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| aseXML SCHEMA CHANGE REQUEST – CR62  |

February 2018

NOS

Change request document for NOS related schema objects

Version Control

|  |  |  |
| --- | --- | --- |
| Version | Release date | Changes |
| #1.0 | 28/02/2018 | Initial request |
| #1.1 | 13/04/2018 | Modifications after ASWG meeting |
| #1.2 | 12/10/2018 | Final for publication |

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# Change Proposal

This Change Proposal is to accommodate some TNSP requests in NOS

## Description of the proposed change

The proposed changes are listed in the following table.

|  |  |  |
| --- | --- | --- |
| **Item#** | **Change Description** | **Change Type[[1]](#footnote-1)** |
| 1 | Add “Voltage Control” to Outage booking reason (EnumReasonType) | Enhancement |
| 2 | Add “Other” to Outage booking scope of work (EnumScopeOfWorkType) | Enhancement |
| 3 | Add Boolean option “UnplannedOutage” to “BookingType” to indicate Unplanned Outages | Enhancement |
| 4 | Add Boolean option “ProjectWork” to “BookingType” to indicate Project related work | Enhancement |

1. Proposed Changes

### First change description

Add new enumeration item “Voltage Control” as an option in the simple type EnumReasonType.

### Second change description

Add new enumeration item “Other” as an option in the simple type EnumScopeOfWorkType.

### Third change description

Add new element UnplannedOutage in to the complex type BookingType

### Fourth change description

Add new element ProjectWork in to the complex type BookingType

## Reason for Change

1. TNSPs has request the ability to select “Voltage Control” as the reason of electricity network outages. This is due to AEMO control room requesting TNSPs to take network equipment out of service to maintain secure voltage level in some part of the grid.
2. TNSPs has request to select “Other” as electricity network outage scope of work.
3. AEMO power system operation team request to have ability to distinguish between planned outages and unplanned outages
4. AEMO power system operation team request to have ability to distinguish projects related outages

## Supplied Documents

### Business process document

This document contains all business requests received from AEMO and TNSPs on NOS enhancements. Some enhancements require aseXML schema changes. [http://sharedocs/sites/op/sd/Projects/NOS%20project/NOS%20enhancement%202015/Older-Superseded/NOS%20Enhancement%20wishlist%20(2016-2017).docx](http://sharedocs/sites/op/sd/Projects/NOS%20project/NOS%20enhancement%202015/Older-Superseded/NOS%20Enhancement%20wishlist%20%282016-2017%29.docx)

### Other

## Baseline Schema

The schema used as a basis for this proposal is v37

# Approval Proposal

## Proposed Change #1[[2]](#footnote-2)

### Draft schema

Draft aseXML\_r38

### Change log

The following changes have been implemented in this draft:

|  |  |  |  |
| --- | --- | --- | --- |
| **Chg #** | **Item #** | **Description of change** | **Filename** |
| 1 | 1,2 | Added enum entry "Voltage Control" to simple type EnumReasonType and added enum entry “Other” to simple type EnumScopeOfWorkType | NOSCommon\_r38.xsd |
| 1 | 3,4 | Added elements UnplannedOutage and ProjectWork to complex type BookingType | NOSBooking\_r38.xsd |
| 1 | 1,2,3,4 | Added r38 release identifier in the Event schema.File version changed from r37 to r38 | Events\_r38.xsd |
| 1 | 1,2,3,4 | Changed version type to r38 for version type NOSBookingSubmissionNOSInfoResponse | NOSBooking\_r38.xsdNOSAssessment\_r38.xsd |

1. Change Log

### Schema change description

#### NOSCommon\_r38.xsd

* Added enum entry "Voltage Control" to simple type EnumReasonType and added enum entry “Other” to simple type EnumScopeOfWorkType. File changed NOSCommon\_r38.xsd

#### NOSBooking\_r38.xsd

* Added elements UnplannedOutage and ProjectWork to complex type BookingType. File changed NOSBooking\_r38.xsd



Figure 2‑1 File 2 Change Figure

### Impact Summary

This table identifies the files, transactions and versioned types that are potentially impacted as the result of these changes, where:

* Modified types - is a full list of types changed by this Change Request
* Derived types – is a list of any types that are derived from a modified type, and are therefore also modified by default
* Versioned types affected – is a list of all versioned types that will need to have the version attribute updated as a result of this Change Request
* Transactions potentially affected – is a list of all transactions that contain a modified type, either directly or via a type substitution
* Schema files affected – is a list of schema files that will be changed in some way as a result of this Change Request.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Modified types** | **Derived types** | **Versioned types affected** | **Transactions potentially affected** | **Schema files affected** |
| EnumReasonType | BookingType | NOSBookingSubmissionNOSInfoResponse | NOSBookingSubmissionNOSInfoResponse | NOSBooking\_r38.xsdNOSAssessment\_r38.xsd |
| EnumScopeOfWorkType | BookingType | NOSBookingSubmissionNOSInfoResponse | NOSBookingSubmissionNOSInfoResponse | NOSBooking\_r38.xsdNOSAssessment\_r38.xsd |
| BookingType | NOSBookingSubmissionNOSInfoResponse | NOSBookingSubmissionNOSInfoResponse | NOSBookingSubmissionNOSInfoResponse | NOSBooking\_r38.xsdNOSAssessment\_r38.xsd |
| r38 |  |  |  | Events\_r38.xsd |
|  |  |  |  | aseXML\_r38.xsd |

1. Impact Summary

### Developer Test

#### Test Platforms

The new schema has been tested using the following platforms as advised by ASWG:

* XMLSpy 2014

#### Test Cases

NOSBooking\_r38\_1.xml – Using “Voltage Control” as Booking reason, valid file

NOSBooking\_r38\_2.xml – Using “Other” as scope of work, valid file

NOSBooking\_r38\_3.xml – With UnplannedOutage and ProjectWork tags, valid file

# Proposal Assessment

## Test

The ASWG ensures that all recommended parsers on relevant platforms can successfully validate the proposed schema.

### Test Platforms

 Supplied samples have been tested using the following parsers:

* MSXML 4.0 SP1
* Xerces 1.4.1
* Xerces 2.2.1
* XMLSpy 2004

### Test Cases

As per section 2.1.5.2.

### Test Results

No issues.

## Conformance Report

The ASWG completes the conformance report validating each proposed new schema file against the published aseXML guidelines.

|  |  |  |
| --- | --- | --- |
| **Schema Filename** | **Impacted by Item #** | **Conformance Details** |
| aseXML\_r\*.xsd |  | Conforms |
|  |  |  |

1. Change Proposal Conformance Details

# Issue Register

This section describes any issues that have arisen and any modifications that are made to the original proposal during the Change Process

## Status of Issues

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Issue#** | **Item#** | **Description and Discussion** | **Status[[3]](#footnote-3)** | **Resolution** |
| 1 |  |  |  |  |

1. Issues list

# Resolution

The ASWG votes for endorsement of the options identified in section 2, and the voting results are forwarded to AEMO for approval. When 75% of those ASWG members who voted endorse a specific option, this represents an ASWG Recommendation for that option. AEMO will not reject an ASWG Recommendation without first consulting with the ASWG.

## ASWG Endorsement

The results of the ASWG vote are as follows:

Date of Vote: 12/10/2018

|  |  |  |
| --- | --- | --- |
| **Option** | **# Votes** | **% Vote** |
| Approved | 4 | 100 |
| Rejected | 0 |  |
| Abstained | 0 |  |
| Total Members Present | 4 |  |

1. ASWG Vote Results

Glossary

|  |  |
| --- | --- |
| Term | Definition |
| NOS | Network Outage Scheduler |
| TNSP | Transmission Network Service Provider |

1. Change Type can be one of

New

Enhancement, or

Bug Fix [↑](#footnote-ref-1)
2. This section may be repeated if more than one option is considered [↑](#footnote-ref-2)
3. Either ‘Open’ or ‘Closed’ [↑](#footnote-ref-3)