

Tracking 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 503.0-B-2, issued June 2020.

Page 1-6

Update reference [9] with current issue.

Page 5-1, subsection 5.1, change

from:

<https://sanaregistry.org/r/ndmxml/ndmxml-1.0-tdm-2.0.xsd>

to:

- https://sanaregistry.org/r/ndmxml_unqualified/ndmxml-2.0.0-tdm-2.0.xsd for messages with elements not qualified with respect to a namespace;
- https://sanaregistry.org/r/ndmxml_qualified/ndmxml-2.0.0-tdm-2.0.xsd for messages with elements qualified with respect to a namespace.

NOTE – Reference [9] subsection 4.3 has more information regarding messages with elements qualified with respect to a namespace.

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NOTE – Current versions of CCSDS documents are maintained at the CCSDS Web site:

<http://www.ccsds.org/>

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TECHNICAL CORRIGENDUM 1 TO CCSDS 503.0-B-2 (Continued)

Page 5-2, after subsection 5.3.3.2, add

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

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

The value that follows the 'xmlns:' in the NDM/XML name space ('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 5-2, subsection 5.3.3.3 (5.3.3.4 after change above), change

from:

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

to:

- `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;
- `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.

TECHNICAL CORRIGENDUM 1 TO CCSDS 503.0-B-2 (Continued)

Page 5-3, subsection 5.3.3.6.2 (5.3.3.7.2 after change above), change

from:

NOTE – The following example root element tag for a TDM instantiation combines all the directions in the preceding several subsections:

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

to:

NOTES

- 1 The following example root element tag for a TDM instantiation combines all the directions in the preceding several subsections for messages with elements not qualified with respect to a namespace:

```
<?xml version="1.0" encoding="UTF-8"?>
<tdm 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_TDM_VERS" version="2.0">
```

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

```
<?xml version="1.0" encoding="UTF-8"?>
<tdm 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_TDM_VERS" version="2.0">
```

TECHNICAL CORRIGENDUM 1 TO CCSDS 503.0-B-2 (Continued)

Page E-21, figure E-21, change

from:

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

to:

```
xmlns:ndm="urn:ccsds:schema:ndmxml "  
xsi:noNamespaceSchemaLocation="https://sanaregistry.org/r/ndmxml_  
unqualified/ndmxml-2.0.0-master-2.0.xsd"
```

Page E-23, figure E-23, change

from:

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

to:

```
xsi:noNamespaceSchemaLocation="https://sanaregistry.org/r/ndmxml_  
unqualified/ndmxml-2.0.0-master-2.0.xsd"
```