* 1. SANA Considerations
     1. General

The recommendations of this document request SANA to modify and/or create the registries as indicated below. The values in these registries, in conformance with the considerationsidentified here, will be shown at the SANA registry Web site: http://sanaregistry.org. Therefore, the reader shall look at the SANA Web site for all the assignments contained in these registries.

NOTE: At the time of publication of this recommendation, CCSDS registration policy is undergoing review and update. Readers should note that a corrigendum to this recommendation with regard to registering the information listed in this section may be pending.

Already registered values shall not be affected by this Recommended Standard.

* + 1. Registry containing originatingorganisation

The values for orginatingOrganization (see Table 3‑2) shall be those listed in the “Name” field of the CCSDS Organizations registry.

This recommendation shall add an attribute of “serviceProvider” which shall be composed of enumerated values. A “null” value shall be the first ordinal value of the list. “SchedulePublisher” shall be added to this enumerated list in whatever order is best determined by SANA engineering. All values that exist in this registry prior to the original (first) publication date of this recommendation shall have effectively have a null value assigned for this attribute.

The procedure to follow for adding new values to this registry shall be that defined in [5]. An approved entry shall have one additional step to this procedure: the “serviceProvider” attribute shall be set the enumerated value of “SchedulePublisher”.

The CCSDS Organizations registry can be found at the following URL: <http://sanaregistry.org/r/organizations/organizations.html>

* + 1. REGISTRY containing user

The values for the “user” parameter (see table 3‑3) shall be as those defined in the CCSDS Spacecraft Identifiers registry, specifically with regard to the “Spacecraft Name” field of this registry.

The procedure to follow for adding new values to this registry shall be that defined in [6].

In addition to the values for the “user” parameter contained in the CCSDS Spacecraft Identifiers registry, the following values shall be recognized by implementations (see also table 3‑3):

|  |  |
| --- | --- |
| **user** | **Description** |
| UNALLOCATED | Indicates that the time is unallocated. |
| PROVIDER-CSSS | Indicates that the time is allocated for the Provider CSSS. |

The CCSDS Spacecraft Identifiers registry can be found at the following URL: <http://sanaregistry.org/r/spacecraftid/spacecraftid.html>

* + 1. sites and apertures registry

This recommendation requests the creation of the CCSDS Sites and Apertures registry. Each record in this registry shall be as described in Tables xx1 and xx2 . Both the Site Name and Site Name Abbreviations fields shall be supplied. All Site Name and Site Name Abbreviations shall be unique (non-duplicative) with respect to any other Site Name or Site Name Abbreviation in the registry. The Notes field may be supplied (ie it is optional). The values for the stationRef parameter of this recommendation are those of the Site Name Abbreviation.

|  |  |
| --- | --- |
| Site Name: | a string of between 1 and 64 characters in length. |
| Site Name Abbreviation | A string of between 1 and 16 characters in length |
| Notes: | a string of text of between 1 and 1024 characters in length describing the stationRef and antennaRef. |

Each Site Name record shall contain at least one Aperture Name sub-record as described in Table xxx. It may contain as many subrecords as needed to list as many apertures found at one site as needed. Both the Aperture Name and Aperture Name Abbreviations fields shall be supplied. The Aperture Name and Aperture Name Abbreviations shall be unique with respect to any other Aperture Name or Aperture Name Abbreviations for the particular Site Name record. The Notes field may be supplied.

|  |  |
| --- | --- |
| Aperture Name | a string of between 1 and 64 characters in length. |
| Aperture Abbreviation | A string of between 1 and 16 characters in length |
| Notes: | a string of text of between 1 and 1024 characters in length describing the stationRef and antennaRef. |

The values for the apertureRef parameter of this recommendation are those of the Aperture Name Abbreviation.

Requests to add assignments to the Sites and Apertures registry shall be submitted to SANA and shall come from a member Agency, or an observer Agency, or a CCSDS Associate, or an industry partner supported by a member Agency, via the Agency Head of Delegation or duly appointed representative. After evaluation of the request and approval by the SANA steering Group, the new values will be allocated and added to the appropriate registry.

The CCSDS Sites and Apertures registry can be found at the following URL: <http://sanaregistry.org/xxx>

NOTE: At the time of writing of this recommended standard CCSDS is reviewing and revising the SANA registry definitions and maintenance policies. The Sites and Apertures registry is designed with this revision in mind, however it is anticipated that a corrigendum will be issued once citing the official policy and subsequent definition of this registry. It is anticipated any values defined in this registry prior to the corrigendum will be retained.

* + 1. Use Of Values Not Contained in The RegistrIes

Only values that have been registered should be used for the originatingOrganization, user and apertureRef parameters. Unregistered values for the originatingOrganization, user and apertureRef parameters, may be used. If unregistered values are used they should be prefixed with the string "UNR::".

NOTES –

1. "UNR::" indicates an unregistered value;
2. this helps eliminate potential confusion in a multi-agency cross support context;
3. use of unregistered values is not recommended and should be avoided if possible.