Re-entry Data Message

TECHNICAL CORRIGENDUM 1

The Management Council of the Consultative Committee for Space Data Systems (CCSDS) has authorized the publication of technical corrigendum 1 to CCSDS 508.1-B-1, issued November 2019.

Page 1-5


Page 4-1, subsection 4.1, change

from:

https://sanaregistry.org/r/ndmxml/ndmxml-1.0-rdm-1.0.xsd

to:

– https://sanaregistry.org/r/ndmxml_unqualified/ndmxml-2.0.0-rdm-1.0.xsd for messages with elements not qualified with respect to a namespace;

– https://sanaregistry.org/r/ndmxml_qualified/ndmxml-2.0.0-rdm-1.0.xsd for messages with elements qualified with respect to a namespace.

NOTE – Reference [13] subsection 4.3 has more information regarding messages with elements qualified with respect to a namespace.
**Page 4-2, after subsection 4.3.3.2, add**

4.3.3.3 For messages with elements qualified with respect to a namespace, the NDM/XML namespace must next be coded, exactly as shown:

```xml
xmlns:ndm="urn:ccsds:schema:ndmxml"
```

The value that follows the `xmlns:` in the NDM/XML namespace (‘ndm’ in this case) is a prefix that must be used on every XML tag.

**NOTE** – This `xmlns:ndm` setting is only necessary for messages with elements qualified with respect to a namespace, but it does not hurt anything for it to appear on any NDM/XML instantiation.

**Page 4-3, subsection 4.3.3.3 (4.3.3.4 after change above), change**

from:

```xml
xsi:noNamespaceSchemaLocation="https://SANAregistry.org/r/ndmxml/ndmxml-1.0-master.xsd"
```

to:

- ```xml
  xsi:noNamespaceSchemaLocation="https://sanaregistry.org/r/ndmxml_unqualified/ndmxml-2.0.0-master-2.0.xsd" for messages with elements not qualified with respect to a namespace;
  ```
- ```xml
  xsi:noNamespaceSchemaLocation="https://sanaregistry.org/r/ndmxml_qualified/ndmxml-2.0.0-master-2.0.xsd" for messages with elements qualified with respect to a namespace.
  ```
NOTE – The following example root element tag for an RDM instantiation combines all the directions in the preceding several subsections for messages with elements not qualified with respect to a namespace:

```xml
<?xml version="1.0" encoding="UTF-8"?>
    id="CCSDS_CDM_VERS" version="1.0">
```

to:

NOTES

1. The following example root element tag for an RDM instantiation combines all the directions in the preceding several subsections for messages with elements qualified with respect to a namespace:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<rdm xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:noNamespaceSchemaLocation="https://sanaregistry.org/r/ndmxml_unqualified/ndmxml-2.0.0-master-2.0.xsd"
    id="CCSDS_RDM_VERS" version="1.0">
```

2. The following example root element tag for a CDM instantiation combines all the directions in the preceding several subsections for messages with elements qualified with respect to a namespace:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<rdm xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:ndm="urn:ccsds:schema:ndmxml"
    xsi:noNamespaceSchemaLocation="https://sanaregistry.org/r/ndmxml_qualified/ndmxml-2.0.0-master-2.0.xsd"
    id="CCSDS_RDM_VERS" version="1.0">
```
Page C-3, figure C-4, change
from:

    id="CCSDS_RDM_VERS"

to:

    id="CCSDS_RDM_VERS"