USMCC
Backup Procedures

SAR Controllers Training 2014

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USMCC Backup Procedures

- Backup options
  - Use in-house redundancy
  - Operate NSOF USMCC remotely from the NOAA Center for Weather and Climate Prediction (NCWCP)
  - Operate Offsite at Wallops, VA remotely from NCWCP
  - Move all operations to Wallops
  - Cospas-SARSAT partners provide backup
    - CMCC (Canada) for national responsibilities
    - AUMCC (Australia) for international responsibilities

- Use in-house redundancy
  - Failover to the on-site test system has minimal to no delay
  - The test system is configured the same as the operational system
  - In case of a hardware failure, the operational processes can be moved to the hardware on the test system very quickly
  - Should be transparent to everyone outside NOAA
    - Phone numbers stay the same
    - Communication addresses stay the same
    - Message sequence numbers stay the same

- Abandon NSOF, with computer systems still operating at NSOF or outage at NSOF is expected to be short
  - MCC Controllers move to NCWCP and operate NSOF MCC remotely
    - May be brief delay in contacting MCC controller while in transit
    - Phone numbers change
    - You will receive a message reminding you of the new phone numbers
    - Communication addresses stay the same
    - Message sequence numbers stay the same

- If necessary, MCC controllers can bring up the Offsite MCC at Wallops, VA and operate it remotely
  - Phone numbers stay the same as above (NCWCP numbers)
  - Communication addresses will change
  - Message sequence numbers will change
  - Alert sites will reform and alert site numbers will change
  - RGDB and IHDB will not be available
  - You will receive a message reminding you of the above
- Operating Offsite MCC remotely maybe used as a transition while USMCC staff deploys to Wallops

- Move all operations to Wallops
  - If transition from remote operations of Wallops from NCWCP, only USMCC contact numbers change to Wallops phone numbers
  - You will receive a message notifying of the changes

- Cospas-SARSAT partners take over USMCC responsibilities
  - CMCC will assume USMCC national responsibilities
    - Alert messages will be sent in SIT 185 format
    - RGDB data will not appended to alert messages
    - RGDB and IHDB likely will not be available
    - Site numbers are not provided
    - Message sequence numbers will change
    - You will not receive missed pass messages
    - You will not receive data from US LUTs
    - CMCC does not support US special programs
  - AUMCC will assume international (Nodal) responsibilities
    - Should be transparent to you

Future Plans

- We expect to have an exercise that will test each of the backup options in early April.

- We are working with Canada and Australia to streamline the process in the unlikely case that we have to use them. Those changes will be transparent to you.

Conclusion

Questions?