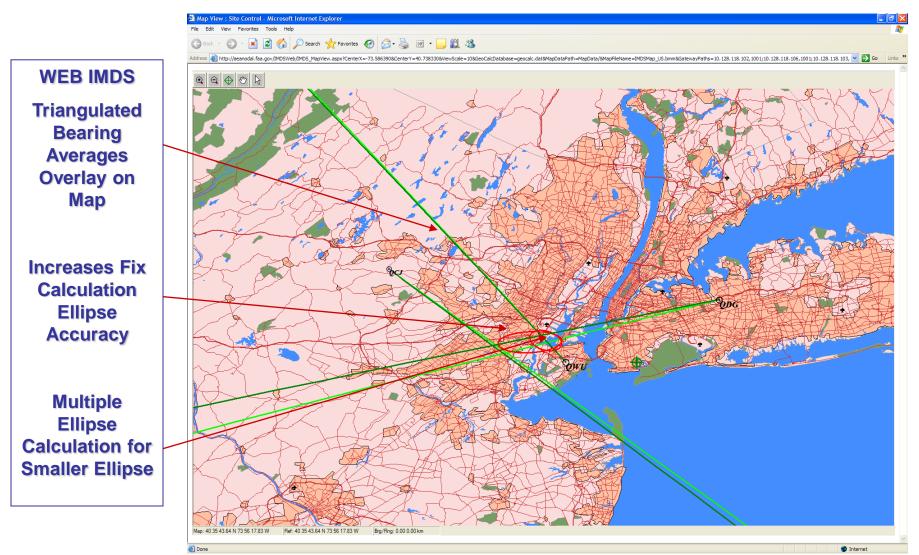
USA NAS RFI Resources – IMDS







USA NAS RFI Resources – IMDS





Software Engineering Analysis Tools → FAA ATC Spectrum Engineering Services:

- Spectrum Engineering Tracking System (SETS)
- Automated Frequency Manager (AFM)
- Flight Explorer Aircraft Situation Display (FE ASD)
- Integrated Common Analytical Viewer (iCAV)
- GPS Interference Navigation Tool (GiANT)
- Space Loss Calculator (SPLC)
- →Google Earth 3-Dimensional Analysis

Government Master File (GMF)



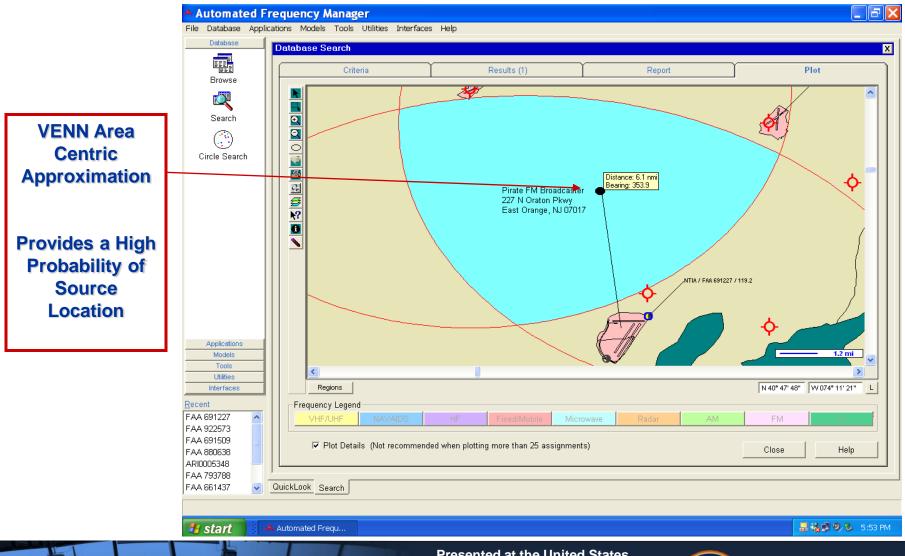


Spectrum Engineering Tracking System

SETS - Windows Internet Explorer	
🕒 🕞 👻 🔊 🖉 http://sets.faa.gov/	Google
😤 🕸 🎉 SETS Read-Only Search Form	🛐 👻 📾 👻 🔂 Page 🕶 🎯 Tools 🕶 🎽
Spectrum Engineering Tracking System (SETS)	Search Form Login Active Ticket Report Active Events Map Change Request
Ticket Information	
TIX Opened: Name: Name:	Event Start: mm/dd/yy hhmi
TIX Closed: Phone:	Event End:
mm/dd/yy hhmi	mm/dd/yy hhmi
Event Information	
Ident: Equip: 🗸	City: St: City: Org:
Svc Area: 💌 Event Type:	Freq:
Log Id: Code:	Event Mg:
Delays: Platform:	Cost Sub source:
Event Summary	
Event Notes	
The FAA Intranet community ca	an search for an event based on any one
or combination of the searchable fields in the form (20 fields).	
Search	Open Tickets 🔽 Reset
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	Presented at the United States
	NTIA Telecommunications
	Training Institute (USTTI) Radio Frequency Spectrum Management
	Course April 8, 2009

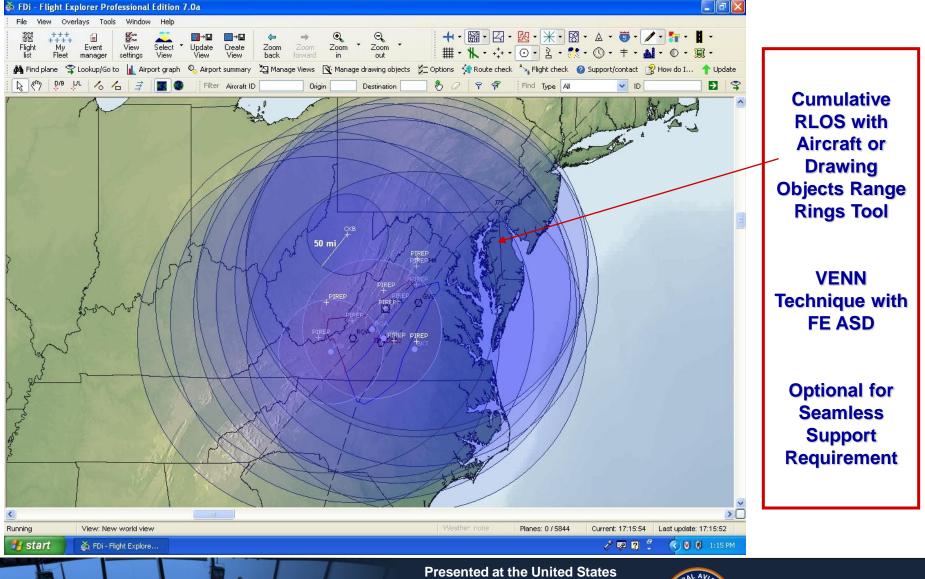
30

Automated Frequency Manager





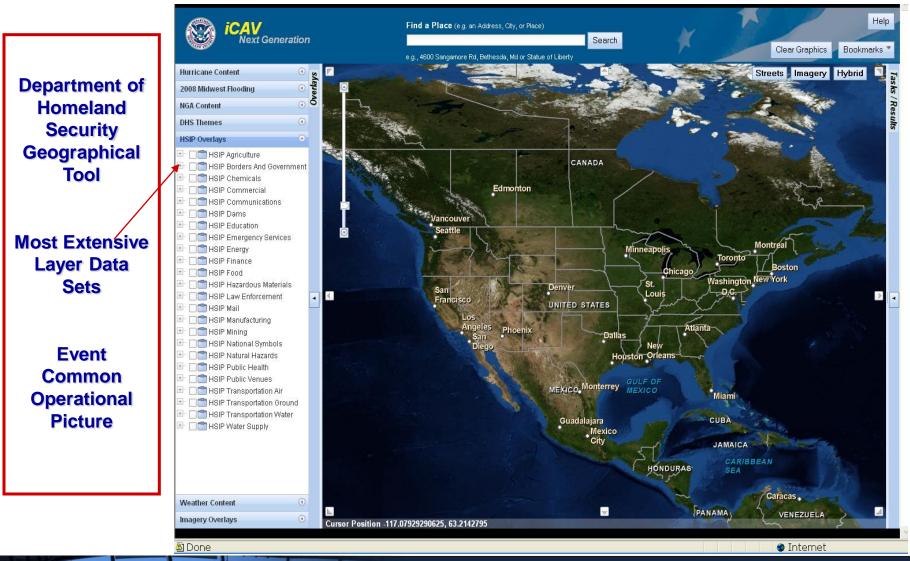
Flight Explorer Aircraft Display



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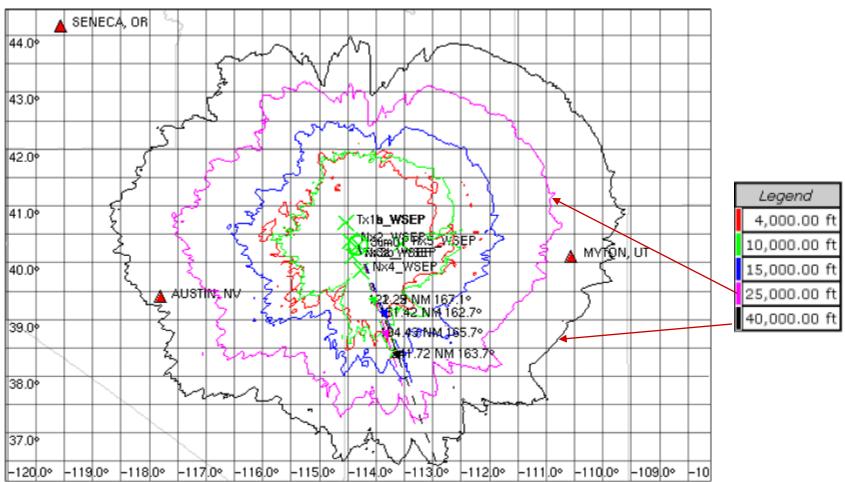
Integrated Common Analytical Viewer





GPS Interference Navigation Tool

Airborne Receivers





Enhance Traffic Management System

FAA Traffic Flow Management

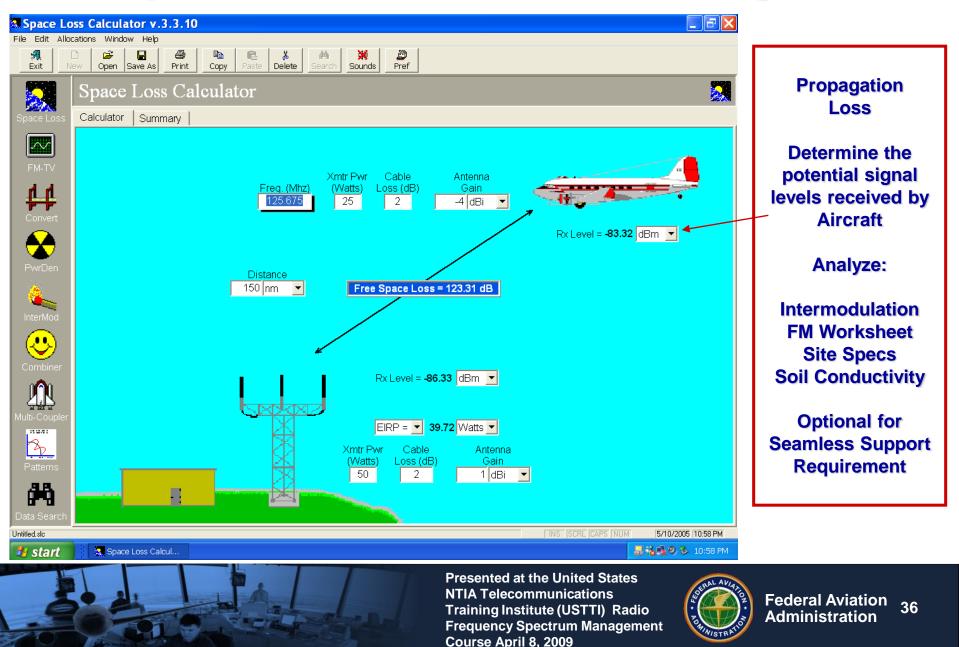
Commercial Military and FAA Flight Check

Real Time Weather and TFM Initiatives

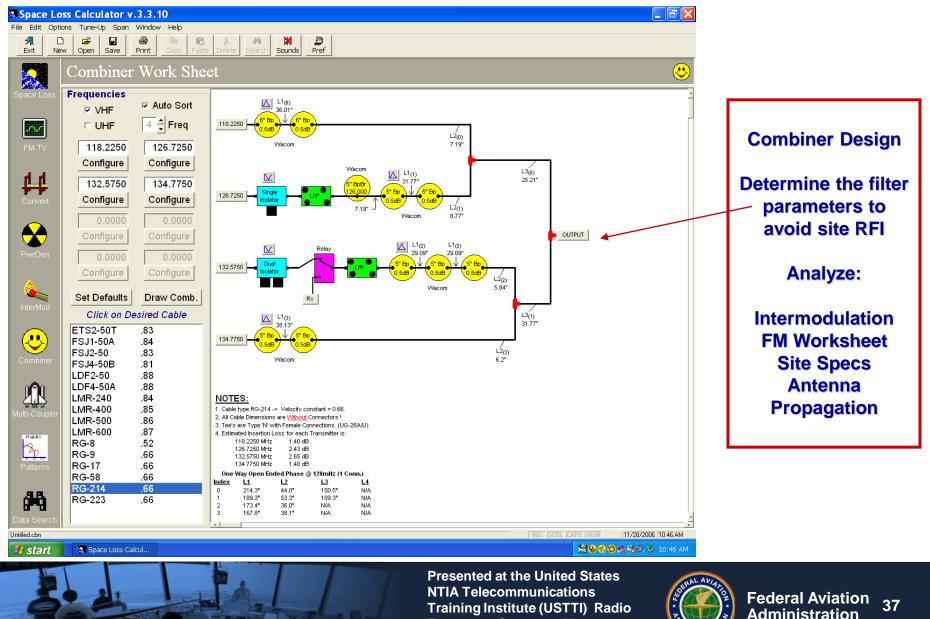




Space Loss Calculator Analysis

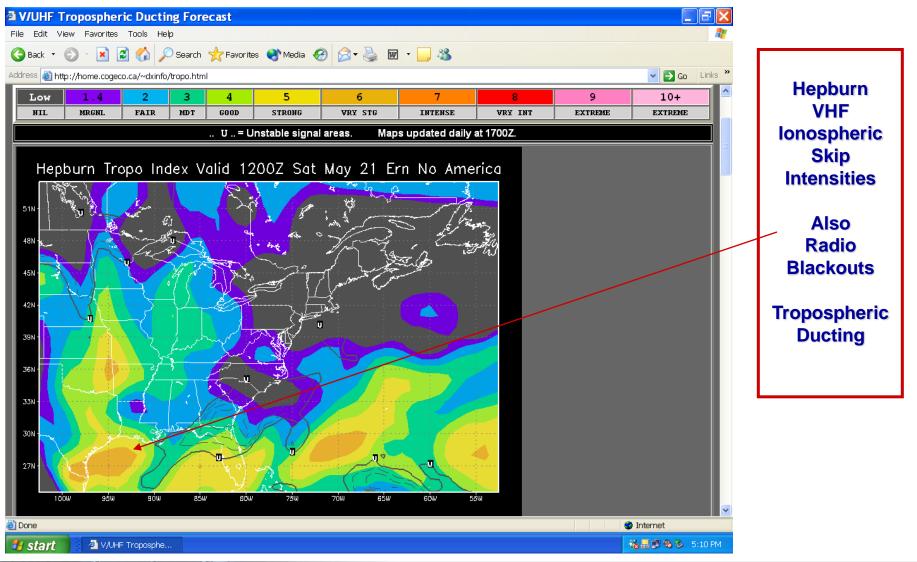


Space Loss Calculator Filter Design



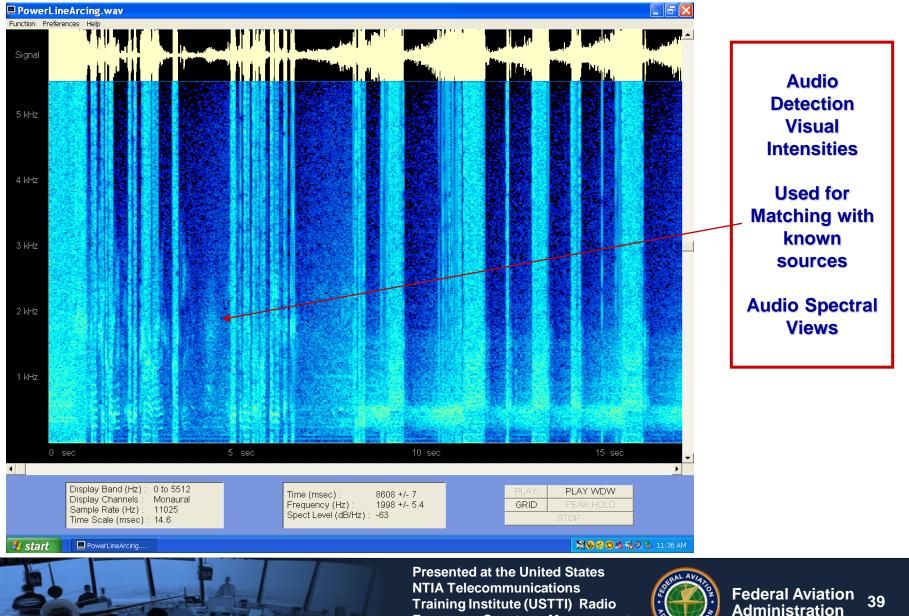
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Hepburn Ionosphere Skip Analysis



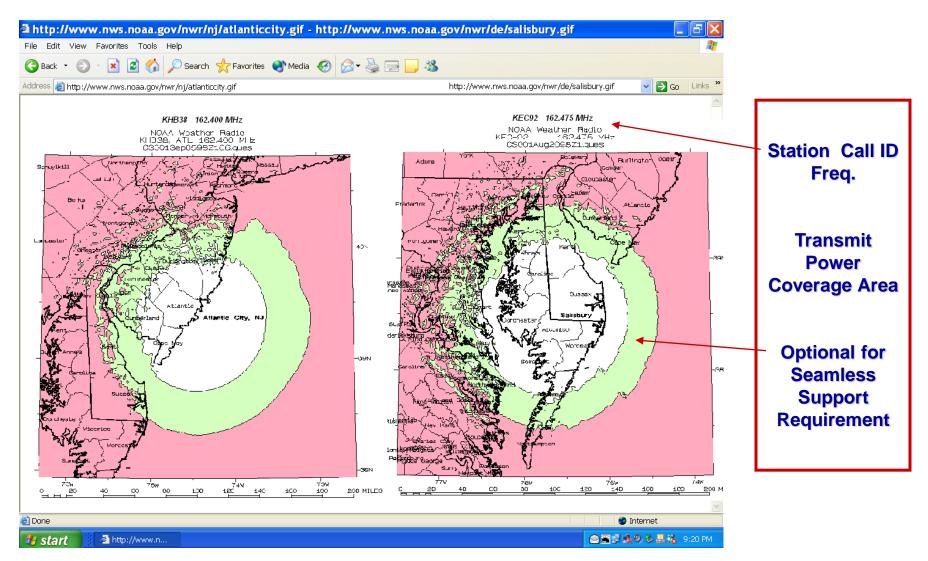


Spectrogram Audio Analysis



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Weather Radio Transmitters Analysis

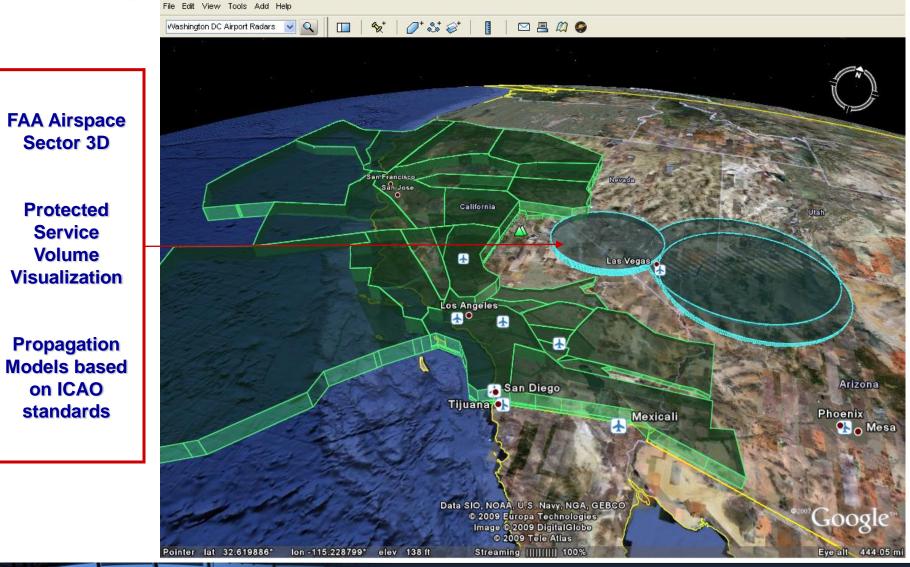


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Federal Aviation 40 Administration

Google Earth 3-Dimensional Analysis



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Federal Aviation 41 Administration

Any Questions ?

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Federal Aviation 42 Administration