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To: Subscribers:
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 -NOAAPort
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From: George Jungbluth, Director
 Office of Dissemination

Subject: Soliciting comments on the proposed new Global Cache service for
WIS 2.0 services through October 24, 2025

The WMO Information System 2.0 (WIS2) is a framework for WMO data sharing in the 21st century for all WMO domains and disciplines. It supports the [WMO Unified Data policy](#), the [Global Basic Observing Network](#) and makes international, regional, and national data sharing simple, effective, and inexpensive. The WIS2 architecture consists of WIS2 Nodes, which are the data providers and a set of Global Services. The NWS has committed to providing a WIS2 Node Service that contains data for WMO "Core" and "Recommended" data as described in WMO's Unified Data Policy, a Global Broker publication/subscription service, and a Global Cache Service for the dissemination of WMO "Core" data. The NWS WIS2 Node went operational in May 2025. The NWS Global Broker went operational in July 2025. On or about September 26th, 2025, the NWS will expand its WIS2 capabilities by adding a Global Cache service that will allow customers the ability to download WMO "Core" data, as identified in the WMO Unified Data Policy, from the canonical link in Publication/Subscription message notifications. The NWS is soliciting comments on the proposed new WIS2 service through October 24, 2025.

The NWS Global Cache is an MQTT Service:
wis2cache.globaldata.nws.noaa.gov available on port 1883, SSL/TLS on port 8883, and WSS on port 443 on or about September 26, 2025. It is recommended that consumers use the [Message Queuing Telemetry Transport \(MQTT\) Explorer application](#) to make a connection to the NWS MQTT Global Broker service. The username and password credentials are everyone/everyone. Within the MQTT Explorer application, set subscribed topics to: "cache/a/wis2/#"

Feedback on the proposed WIS2.0 services can be provided via email to the following address:
nws.webfeedback@noaa.gov

National Public Information Statements are online at:

<https://www.weather.gov/notification/>

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