World Meteorological Organization

ADMINISTRATIVE PROCEDURE FOR REGISTERING WMO ALERTING IDENTIFIERS

PWS-20

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1. Introduction

In applications and services which support alerting, it is necessary to identify various information objects. This document enables the registration of Object IDentifiers (OIDs) for alerting information, i.e., content included in alert messages or otherwise associated with the activity of alerting. The Registration Authority, World Meteorological Organization (WMO), maintains these OIDs and accepts requests through WMO Members for the assignment of additional OIDs for information objects relevant to alerting. This document specifies rules for the registration of all such OIDs subordinate to the alerting OID arc administered by WMO: **{joint-iso-itu-t(2) alerting(49) wmo(0)}**.

2. References

Recommendation ITU-T X.660 (2008) | ISO/IEC 9834-1:2009, Information technology – Open Systems Interconnection – Procedures for the operation of OSI Registration Authorities: General procedures and top arcs of the ASN.1 Object Identifier tree.

Recommendation ITU-T X.680 (2008) | ISO/IEC 8824-1:2008, Information technology – Abstract Syntax Notation One (ASN.1): Specification of basic notation.

Recommendation ITU-T X.674, Procedures for the registration of arcs under the alerting object identifier arc.

International Standard ISO 3166-1:2006, Codes for the representation of names of countries and their subdivisions -- Part 1: Country codes.

3. Definitions

3.1 Imported Definitions

This document uses the term "object identifier", defined in Rec. ITU-T X.680 | ISO/IEC 8824-1 and the following terms defined in Rec. ITU-T X.660 | ISO/IEC 9834-1:

a) primary integer value;

b) registration;

c) registration authority;

d) registration procedures; and,

e) secondary identifier.

3.2 Additional Definitions

- Alerting: communicating for the purpose of engendering action or raising awareness, particularly in emergency situations.

- Alerting Information: content included in alert messages or otherwise associated with the activity of alerting.

- Alerting Authority: an Organization perceived as having the power to issue alert messages.

- WMO Register of Alerting Authorities: a formal recording of information about alerting authorities, including qualifications such as official mandate, type of emergency and geographic range.

4. Abbreviations and Acronyms

For the purposes of this document, the following abbreviations apply:

- CAP, Common Alerting Protocol;

- OID, Object Identifier; and,

- RA, Registration Authority.

5. General

5.1 Purpose

This document specifies the procedures for operating the Registration Authority for object identifiers that support alerting information as administered by the World Meteorological Organization (WMO).

5.2 Contact of the Registration Authority

Note: The Registration Authority can be contacted at address:

Ms Haleh Kootval
Chief, WMO Public Weather Services Programme
7 bis, avenue de la Paix
Case postale 2300
CH-1211 Genève 2
Suisse
Tel.:   +41 22 730 8333
Fax: +41 22 730 8021
E-mail: HKootval@wmo.int
Webpage: http://www.wmo.int/pws

5.3   Assignment of Identifier Values

The Registration Authority is responsible for the assignment of primary integer values and secondary identifiers to identification schemes for alerting information under the OID alerting arc administered by WMO.

5.4   Subsequent OIDs

It is expected that subsequent OIDs will be added to the OIDs assigned by this Registration Authority, as these are valuable for alerting information at and below the levels of nations and other organizations designated by the Registration Authority.

6.   Responsibilities of the Registration Authority

6.1   Register of Alerting Authorities

The Registration Authority shall maintain a publicly accessible WMO Register of Alerting Authorities (see http://www.wmo.int/alertingorg). Entries in the WMO Register of Alerting Authorities shall contain information about alerting authorities. In collaboration with the WMO Public Weather Services Programme, entries in the WMO Register of Alerting Authorities shall be maintained by the editors designated by the Permanent Representatives (PRs) to the WMO of national WMO Members.

6.2   OIDs for Alerting Authorities of Countries

In the case of alerting authorities of countries, each entry in the WMO Register of Alerting Authorities shall include an OID `{joint-iso-itu-t(2) alerting(49) wmo(0) authority(0) country(n)}`, where *n* is the numeric country code allocated by the United Nations Statistics Division and *country*

is the ISO 3166-1 alpha-2 code. Assignment of this identifying OID is automatic upon designation of an initial editor of the WMO Register of Alerting Authorities.

Note: The numerical country codes can be found at the following web link: http://unstats.un.org/unsd/ methods/m49/m49alpha.htm and the alpha-2 country codes can be found at: http://www.iso.org/iso/country_codes.

6.3   OIDs for Alerting Messages of Countries

OIDs can be included in alerting messages based on the OID `{joint-iso-itu-t(2) alerting(49) wmo(0) country-msg(1) country(n)}` where *country(n)* is the (alpha-2 and numerical) country code associated with an alerting authority in the WMO Register of Alerting Authorities (see item 6.2 above). Assignment of this identifying OID arc is automatic upon designation of an initial editor of the WMO Register of Alerting Authorities.

6.4   OIDs for Alerting Authorities of Other Organizations

In the case of alerting authorities of organizations other than countries, each entry in the WMO Register of Alerting Authorities shall include an OID arc `{joint-iso-itu-t(2) alerting(49) wmo(0) org(2) abbrev(n)}`, where *n* is the numeric value assigned to the organization by the Registration Authority and *abbrev* is a unique abbreviation assigned by the Registration Authority. Assignment of this identifying OID arc is subject to designation of an initial editor of the WMO Register of Alerting Authorities for the organization, as well as the request and approval procedures described elsewhere in this document.

6.5   OIDs for Alerting Messages of Other Organizations

OIDs can be included in alerting messages based on the OID `{joint-iso-itu-t(2) alerting(49) wmo(0) org-msg(3) abbrev(n)}`, where *n* and *abbrev* are associated with an alerting authority in the WMO Register of Alerting Authorities (see item 6.4 above). Assignment of this identifying OID is automatic upon assignment of the OID of the associated alerting authority in the WMO Register of Alerting Authorities (see item 6.4 above).

6.6 Register of Assigned Identifiers

The Registration Authority shall also maintain a Register of the primary integer value and secondary identifiers that may be assigned to any OIDs immediately subordinate to the alerting OID administered by WMO, in addition to the two immediately subordinate OIDs described under items 6.2 and 6.3 above.

With regard to the initial assignment of primary integer values for additional immediately subordinate OIDs, the responsibilities of the Registration Authority shall be as follows:

- to receive applications for the allocation of an OID (the required content of the application is specified in 7.3); and,

- for each assigned OID, to keep a record of the assigned primary value and any secondary identifiers.

If the application is accepted according to the criteria of clause 7.1, the OID shall be allocated and a registration announcement shall be sent to the applicant as specified under 7.4.

If the application does not contain the information specified in 7.1, the application shall be rejected by sending a notice of rejection as specified in 7.7.

The Registration Authority shall perform its functions without charging any fees.

7. Application for Registration

7.1 Criteria for Acceptance

An application shall be accepted if it conforms to the procedures and specifications detailed here provided that, in the judgment of the Registration Authority, the allocation requested is to be used for an identification scheme supporting alerting information.

7.2 Submission of Application to WMO

An application for registration, containing the information specified in 7.3, shall be sent to WMO (see 5.2) as the organization providing the administrative role for the Registration Authority. The application shall be submitted by a PR to the WMO of a national WMO Member.

7.3 Application Contents

The application shall include at least the following information:

a) name of the requesting organization and its official status including any affiliation to the WMO Member;

b) name, postal mail address, e-mail address, and optionally telephone and fax numbers for the contact point within the requesting organization;

c) full identification of the person submitting the application (including their role in the requesting organization);

d) a description of the purpose and intended operation of the identification scheme for which an OID is being requested; and,

e) (optionally) desired secondary identifier(s).

Note: A secondary identifier shall consist of letters, digits and hyphens. The initial character shall be a lower-case ASCII letter (a-z). A hyphen shall not be the last character. A hyphen shall not be immediately followed by another hyphen.

7.4 Registration Announcement

The Registration Authority shall send a registration announcement to an applicant when the assignment of a new OID has been agreed. The registration announcement shall include at least the following information:

a) the name of the Organization submitting the application and the date of the application;

b) the name, postal / electronic mail address and telephone / facsimile number for the contact point within the requesting Organization;

c) full identification of the person submitting the application (including their role in the Organization);

d) the primary value assigned; and,

e)   any   confirmed   secondary
       identifier(s).

7.5 Time for Processing Applications and Publications

The evaluations by the Registration Authority are expected to be completed within eight (8) weeks of receipt of the application by the Registration Authority. The allocation and the results of the application shall then be sent to the applicant and added to as an entry in the Register.

7.6 Website

The Registration Authority shall make best efforts to provide a publicly available Web page detailing entries in the Register, with the email address protected against robot harvesting. To the extent practical, WMO will use the OID repository at http://www.oid-info.com/get/2.49.0.

7.7 Notice of Rejection

The Registration Authority shall send a notice of rejection to an applicant when the assignment of a new OID has been rejected. The notice of rejection shall include at least the following information:

a)   the name of the Organization submitting the application and the date of the application;

b)   the name, postal / electronic mail address and telephone / facsimile number for the contact point within the requesting Organization;

c)   full identification of the person submitting the application (including their role in the Organization);

d)   the desired secondary identifier(s); and,

e)   the reason for rejection.

7.8 Change of Registration Information

The scheme identified by an allocated OID shall not change significantly from the scheme identified in the original application, but supporting information, such as the information provided in item 7.3, may change from time to time. The Registration Authority shall be notified of all such changes, and shall update the Register, maintaining an audit trail of earlier information. To the extent practical, WMO will use the OID repository at http://www.oid-info.com/get/2.49.0 (link "Modify this OID" on the relevant page).

7.9 Appeals Process

In response to a notice of rejection, the applicant can submit to the Registration Authority a supplement to its original application that responds to the reason(s) for rejection.

Any subsequent appeal shall be resolved by WMO.

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