

# *Headquarters U.S. Air Force*

---

*Integrity - Service - Excellence*

## **Secret and Below Releasable Environment (SABRE)**



**USAF Mission Partner  
Capability Office**

**CENTCOM Data Symposium  
4 Feb 2021**

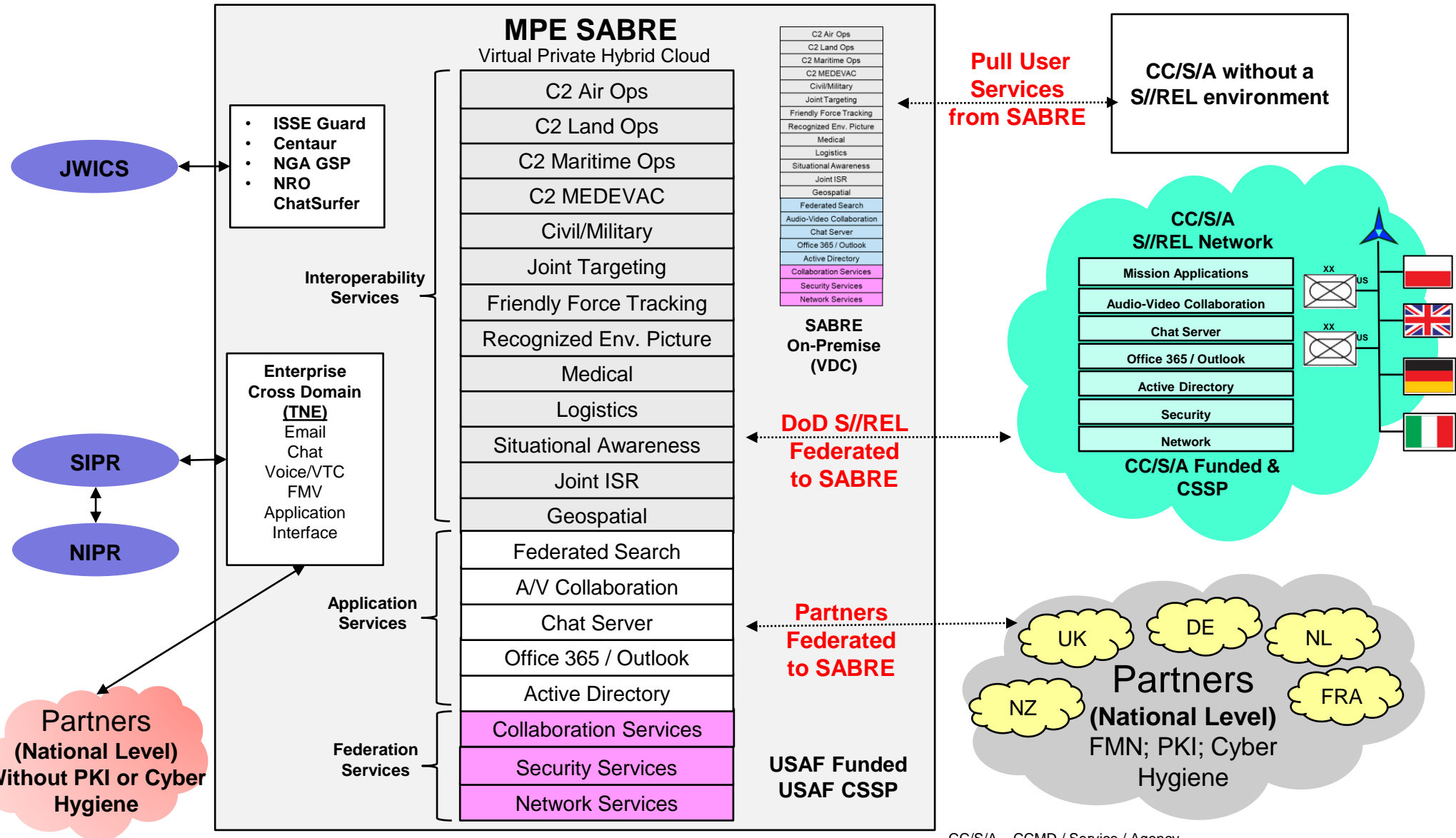
**U.S. AIR FORCE**

---



# SABRE Capability View

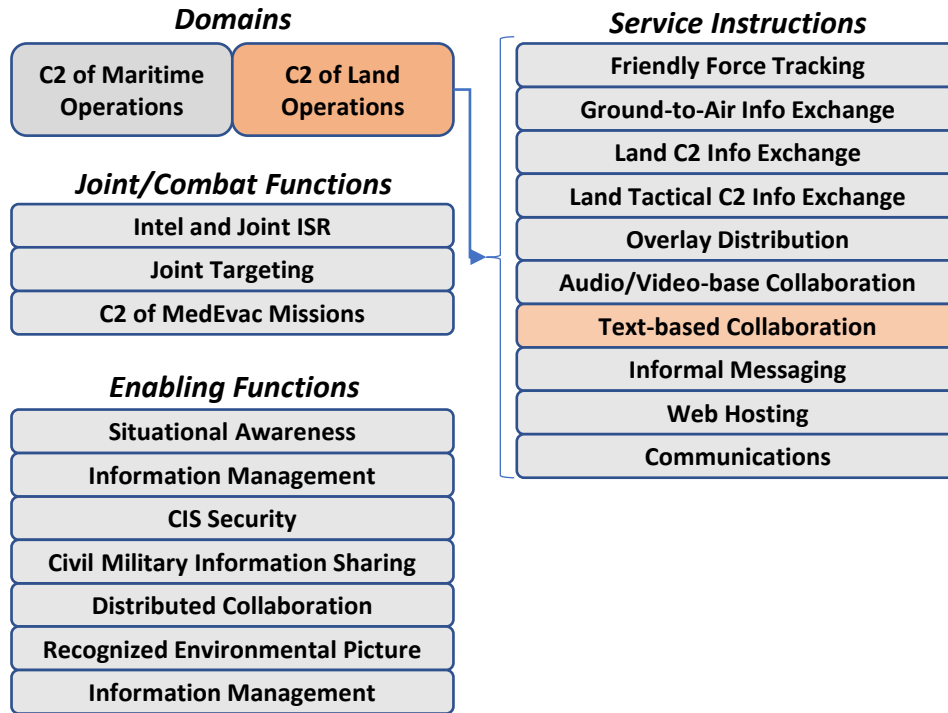
U.S. AIR FORCE





# C2 of Land Operations "Chat" Example

U.S. AIR FORCE



- Text-based Collaboration ("Chat") Standards**
- RFC 3629 - "UTF-8, a transformation format of ISO 10646"
  - W3C - Character Model for the World Wide Web 1.0: Fundamentals - "Character Model for the World Wide Web 1.0: Fundamentals"
  - W3C - Internationalization Tag Set (ITS) Version 1.0 - "Internationalization Tag Set (ITS) Version 1.0"
  - W3C - Internationalization Tag Set (ITS) Version 2.0 - "Internationalization Tag Set (ITS) Version 2.0"
  - W3C - Ruby Annotation - "Ruby Annotation"
  - XEP-0045 - "Multi-User Chat"
  - XEP-0059 - "Result Set Management"
  - XEP-0082 - "XMPP Date and Time Profiles"
  - XEP-0313 - "Message Archive Management"
  - XEP-0012 - "Last Activity"
  - XEP-0030 - "Service Discovery"
  - XEP-0047 - "In-Band Bytestreams"
  - XEP-0054 - "vcard-temp"
  - XEP-0055 - "Jabber Search"
  - XEP-0060 - "Publish-Subscribe"
  - XEP-0092 - "Software Version"
  - XEP-0106 - "JID Escaping"
  - XEP-0114 - "Jabber Component Protocol"
  - XEP-0115 - "Entity Capabilities"
  - XEP-0160 - "Best Practices for Handling Offline Messages"
  - XEP-0199 - "XMPP Ping"
  - XEP-0202 - "Entity Time"
  - XEP-0203 - "Delayed Delivery"
  - XEP-0220 - "Server Dialback"
  - RFC 6120 - "Extensible Messaging and Presence Protocol (XMPP): Core"
  - RFC 6121 - "Extensible Messaging and Presence Protocol (XMPP): Instant Messaging and Presence"
  - RFC 6122 - "Extensible Messaging and Presence Protocol (XMPP): Address Format"
  - ADatP-4774 Edition A Version 1 - "Confidentiality Metadata Label Syntax"
  - ADatP-4778 Edition A Version 1 - "Metadata Binding Mechanism"
  - SIP for Binding Metadata to XMPP Stanzas
  - XEP-0004 - "Data Forms"
  - XEP-0346 - "Form Discovery and Publishing"
  - XEP-0068 - "Field Standardization for Data Forms"

What happens when...

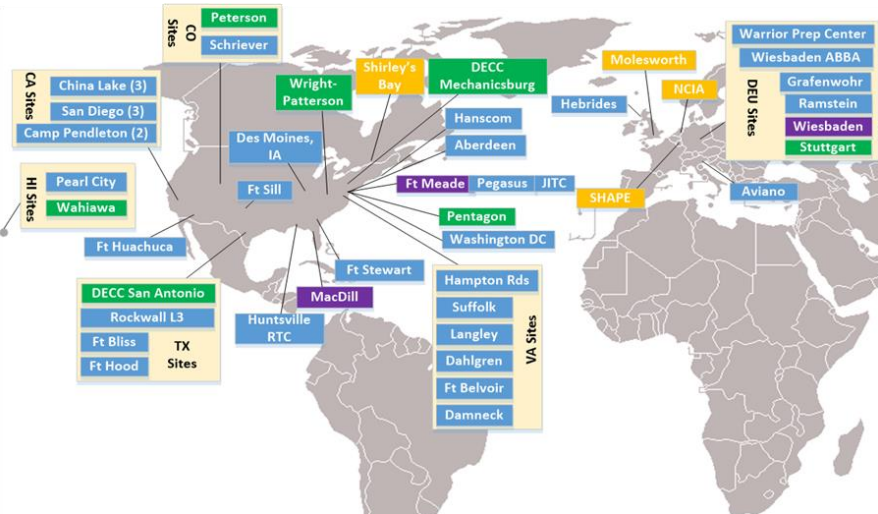
- Services/Mission Partners not compliant?
  - Technical
  - Data format / Access control
- Conducting ops in a DDIL Environment?
- Working with low-tech partner?



# SABRE Prototype

U.S. AIR FORCE

- Using CFBLNET as the persistent SABRE prototype environment
- Access to DoD Battle Labs & 40+ partner nations
- BQ 21.2 Oct/Nov '21



DoD CFBLNET Locations

