
Schema Change Request

Document ID	CR#6
Change Type	“Enhancement”
Title	
Date	7 October, 2003
Prepared By	Anne Waller

PRIORITY

<i>Notes</i>

Document Control

Version	Date	Author	Summary of Change
0.1	03/7/2003	Anne Waller	Created the initial document and completed all sections for ASWG approval and acceptance as "final"

Document Status

Sample Change Request Management (CRM) State Descriptions:

State	Definition	Access Control
Submit Proposal	This state occurs as the result of a new Change Request submission. Change Request is placed in the CCB Review queue. No owner assignment takes place as a result of this action.	All Users
Reject Proposal	A Change Request in this state is determined by in the CCB Review Meeting or by the assigned team member to be an invalid request or more information is needed from the submitter. If confirmed invalid, the Change Request will be <i>Closed</i> by the CCB and the submitter notified.	
Closed	Change Request no longer requires attention. This is a final state a Change Request can be assigned.	
Approved Proposal	A Change Request is then assigned a baseline and the schedule update, if appropriate.	
Proposal Assessment	This state occurs as the result of update of an existing Change Request with all implementation details, i.e. change log, release notes, dependency analysis. Change Request is placed in the CCB Review queue.	
Proposal Rejected	A Change Request in this state has been <i>Rejected</i> and needs rework. As a result the Change request can be resubmitted for assessment at <i>Proposal Assessment</i> state for next iteration or <i>Closed</i> .	
Proposal Accepted	A Change Request in this state has been <i>Approved</i> and is ready to be published in a draft release.	
Published	Change Request no longer requires attention. This is a final state a Change Request can be assigned.	

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1. Change Proposal

A Change Proposal is a ASWG managed “Parcel” of work. The Originator of the Change Proposal defines the “Parcel” of work. The industry Working Groups and Market Operators (or its vendor) can act as Originator. The Originator and the ASWG

1.1. Description of the proposed change

This section describes the proposed changes from business perspective.

Table 1-1, Proposed Changes

Item#	Change Description	Change Type
1.	Add 3 CSV data elements to the existing transaction <i>NetworkDUoSBillingNotification</i>	Enhancement

1.2. Reason for Change

To ensure that the R12 schema is capable of supporting the new business procedures associated with Network Billing.

This proposal was first proposed and agreed between ITDF parties at the FRC instigation

Perceived benefits:

- Introduces an automated network charge dispute mechanism for every individual charge in a network bill.
- Replaces the current manual processes involved in accumulating disputed charges/transactions and sending them to a DB.
- Allows network bills to be validated and cleared for remittance more effectively, with only individual charges held for dispute

1.3. Supplied Documents

1.3.1 Business process document

1. Refer Int13.doc in zip file from the ITDF

1.4. Impact assessments on Participant's systems

1.4.1 Business Impact

Automation of Network Billing procedures

1.4.2 Technical Impact

RB/DB interfaces may need to be modified so that they have the capability to receive and send the new transactions. Also back-end systems may need to be modified to trigger and process files.

1.5. Affected Configuration Items (Baseline)

The ASWG identifies and outlines the configurable items (schema namespace and version) to be used for the implementation of the proposed changes.

1.5.1 Schema

It is assumed that the proposed changes would be incorporated in the aseXML schema release r11 from <http://www.nemmco.com.au/aseXML/> with CR#6 and become release R12.

2. Approval Proposal

2.1. Description of the proposed approval

The table below defines the action in relation to each change item as listed in the Description of the proposed change section.

Table 2-1, Proposed Change Approval

Item#	Proposal Notes	Category	Action
1.	Update the NetworkDUoSBillingNotification to include additional CSV data elements <ul style="list-style-type: none">○ CSVNetworkDUoSDataDisputeNotification/CSVData○ CSVNetworkDUoSDataDisputeResolution/CSVData○ CSVNetworkDUoSDataPaymentAdvice/CSVData	Enhancement	Approved

2.2. Configuration Items (New Baseline)

2.2.1 Draft schema

The aseXML r12_CR#6 schema – “Draft” release is attached.

2.2.2 Schema change description

Three new CSV Data elements to be added to NetworkDUoSBillingNotification:

- CSVNetworkDUoSDataDisputeNotification/CSVData
- CSVNetworkDUoSDataDisputeResolution/CSVData
- CSVNetworkDUoSDataPaymentAdvice/CSVData

These data elements being added to NetworkDUOSBilling in accordance with the format agreed to by participants at the ITDF approximately 9 months previous.

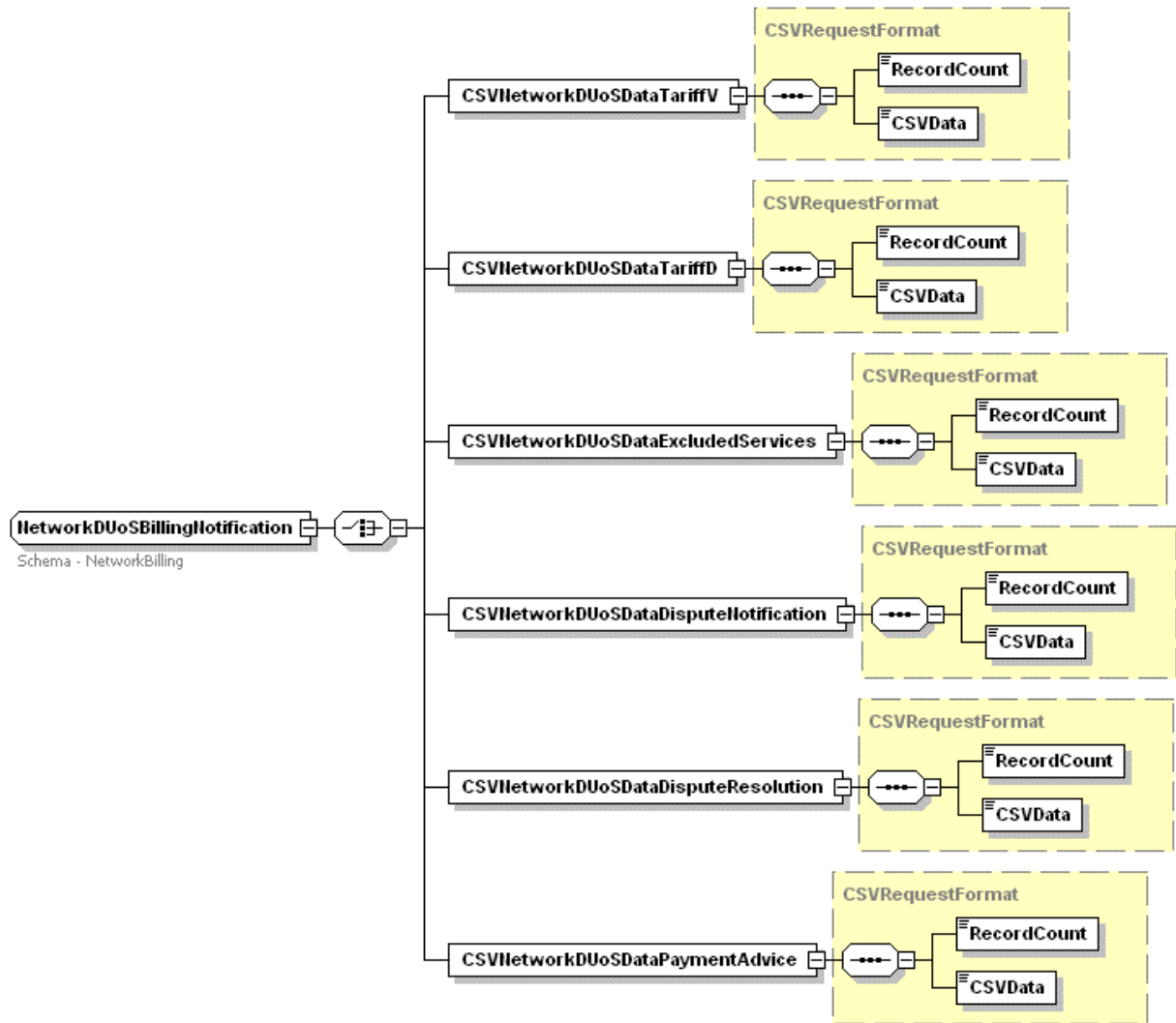


Figure 2-1, NetworkDUoS Billing Notification in NetworkBilling_r12.xsd.

2.2.3 Change log

All changes to this document as submitted to ASWG have been change marked and listed in the Document Control section.

The following changes constitute the comprehensive list of changes.

Table 2-2, Schema Change Log

Chg. No	Description	FileName	Item#
1	AseXML namespace change to urn:aseXML:r12 and include modified files	aseXML	1
2	Added type definition for Release Identifier value "r12"	Events	1
3	Version attribute of the transaction <i>NetworkDUoSBillingNotification</i> set to r12.	NetworkBilling	1
4	Insert 3 new CSV data elements in the <i>NetworkDUoSBillingNotification</i> <ul style="list-style-type: none"> o CSVNetworkDUoSDataDisputeNotification/CSVData o CSVNetworkDUoSDataDisputeResolution/CSVData o CSVNetworkDUoSDataPaymentAdvice/CSVData 	NetworkBilling	1

2.2.4 Dependency analysis

The following table summarizes identified impact of the changes.

Table 2-3, Dependency Analysis

Chg. No	Description	Used by Versioned Types	Transactions
1	Insert 3 new CSV data elements in the NetworkDUoSBillingNotification <ul style="list-style-type: none">○ CSVNetworkDUoSDataDisputeNotification/CSVData○ CSVNetworkDUoSDataDisputeResolution/CSVData○ CSVNetworkDUoSDataPaymentAdvice/CSVData	NetworkDUoSBillingNotification	NetworkDUoSBillingNotification

2.3. Test

2.3.1 Test Platforms

The proposed schema and supplied sample instance documents have been tested using the following parsers:

- Xerces-J 1.4.4
- Xerces-J 2.2.1
- MSXML 4 SP1
- XML Spy version 4.3

2.3.2 Test Cases

The following new sample xml documents have been supplied by the change proposer and have been tested using the specified parsers. Also downloaded the XML examples from Nemmco site for regression validation purposes.

New Test XML's:

- NetworkDUoSBillingNotification_Dispute_r12.xml
- NetworkDUoSBillingNotification_DisputeRes_r12.xml
- NetworkDUoSBillingNotification_PaymentAdvice_r12.xml

The files available in zip file path ...r12\XMLDocs.

3. Proposal Assessment

3.1. Test

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

3.1.1 Test Platforms

The proposed schema and supplied sample instance documents have been tested using the following parsers:

- Xerces-J 1.4.4
- Xerces-J 2.2.1
- MSXML 4 SP1
- XML Spy version 5.4

3.1.2 Test Cases

The following new sample xml documents have been supplied by the change proposer and have been tested using the specified parsers.

3.2. Conformance Report

THE ASWG COMPLETES THE CONFORMANCE REPORT VALIDATING EACH PROPOSED CHANGE AGAINST THE PUBLISHED ASEXML GUIDELINES.

Table 3-1, Change Proposal Conformance Details

Schema Filename	Impacted by Item #	Conformance Details
aseXML_r12.xsd	1	
Events_r12.xsd	1	
NetworkBilling_r12.xsd	1	

4. Review Disposition

The ASWG assists developers with schema related queries and confirms appropriateness of development against criteria.

4.1. Description of Changes - Approved and Accepted

Table 4-1, Review Notes for proposed approvals

Item#	Reviewer's Comment	Status
1.		

Note: Item# is a reference to items listed in the Description of the proposed approval.

4.2. Impact assessments on Participant's systems

The ASWG seeks the market participants' input on the expected business and technical impacts.

4.2.1 Business Impact

As identified in section 1.4.1

4.2.2 Technical Impact

As identified in section 1.4.2

4.3. Supplied Documents

See Configuration Items (New Baseline) for details. Once the schema is being reviewed, the draft version of the schema is to be published. The audience and means of publication is decided on a case-by-case basis. The general rule is to promote participant's early access to the proposed changes.

Note: For the schema to be published, it must be ready for "Approval".

5. Resolution

The ASWG provides a resolution for each change item contained in the Approval Proposal. The resolution is forwarded to the Originator for implementation considerations as required by respective Change Management Process.

5.1. Changes Approved and Accepted

The ASWG compiles the list of change items proposed for approval together with their resolution status in the table below.

Note: Item# is a reference to items listed in the Description of Changes - Approved and Accepted.
Table 5-1, Change Log with Approval Status

Chg. No	Description	FileName	Item#	Status
1	AseXML namespace change to urn:aseXML:r12 and include modified files	aseXML	1	
2	Added type definition for Release Identifier value "r12"	Events	1	
3	Version attribute of the transaction <i>NetworkDUoSBillingNotification</i> set to r12.	NetworkBilling	1	
4	Insert 3 new CSV data elements in the <i>NetworkDUoSBillingNotification</i> <ul style="list-style-type: none"> ○ CSVNetworkDUoSDataDisputeNotification/CSVData ○ CSVNetworkDUoSDataDisputeResolution/CSVData ○ CSVNetworkDUoSDataPaymentAdvice/CSVData 	NetworkBilling	1	