



USMCC - RCC/SPOC Communications

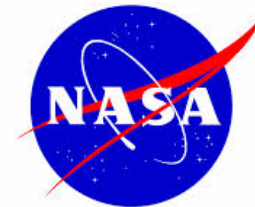
SAR Controllers Workshop 2019

5 - 7 March 2019

Brent Vizbulis

USMCC Senior Controller

ERT, Inc.





USMCC - Communications

- USMCC Communications Setup
 - Each organization that the USMCC communicates with is considered a *communication site (Com site)*
 - Each com site has one or more *communication paths (com paths)*
 - Each com site receives a unique set of message sequence numbers



USMCC – USCG RCC Communications

- The USMCC currently has 5 com paths configured for each USCG RCC
 - 4 by SFTP over Verizon PIP (2 USMCC FTP servers * 2 USCG FTP servers)
 - By design the USMCC can deliver USCG RCC messages to different USCG servers
 - By agreement with C3CEN, the USMCC delivers to the same server for all USCG RCCs
 - 1 via FAX



USMCC – USCG RCC Communications

- The USMCC:
 - Delivers messages to one of its two LutFTP servers
 - An automated USMCC relay process on the LutFTP server detects the message and delivers it to the designated USCG FTP server
- The USMCC selects the:
 - LutFTP server to deliver alert messages to
 - USCG FTP server to deliver alert message to
- USCG C3CEN selects which USCG server is primary



USMCC – AFRCC Communications

- The USMCC currently has 2 com paths configured for each AFRCC and AKRCC
 - 1 via the Aeronautical Fixed Telecommunication Network (AFTN)
 - By design the USMCC can relay messages into the AFTN through an operations center in Atlanta (primary) or Salt Lake City (secondary)
 - A problem sending via AFTN may be due to a problem sending to the FAA site, a problem with the AFTN network, or a problem at the AFRCC or AKRCC.
 - 1 via FAX



USMCC – SPOC Communications

- The USMCC currently delivers alert messages to 13 SPOC com sites*
- SPOCs use a variety of different com paths
 - Most SPOCs have 2 com paths (1 via AFTN, and 1 via FAX)
 - Some SPOCs (Bermuda and Mexico) have a VPN com path, and a FAX com path
 - Some SPOCs only have a FAX com path

* Includes COCESNA, which delivers alerts for many Central American countries.



Responsibilities

- The USMCC is responsible for:
 - Maintaining the USMCC hardware and software
 - Maintaining the Verizon PIP circuits involved
 - Delivering the alert messages to the correct USCG FTP server
- The RCC/SPOC is responsible for:
 - Maintaining the RCC/SPOC communications servers
 - Retrieving the alert messages from the com servers
 - Maintaining RCC/SPOC hardware and software such as SAROPs
 - Acknowledging AFTN messages and responding to C/S required monthly communications tests



USMCC - RCC/SPOC Communications

Questions?