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
USMCC – USCG RCC Communications

• The USMCC currently has 5 com paths configured for each USCG RCC
  – 4 Secure FTP over Verizon Private IP (PIP)
    • 2 USMCC FTP servers and 2 USCG FTP servers
  – 1 via FAX
  – The USMCC can deliver USCG RCC messages to different USCG servers
USMCC – USCG RCC Communications

• The USMCC:
  – Delivers messages to one of two of its own FTP servers
  – An automated USMCC relay process on the FTP server detects the message and delivers it to the designated USCG FTP server

• The USMCC selects the:
  – FTP 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 AFRCC
  – 1 via The Aeronautical Fixed Telecommunication Network (AFTN)
  – 1 via FAX
    • The USMCC can relay messages in to 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.
USMCC – SPOC Communications

• The USMCC currently delivers alert messages to 12 SPOC com sites

• SPOCs use a variety of different com paths
  – Most SPOCs use AFTN and FAX
  – Some SPOCs have a VPN com path and a FAX com path
  – Some SPOCs only have a FAX com path
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 com servers
  – Retrieving the alert messages from the com servers
  – Maintaining RCC/SPOC hardware and software such as SAROPs
Questions?