

71th Interdepartmental Hurricane Conference



Working Group for Hurricane and Winter Storms Operations and Research (WG/HWSOR)

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and

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WG/HWSOR Action Item Review

71th IHC (2017)

18 Action Items (AIs: 17 submitted, 1 from 70th IHC)

- Closed 12 (#'s 1,5,6,7,8,9,10,11,12,14,15,16)
- Ongoing 4 (#'s 2, 3, 4, 13)
 - #2. Proposed retiring of Dvorak classification by NESDIS *
 - #3. Listing of FAA ATC emails.
 - #4. SHOUT Global Hawk Demonstration Project *
 - #13. Proposed requirement for ocean observations *
- Follow-up call for 5 scheduled items plus 1 new this week not covered

* Additional details follow

WG/HWSOR Action Item Review

71th IHC (2017)

Open AI#2 - Dvorak Classification

Background

- NESDIS proposes to end its manual Dvorak classifications globally at the end of 2017 as inconsistent with their mission and resourcing.
- U.S. tropical cyclone forecast centers indicate their operations will be impacted negatively.

Action

NESDIS, DOD, and NWS WG representatives agreed to draft a common response acknowledging positions of NHC, CPC and JTWC, and concerns of NESDIS, and forward to WG staff. Response to call upon senior leadership to find solution that does not significantly degrade operations. Representatives to elevate to their respective leaders.

WG/HWSOR Action Item Review

71th IHC (2017)

Open AI#13 - Adding Ocean Observations to NHOP

Background

- Ocean observations obtained from AXBTs and similar buoys dropped from 53rd WRS aircraft reported to improve initial conditions in numerical models.
- Navy requests adding requirement to the NHOP to coordinate releasing buoys from USAF 53rd WRS aircraft in a routine, but non-interfering basis.
- Requested Action - Add edits to NHOP Chapter 9 accordingly.
- WG requested more information before potentially endorsing proposal: a document indicating resource requirements, funding sources, operational execution plan, etc. (Though not explicitly mentioned during WG meeting, documented/referenced beneficial impacts also of interest to WG.)

Action

Submitters will provide document(s) within one week to allow for possible changes to 2017 NHOP. WG-HWSOR will convene meeting of parties to discuss input and possible endorsement.

WG/HWSOR Action Item Review

71th IHC (2017)

Open AI#4 - SHOUT Global Hawk Demo. Project

Background

- Dropsonde data from Global Hawk UAV research missions reported to show positive impact on numerical forecast models.
- NCEP/EMC requests WG endorsement to take advantage of “data opportunity” and assimilate in models.
- WG supportive and provided draft endorsement statement acceptable to NCEP/EMC

Action

NCEP/EMC and WG will craft final endorsement language.

WG/HWSOR Action Item Review

To do in follow-up call:

71th IHC (2017)

Two Action Items

#17. Update NHOP for radar updates

New. From Tony Ramirez WG

Three Informational items

- #1.1 Changing NWS criteria for issuing tropical cyclone watches and warnings to include certain land-threatening disturbances that are not yet tropical cyclones
- #1.2 Addition of tropical cyclone storm surge watches and warnings for the Atlantic and Gulf Coasts of the CONUS
- #1.3 Probabilities of Significant Wave Heights in Tropical Cyclones

70th IHC (2016)

One Action Item

#4. Next Generation Vortex Data Message (VDM)

WG/HWSOR Action Item Review

Acknowledgments

WG-HWSOR members

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