



**Program Executive Office  
Command, Control, Communications,  
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# Agenda

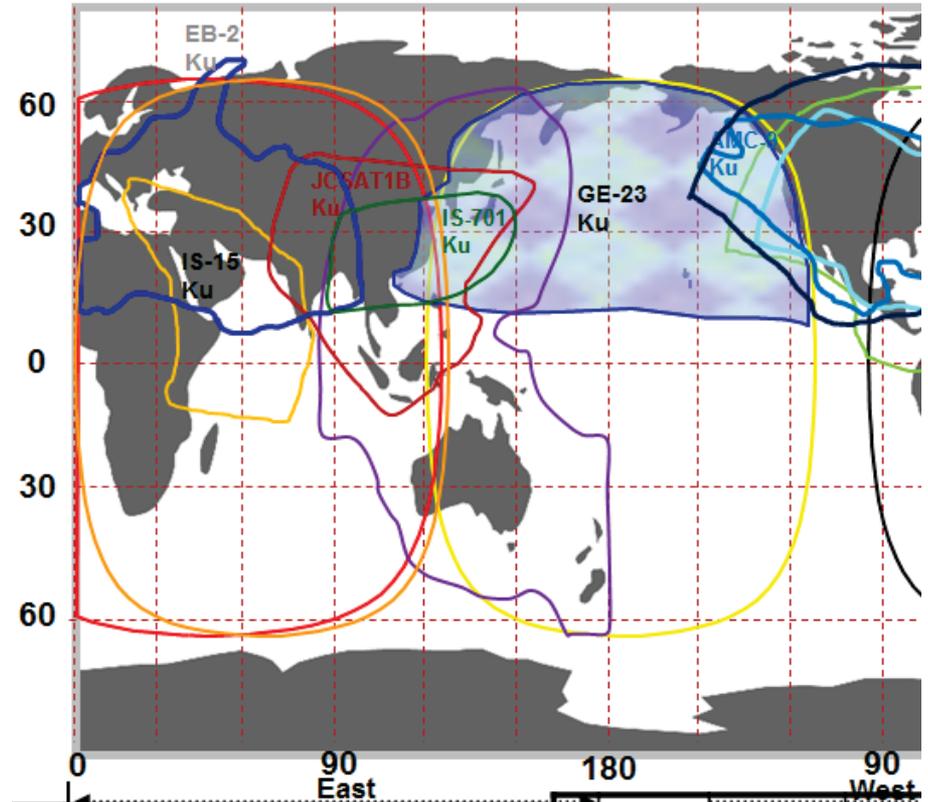


- Pacific Region
- Interoperability
- Emerging Technologies
- Challenges

# Focus on Asia Pacific Region

- **Opportunities:** CBSP plans to collaborate with Industry for ways to focus satellite connectivity in region
- **Challenges:** CBSP working to maintain readiness in C7F AOR
- **Strategy:** Navy fielding of CBSP and NMT
  - Band and Antenna Diversity provided by CBSP and NMT helps reduce concentration of satellite connectivity by allowing Navy ships to access three disparate satellites simultaneously

Current Connectivity in Pacific





# Multinational Interoperability

## Interoperability

- CBSP terminals are based off of COTS design and can easily integrate onto foreign ships
  - SSV/ULV are appropriate size/weight for most foreign ships
  - CBSP ULV-model terminal was purchased directly from OEM for Canadian ships through Direct Commercial Sales
  - ULV terminal commercial/mil X and Ku; SSV operates in Ku

## Leases

- Structure of CBSP Lease Contract allows Coalition partners access to CBSP bandwidth and services
  - Ability to procure bandwidth by region
  - Worldwide coverage and terrestrial connectivity

## FMS Advantage

- Foreign Navies can benefit from U.S. Navy FMS
  - Discounted prices due to bulk buys with Navy
  - Joint Training and Doctrine
  - Long-term relationship with U.S. Military
  - Technical knowledge base

## Additional Capabilities

- Working toward resilient solutions
- Dual Antenna option
- Dual Channel



# Emerging Technologies

- Dynamic Bandwidth Management
  - Dynamic satellite bandwidth management that enables users to automatically access additional bandwidth as needed
  - Guaranteed Minimum Bandwidth Allocation
  - Asymmetrical Bandwidth Allocation
- Ka Bandwidth
  - CBSP will take advantage of Ka Spectrum



# Coalition Comms Challenges



- Interoperability is key challenge
- Terrestrial termination planning
- Purchasing through FMS helps ease interoperability challenges
  - Documentation, Training, Manuals in place
  - Participation in working groups



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