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PACIFIC REGION WEATHER FORECAST OFFICE HYDROLOGIC PRODUCTS

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SUMMARY OF REVISIONS: This supplement supersedes Pacific Region Supplement 04-2003, Pacific Region Weather Forecast Office Hydrologic Products, dated April 4, 2005, filed with NWSI 10-922.

The following changes were made in this issuance:

1. Adds section on special provisions for Pacific Region Weather Service Offices (WSOs) regarding VTEC codes, polygon coordinates, and product issuance type.
2. Changes the Hydrologic Outlook guidelines to eliminate its use for drought information.
3. Specifies the issuance of Pacific Region Flood Statements as areal advisories using the first bullet type “URBAN AND SMALL STREAM FLOOD ADVISORY” or “FLOOD ADVISORY”.
4. Removes wording indicating the use of county Universal Geographic Codes (UGC) by Weather Forecast Office (WFO) Honolulu for Flash Flood Warnings (FFW) and Flood Statements (FLS) per NWSI 10-922.
5. Removes wording requiring inclusion of expiration and update times per NWSI 10-922.
6. Adds IV-ROCS and WxCoder as possible Hydrologic Data Report 3 (RR3) data sources.
7. Removes unused headers for Micronesian WSOs from section 18.
8. Makes various editorial changes to improve supplement clarity.

Signed

7/1/10

R. Jeffrey LaDouce
Director, Pacific Region

Date

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1. Introduction. This supplement establishes guidelines and special provisions for Pacific Region offices in the generation of hydrologic text products.

2. Special Provisions for Pacific Region Weather Service Offices (WSOs). Pacific Region WSOs do not have AWIPS capability and thus have limitations in the ability to view hydrometeorological data sets and disseminate products in accordance with NWSI standards. Specifically for hydrologic products, Pacific Region WSOs will not be required to include Valid Time Event Code (VTEC) data and latitude/longitude coordinates normally inserted by AWIPS product generation software.

Furthermore, users of Pacific Region WSO products in the Republic of the Marshall Islands (RMI) and the Federated States of Micronesia (FSM) have very limited resources for receiving, decoding, and interpreting the full suite of National Weather Service climate, water, and weather products. As a result, most hydrology-related outlooks, watches, warnings, and statements will be issued as a Special Weather Statement (SPS) by WSOs serving the RMI and FSM. The sole exception is the Drought Information Statement (DGT) which will be issued as a stand-alone product.

3. Hydrologic Outlook (ESF). Hydrologic Outlooks provide information on hydrometeorological conditions that could cause flooding or impact water supply. Outlooks for possible flooding will be issued with a Flood Potential Outlook headline. Drought outlook information will not be provided in the Hydrologic Outlook. All drought information will be conveyed using the Drought Information Statement (DGT) product as prescribed in NWSI 10-1201. Data collection offices (DCO) will not issue Hydrologic Outlooks.

4. Flood Watch (FFA). Flood Watches can be issued by WFOs and WSO Pago Pago as prescribed in NWSI 10-922. In the Pacific Region, Flood Watches will only be issued for flash flooding so a Flash Flood Watch headline will be used.

5. Flash Flood Warning (FFW). WFOs and WSO Pago Pago may issue Flash Flood Warnings as prescribed in NWSI 10-922.

6. Flash Flood Statement (FFS). A Flash Flood Statement may be issued by WFOs and WSO Pago Pago as prescribed in NWSI 10-922.

7. Flood Warning (FLW). Flood Warnings are not used in the Pacific Region.

8. Flood Statement (FLS). A Flood Statement may be issued to provide information on elevated river or stream flows or ponding of water in populated areas when these events warrant public notification but are not threatening enough to warrant a warning. Flood Statements in the Pacific Region will be issued as areal advisories with the "FLOOD ADVISORY" Mass News Disseminator product type as covered in section 11 of NWSI 10-922. The type of advisory listed in the first bullet can be either an "URBAN AND SMALL STREAM FLOOD ADVISORY" or "FLOOD ADVISORY". A Flood Statement may be issued by WFOs and WSO Pago Pago.

9. Hydrologic Statements (RVS). At this time, Hydrologic Statements will not be used in the Pacific Region.

10. Hydrologic Summary (RVA). At this time, the Hydrologic Summary will not be used in the Pacific Region.
11. Daily River and Lake Summary (RVD). At this time, the RVD will not be used in the Pacific Region.
12. Hydrologic Data Report 1 (RR1). This product can be used by the WFOs, WSOs, or DCOs for collection and distribution of local observations, including local precipitation networks.
13. Hydrologic Data Report 3 (RR3). This product can be used by the WFOs and WSOs for collection and distribution of observations by cooperative observers. This includes ROSA, IV-ROCS or WxCoder collections.
14. Hydrologic Data Report 5 (RR5). This product can be used by the WFOs and WSO Pago Pago to report hourly hydrometeorological data such as those collected from automated gages such as ARCs and LARCs.
15. Hydrologic Data Report 6 (RR6). This product can be used by WFOs when ASOS precipitation rates on an ASOS report exceed a threshold.
16. Hydrologic Data Report 7 (RR7). This product can be used by WFOs for hourly ASOS precipitation reports.
17. Hydrologic Data Report 8 (RR8). This product can be used by WFOs for hydrometeorological data provided by water resource agencies.
18. Assigned Hydrologic Product AWIPS IDs and WMO Headers.

Product Name	AWIPS ID	WMO Header	Primary Issuing Office
Hydrologic Outlook	ESFHFO	FGHW70 PHFO	WFO Honolulu
	ESFMY	FGMY70 PGUM	WFO Guam
	ESFPPG	FGZS70 NSTU	WSO Pago Pago
Flood Watch	FFAHFO	WGHW60 PHFO	WFO Honolulu
	FFAMY	WGMY60 PGUM	WFO Guam
	FFAPPG	WGZS60 NSTU	WSO Pago Pago
Flash Flood Warning	FFWHFO	WGHW50 PHFO	WFO Honolulu
	FFWMY	WGMY50 PGUM	WFO Guam
	FFWPPG	WGZS50 NSTU	WSO Pago Pago

Flood Advisory	FLSHFO	WGHW80 PHFO	WFO Honolulu
	FLSMY	WGMY80 PGUM	WFO Guam
	FLSPPG	WGZS80 NSTU	WSO Pago Pago
Flash Flood Statement	FFSHFO	WGHW70 PHFO	WFO Honolulu
	FFSMY	WGMY70 PGUM	WFO Guam
	FFSPPG	WGZS70 NSTU	WSO Pago Pago
SHEF Precip. Criteria Message	RR6GUM	SRGM60 PGUM	WFO Guam
SHEF Hourly Routine Precip. Message	RR7GUM	SRGM70 PGUM	WFO Guam
Hydrologic Data Report 3	RR3HFO	SRHW50 PHFO	WFO Honolulu
Misc. Hydrologic Data Report	RRMHFO	SRHW40 PHFO	WFO Honolulu
Automated Data Report	RRAHFO	SRHW80 PHFO	WFO Honolulu

Additional headers and IDs for new products will be assigned as needed.