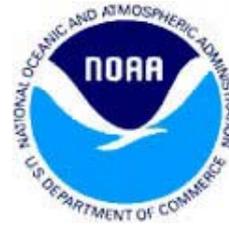




USMCC to RCC Alert Communications

SAR Controllers Training 2012
19 – 21 March 2013

Sam Baker
Science Systems and Applications, Inc.
Chief USMCC



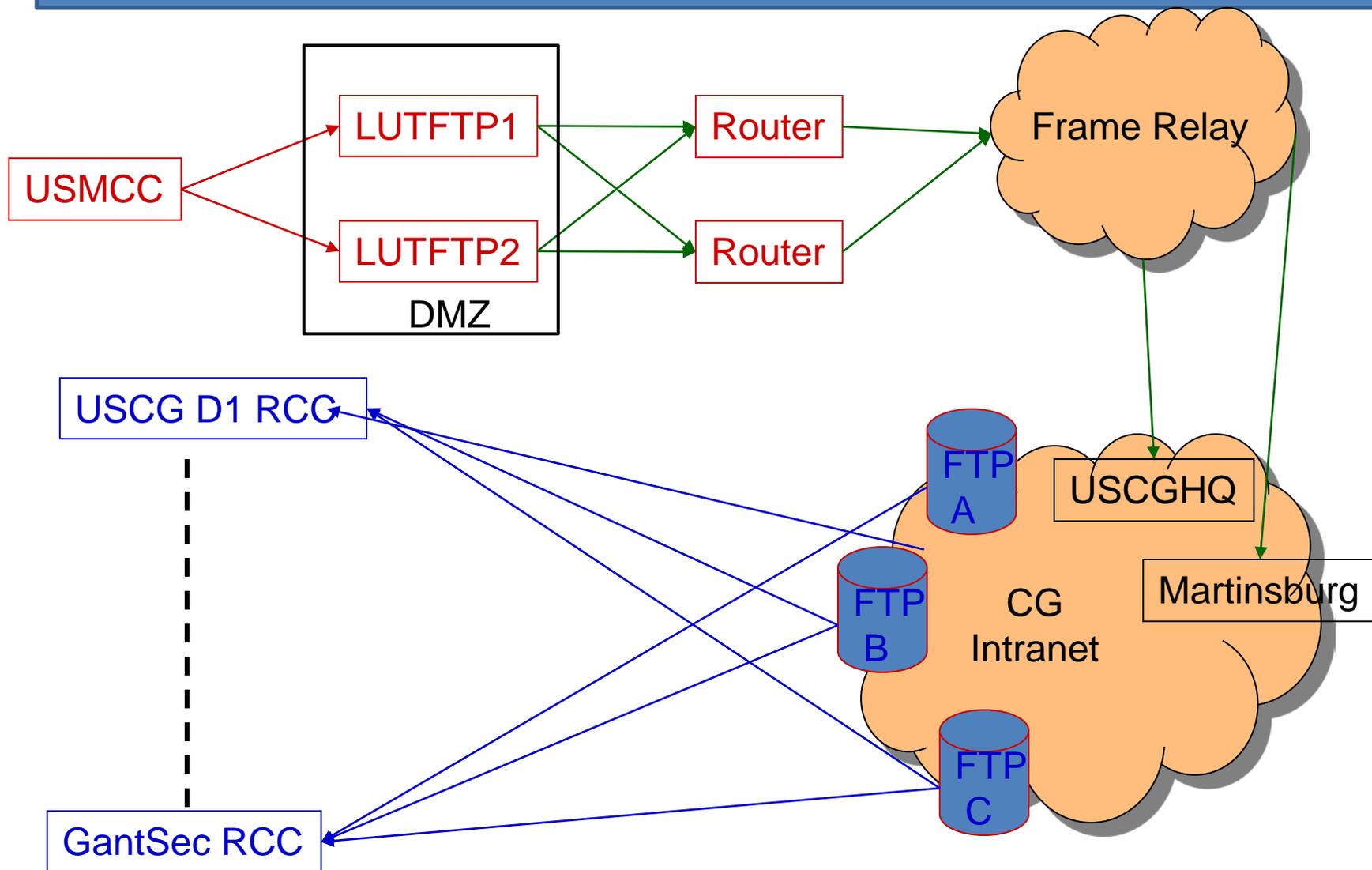


USMCC - USCG RCC Communications

- USMCC Communication Organization
 - Each organization that the USMCC communicates with is considered a *communication site*
 - Each CG RCC is considered a *communication site*
 - Each CG RCC has a folder on each of the 3 CG FTP servers
 - Each communication site has one or more *communication paths*
 - The path identifies the CG FTP server and folder
 - The path also identifies the route to the CG FTP server
 - Each communication site has unique message sequence numbers



USMCC to USCG Primary Communication





USMCC – USCG RCC Communications

- The USMCC:
 - “Puts” messages on one of the USMCC LUTFTP
 - An automatic process on the USMCC LUTFTP server detects the message and “puts” it on a USCG FTP server
- C2CEN tells the USMCC which of the 3 USCG FTP servers to put messages on.
- The USMCC selects the:
 - USMCC LUTFTP server to “put” messages on and
 - USCG FTP server to “put” messages on
- The USCG RCC Controllers select which USCG FTP server their SAROPS workstation polls for messages from the USMCC

USMCC – USCG RCC Communications



- The USMCC controller:
 - Can select either LUTFTP server without notifying the USCG RCCs
 - Must coordinate with all USCG RCCs when changing USCG FTP server to which messages will be delivered
- Each USCG RCC must take action to “point” its SAROPS workstation to the correct USCG FTP server



Responsibilities

- The USMCC is responsible for:
 - Maintaining the USMCC hardware and software
 - Maintaining all 4 frame relay circuits involved
 - “Putting” the alert messages in the correct folder on the correct USCG FTP server
- The USCG is responsible for:
 - Maintaining the USCG FTP servers
 - Selecting the correct FTP server to poll
 - “Getting” the alert messages from the USCG FTP servers
 - Maintaining the SAROPS hardware and software at the USCG RCC



Future

- Transparent to the RCC controller, in the near future FTP transfer change to SFTP (*this is ready and may have already been implemented by the time of this meeting*).
- The next slide shows additional redundancy using a VPN over the internet planned for the future.



Summary

- USMCC currently has 8 paths it can select to each USCG RCC
 - 6 by FTP paths over frame relay as depicted in previous slide
 - By agreement with C2CEN USMCC puts on the same server for all RCCs
 - By design USMCC can put USCG RCC messages on different USCG servers
 - 2 via FAX



Questions?