



# USMCC Backup

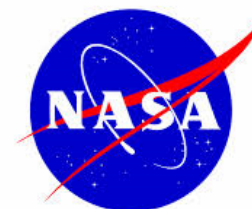
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Beth Creamer

ERT, Inc.

USMCC Chief





# USMCC Backup Options

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- Backup options (in priority order)
  1. Use in-house redundancy of NSOF USMCC in Suitland, MD
  2. Operate NSOF USMCC remotely from the NOAA Center for Weather and Climate Prediction (NCWCP) in College Park, MD
  3. Operate Offsite USMCC at Wallops, VA remotely from NCWCP
  4. Operate Offsite USMCC locally from Wallops (*from Fairmont, WV later in 2024*)
- C/S partners provide backup during transitions and in case of system failure
  - CMCC (Canada) for national (RCC/SPOC) responsibilities
  - AUMCC (Australia) for international (MCC) responsibilities



# USMCC Backup – In House

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## Use in-house redundancy

- Failover to on-site backup system has minimal delay
- The backup system is configured the same as the operational system
- In case of a hardware failure, the operational processes can quickly be enabled on the backup system
- Should be transparent to RCCs, SPOCs, and MCCs
  - Phone numbers stay the same
  - Communication addresses stay the same
  - Message sequence numbers stay the same



# USMCC Backup – Remotely Operate NSOF

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Leave NSOF, with computer systems still operating at NSOF

- MCC Controllers move to NCWCP and operate NSOF MCC remotely
  - May have brief delay in contacting MCC Controller while in transit
  - Phone numbers may change (some failures at NSOF may not allow forwarding)
  - RCCs/SPOCs will receive a message providing the new phone numbers (if applicable)
  - Communication addresses stay the same
  - Message sequence numbers stay the same



# USMCC Backup – Remotely Operate Wallops

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MCC Controllers bring up the Offsite MCC at Wallops, VA and operate it remotely from NCWCP

- Phone numbers may change
  - Communication addresses will change
  - Message sequence numbers will change
  - Alert sites may reform
  - Alert site numbers will change
  - RGDB and IHDB are likely not available (RGDB, IHDB only at NSOF)
  - RCCs/SPOCs will receive a message with the above information
- Operating the Offsite MCC remotely may be done as a transitional step while USMCC staff deploys to Wallops
- Wallops System will move to Fairmont, WV in 2024



# USMCC Backup - Wallops

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## Operate Offsite USMCC locally from Wallops

- RCCs/SPOCs will receive a message about the changes
  - USMCC contact numbers change to Wallops phone numbers
  - Communication addresses will change
  - Message sequence numbers will change
  - Alert sites may reform
  - Alert site numbers will change
  - RGDB and IHDB are likely not available (RGDB, IHDB only at NSOF)



# USMCC Backup – AUMCC & CMCC

When USMCC at NSOF and Wallops are not available, C/S partners take over USMCC responsibilities:

- CMCC will assume USMCC national responsibilities
  - Alert messages will be sent in SIT 185 format to RCCs and SPOCs
  - RGDB data will not be included in alert messages
  - RGDB and IHDB may not be available
  - Message sequence numbers will change
  - RCCs/SPOCs will receive up to 4 missed pass messages per location
  - RCCs/SPOCs will not receive data from US LUTs (including MEOLUTs)
  - CMCC supports US special programs with limitations
- AUMCC will assume international (Nodal) responsibilities
  - AUMCC distributes data to MCCs in the WDDR for the USMCC
- *CMCC still not yet LGM capable (currently can only provide data from Canada LUTs)*



# Questions & Contact Info

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Beth Creamer  
USMCC Chief

Email: [elizabeth.creamer@noaa.gov](mailto:elizabeth.creamer@noaa.gov)

Phone: 301-817-4531