USMCC - RCC/SPOC
Communications

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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
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
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
Questions?