

THE US ANTARCTIC PROGRAM AND WIGOS

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1. OVERVIEW

Efforts are underway to evolve within the World Weather Watch (WWW) program, overseen by the World Meteorological Organization (WMO), to modernize the Global Telecommunications System (GTS) and evolve it into the WMO Information System (WIS). As a part of this evolution, the WMO Integrated Global Observing System (WIGOS) is the “framework” for collecting and disseminating data and products (which include weather observations from around the Antarctic). The preoperational phase of this effort is underway. Within the United States, the US Antarctic Program is likely to be one of the first segments of any US observing network to test and be a contributor to the WIGOS.

This presentation will introduce how WIS will be a digital data distribution method, and new WIGOS station identifiers are a key lynch pin (Figure 1). This presentation will outline how the United States is implementing the WIGOS system within the guidelines outlined by the WMO. Feedback is especially welcome by US entities that are current users of the current GTS and NOAAport data distribution systems.

As a note for users of the Antarctic-IDD system – these changes do not specifically affect this system, however, they may inform the evolution and future connections of the Antarctic-IDD to this system.

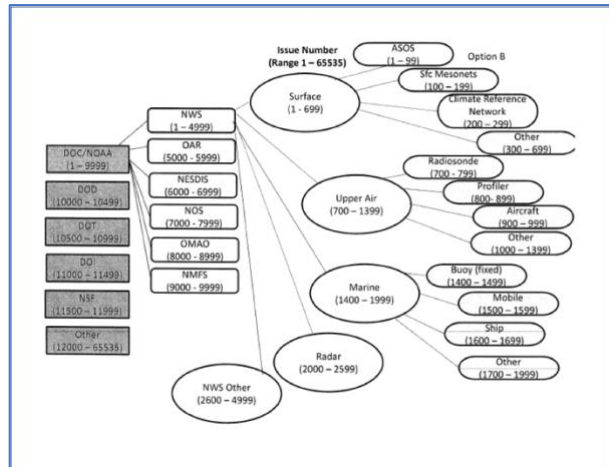


Figure 1. Hypothetical Issue Number Assignments for Issuer of Identifier

2. ACKNOWLEDGEMENTS

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3. REFERENCES

OFCMSSR, 2018: “US Federal Meteorological Data Management Practices: A Guide to Standards and Best Practices” ISSMR, COPC/WG, CASB, WG/OD, NOAA, Draft/unpublished.

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