



Satellites and Border Security

*Tom Foust, VP, Satellite Network Services
Intelsat General Corporation*



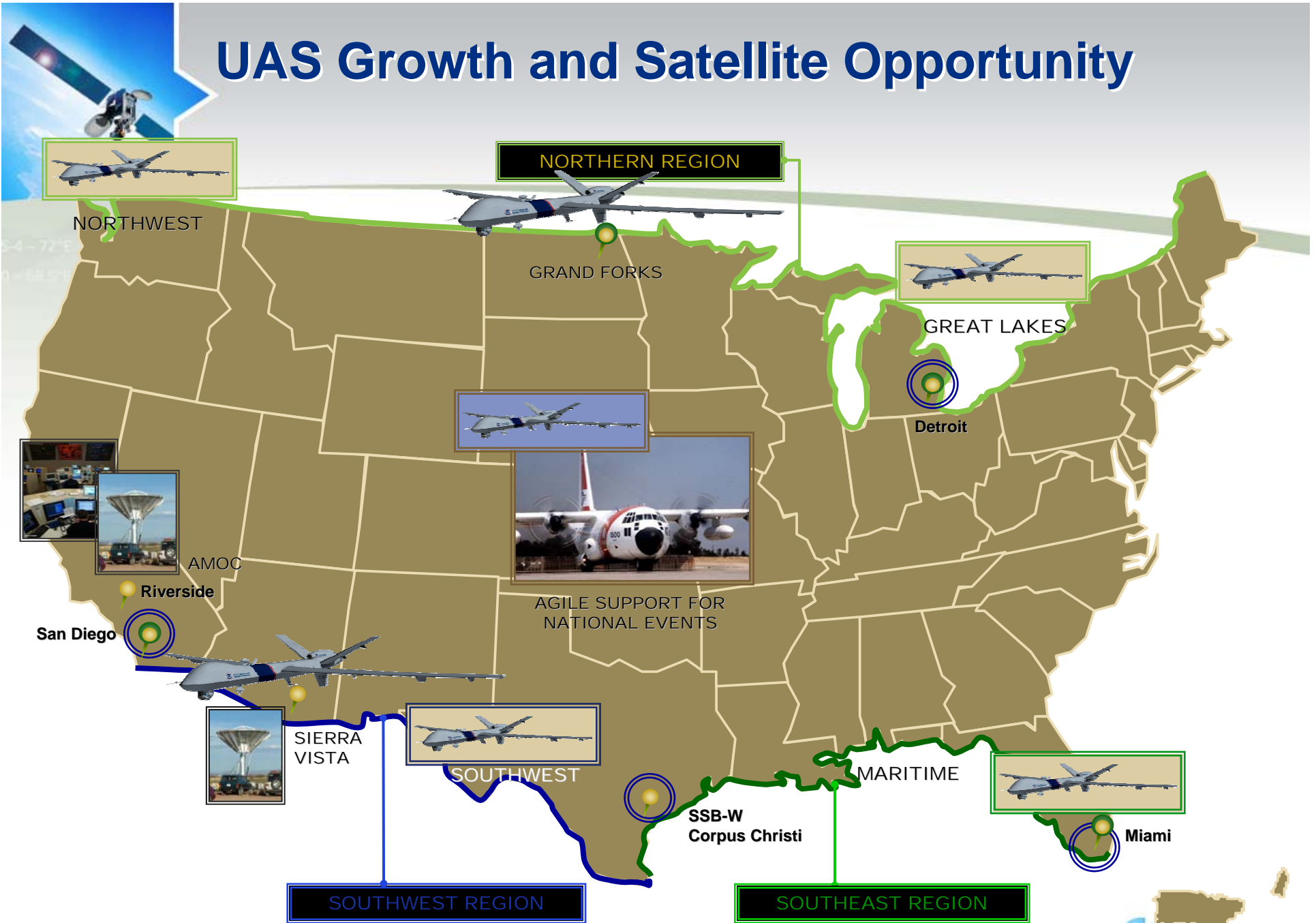


Borders and Communications Challenges

- Protect US Borders and Ports
 - Protect 36,000 miles of border
 - Protect seaports, ocean coverage
 - Protect Airports
 - Protect Global Supply Chain

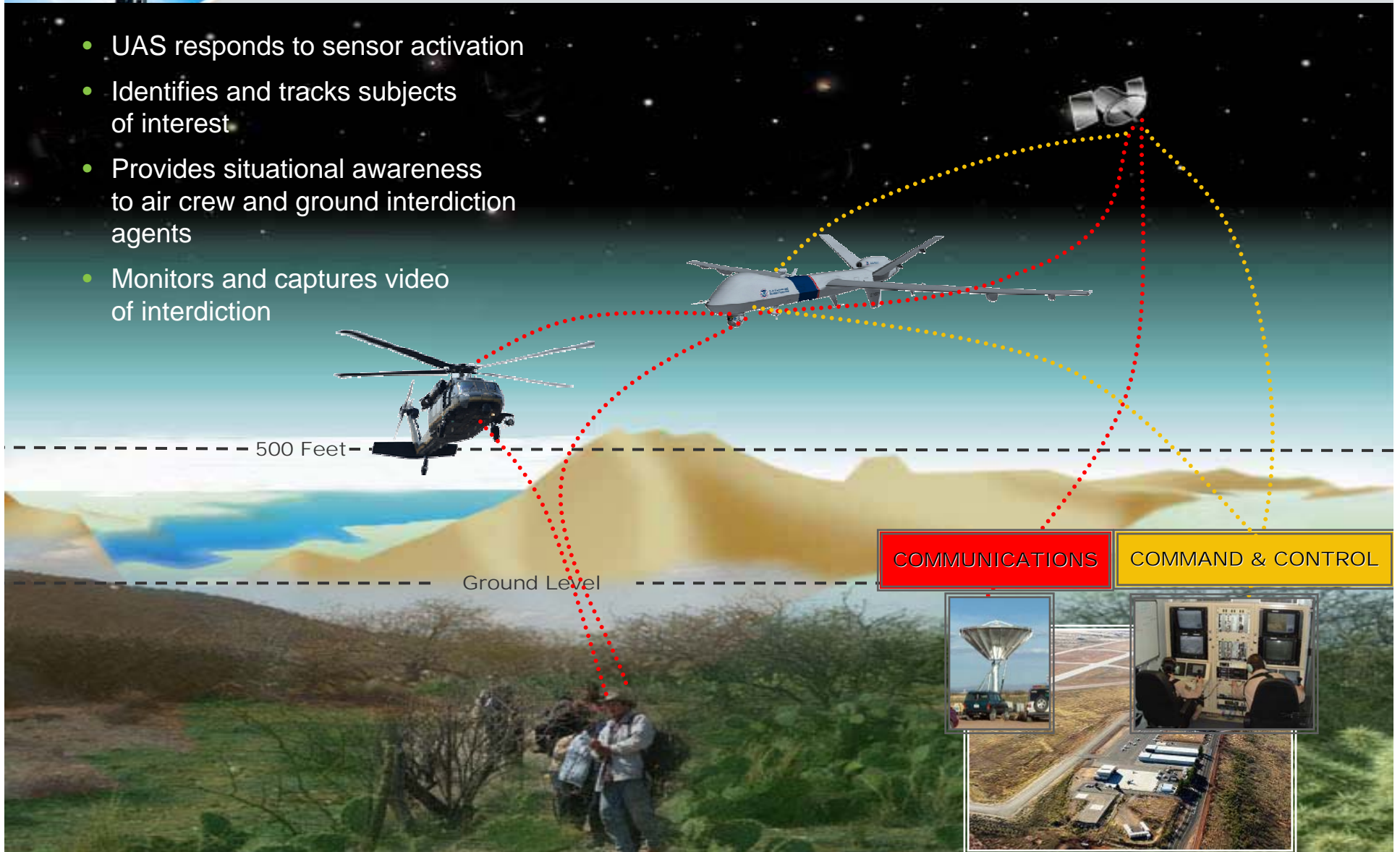


UAS Growth and Satellite Opportunity



UAS Concept of Operations

- UAS responds to sensor activation
- Identifies and tracks subjects of interest
- Provides situational awareness to air crew and ground interdiction agents
- Monitors and captures video of interdiction





Satellite Solutions for Border Security

- Today Intelsat General is involved in several relevant programs to include;
 - Coast Guard Rescue 21
 - Satellite backhaul from radio towers
 - Coast Guard Proof of Concept
 - Ocean coverage 300 miles offshore
 - Customs and Border UAS discussions
 - Testing COTM; land, aero and maritime

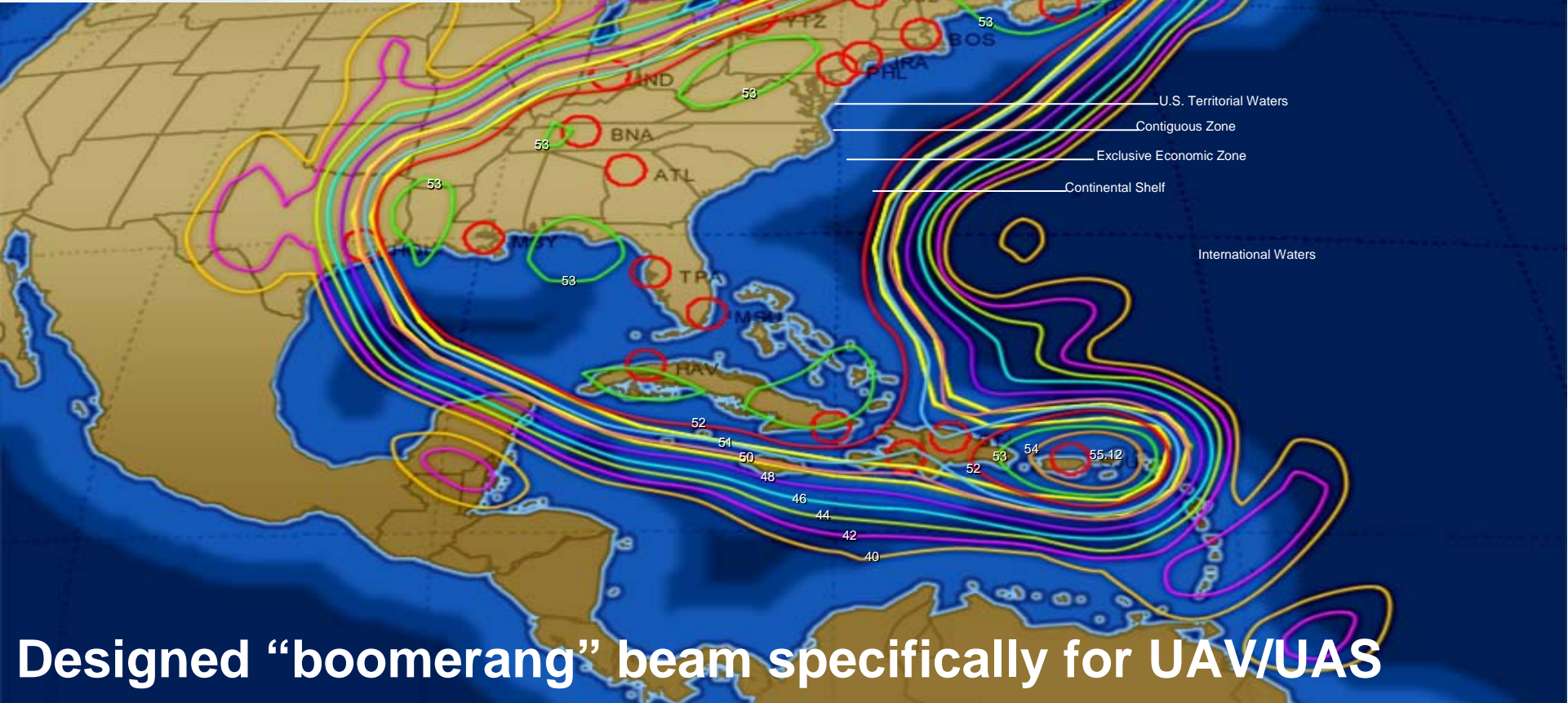




Satellite Solutions for Border Security – Rescue 21 and SBINet Project 28



Intelsat Providing Bluewater Coverage



Designed "boomerang" beam specifically for UAV/UAS



Horizons 2 “Boomerang” Beam

- Transponders
72MHz wide
- 150W LCTWTA
- “hot spots”





Summary

- Significant border security challenges
- More reliance on UAS/UAV
- Remote areas needing communications
- Critical backup to airport networks
- Satellites will have a major role

