Information Framework (SID) Suite

Release Notes for Release 12.5

RN310

Version 2.21

tmforum

November, 2012

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Table of Contents

1. Introduction

This document provides the overview content of the Information Framework (also known as SID) and it will identify the changes introduced in this current release.

For details on packaging and accessing the documents please refer to the Information Framework Read Me First note which can be found in the Getting Started Pack zip file and in the Domain Addenda zip file.

To have an overview on future work please refer to the Information Framework Charter.

2. Overview of Information Framework (SID) Suite Release 12.5

The Information Framework (also known as SID) is the ongoing TM Forum initiative to deliver an information model or framework for use by service providers and others within the Information Communications, and Entertainment industries.

2.1. Key Driving Forces in this Release

This release of the Information Framework Suite builds on previous releases.

It also represents a transitional release that moves to the use of Rational Software Architect, replacing the no-longer supported Rational Software Modeler (RSM).

Release 12.5 represents a major release of the Information Framework, with the incorporation of numerous change requests resulting in one new guide books (addenda) as well as enhancements to many existing addenda, summarized in the following sections of this document.

Key driving forces in this release based on increased industry use of the Information Framework include the need to support:

- A Customer Dunning model

- A Supplier/Partner Community model

- A unified Catalog model

- Updates to support Performance Management

- Addition of Security Vulnerability Scoring to Enterprise Security

- Continued updates to improve the quality of the Information Framework.

2.2. Summary of Changes Request in This Release

Element (sub-suite or individual document of a suite as appropriate)	CR Number (if applicable)	Summary Description
GB922CP Concepts & Principles		
GB922D Information Framework Model Differences		
GB922-0P – Primer		
GB922 – 1A Common Business Entity Definitions - Agreement		
GB922-1BI Common Business Entity Definitions – Business Interaction		
GB922-1BT Common Business Entity Definitions – Base Types		
GB922 – 1CAP – Common Business Entity Definitions - Capacity		
GB922- - 1Catalog Common Business Entity Definitions - Catalog	http://collab.tmforum.org/sf/go/artf3507?nav=1&_pagenum=1&returnUrlKey=13491059955310	Unified catalog modeling. Develop Information Framework enhancements as part of the Catalog Management interface work.
TIP_Common_IA - TIP Common Model Information Agreement	http://collab.tmforum.org/sf/go/artf3441	Includes File Transfer Schedule Definition
GB922-1J Project Business Entity Definitions		
GB922-1L – Common Business Entity Definitions - Location		
GB922-1R Root Common Business Entity Definitions - Root		
GB922-1P Common Business Entity Definitions - Party		
GB922-1 Performance - Common Business Entity Definitions - Performance	http://collab.tmforum.org/sf/go/artf3443 http://collab.tmforum.org/sf/go/artf3442	inclusion of the Performance Management information model (production and collection) in SID 12.5 (artf3443) Inclusion of Management Job (artf3442)

Element (sub-suite or individual document of a suite as appropriate)	CR Number (if applicable)	Summary Description
TIP_PM_Mon_IA, TIP Performance Management Monitoring Information Agreement	http://collab.tmforum.org/sf/go/artf3443	inclusion of the Performance Management information model (production and collection) in SID 12.5 (artf3443)
GB922-1POL – Common Business Entity Definitions - Policy		
GB922-1T Time Related Business Entity Definitions	http://collab.tmforum.org/sf/go/artf3441	Added Schedule Definition
GB922-1U Users Guide		
GB922-UR Users and Roles Business Entity Definitions		
GB922-1Usage Usage Business Entity Definitions		
GB922-2 Customer Business Entity Definitions	http://collab.tmforum.org/sf/go/artf2594	Added Customer Dunning ABE
GB922-3 Product Business Entity Definitions	http://collab.tmforum.org/sf/go/artf3507?nav=1&_pagenum=1&returnUrlKey=1349105995310	Removed Product Catalog documentation from guide book
GB922-4SO Service Overview Business Entity Definitions		
TIP-SPM-IA Service Problem Management Information Agreement (note Service Problem Management Information Agreement used as the SID addendum)		
GB922–4S-QoS Quality of Service		
GB922-5LR Logical Resource and Compound Resource Business Entity Definitions		
GB922-5PR Physical Resource Business Entity Definitions		
TIP-RAM-IA – Resource Alarm Management		
TIP-MPAC-IA – Maintenance, Protection and Alarm Control		
GB922-6 Market/Sales Business Entity Definitions		
GB922-7RA SID: Enterprise Domain Revenue Assurance Business Entities		

Element (sub-suite or individual document of a suite as appropriate)	CR Number (if applicable)	Summary Description
GB922- 7 Security		
GB922-7 Workforce		
GB922-8 Supplier Partner Business Entity Definitions		
GB922 – X SID XSD Schema Overview		

| Element
(sub-suite or individual document of a suite as appropriate) | CR Number
(if applicable) | Summary Description |
|---|---|---|
| SID Models
Rational Software Modeler, EMX
Rational Software Architect, EMX, UML2, XMI, HTML, XSD (2) | http://collab.tmforum.org/sf/go/artf3507?nav=1&_pagenum=1&returnUrlKey=13491059 95310
http://collab.tmforum.org/sf/go/artf3441
http://collab.tmforum.org/sf/go/artf3443
http://collab.tmforum.org/sf/go/artf3442
http://collab.tmforum.org/sf/go/artf2594
http://collab.tmforum.org/sf/go/artf3507?nav=1&_pagenum=1&returnUrlKey=13491059 95310 | See above notes. These CRs represent model and addendum changes described above. |

Element (sub-suite or individual document of a suite as appropriate)	CR Number (if applicable)	Summary Description
SID UML and other model formats	Model only CRs: http://collab.tmforum.org/sf/go/artf3460	The SID 12.5 trunk has a number of non-navigable associations. At least one end should be navigable.
	http://collab.tmforum.org/sf/go/artf3459	In Tigerstripe, primitive datatypes are not defined in the model as they are primitives. So a SID primitive datatype is not imported. So there should be an exact match between the primitive datatypes in SID and the ones in JOSIF, but this is not the case
	http://collab.tmforum.org/sf/go/artf3155	Today in SID 12.0, ObjectName and AttributeValuePair are part of the Framework ABE under the TIP Common ABE (Qualified Name: SID Models::Common Business Entities Domain::TIP Common ABE::Framework ABE). ObjectName is primitive datatype and AttributeValuePair a datatype. These 2 datatypes must be moved in the Base Types ABE. The datatype ResourceFulfillmentState must be moved to the NRB ABE (Qualified Name SID Models::Resource Domain::Resource ABE::TIP Resource ABE::Network Resource Basic ABE)
	http://collab.tmforum.org/sf/go/artf3422	A number of ABE packages in the model do not follow the convention of having ABE as a name suffix. Implementation of this CR will add the suffix to the object names in the model to normalize the situation.

3. Release Definition

3.1. Document Release Description

The following table outlines the contents of the Information Framework (SID) Suite.

Document	Name	Version	Document Status	Date	New/ Updated in this release
READ_ME_FIRST _NOTE	READ ME FIRST NOTE Information Framework	2.4	Reference Material	November 2012	√
RN310	Information Framework (SID) Suite Release Notes	2.21	Reference Material	November 2012	√
GB922 CP	Information Framework (SID): Concepts & Principles	7.4	TM Forum Approved	October 2012	
GB922- D	Information Framework Model Differences	1.1	Reference Material	November 2012	√
GB922 – 0	Primer for the Information Framework (SID)	1.6	TM Forum Approved	September 2011	
GB922 – 1A	SID Agreement	6.7	TM Forum Approved	September 2011	
GB922 – 1BI	SID Business Interaction	6.11	TM Forum Approved	October 2012	
GB922 – 1BT	SID Business Entity Base Types	4.5	TM Forum Approved	September 2011	
GB922 – 1CAP	Common Business Entity Definitions - Capacity -	1.2	TM Forum Approved	October 2012	
GB922 – 1Catalog	Catalog Business Entities	1.1	Member Evaluated	October 2012	√
TIP_Common_IA	TIP Common Model Information Agreement	1.1	Member Evaluated	August 2012	√
GB922 – 1J	SID Project	2.2	TM Forum Approved	September 2011	
GB922 – 1L	SID Location	3.5	TM Forum Approved	September 2011	
GB922 – 1P	SID Party	9.7	TM Forum Approved	September 2011	
GB922 – 1 Performance	Performance Business Entities	1.10	Member Evaluated	October 2012	√
TIP_PM_Mon_IA	Performance Management Monitoring Information Agreement	1.0	Member Evaluated	September 2012	√
GB922 – 1POL	SID Policy	1.4	TM Forum Approved	September 2011	
GB922 – 1R	SID Root Business Entities	9.7	TM Forum Approved	September 2011	

Document	Name	Version	Document Status	Date	New/ Updated in this release
GB922 – 1T	SID Time Related Entities	1.7	Member Evaluated	October 2012	√
GB922 – 1U	Using the Information Framework (SID))	8.6	TM Forum Approved	September 2011	
GB922 – 1UR	Users and Roles	1.3	TM Forum Approved	October 2012	
GB922 – 1 Usage	Usage Business Entities	9.4	TM Forum Approved	September 2011	
GB922 – 2	SID Customer	10.1	Member Evaluated	October 2012	√
GB922 – 3	SID Product	9.11	Member Evaluated	October 2012	√
GB922 – 4SO	SID Service Overview	9.7	TM Forum Approved	September 2011	
GB922 – 4S-QoS	SID Quality of Service	1.4	TM Forum Approved	September 2011	
TIP-SPM-IA	Service Problem Management Information Agreement (note Service Problem Management Information Agreement used as the SID addendum)	1.0	TM Forum Approved	May 2011	
GB922 – 5LR	SID Logical Resource	9.10	TM Forum Approved	October 2012	
GB922 – 5PR	SID Physical Resource	9.5	TM Forum Approved	September 2011	
GB922 – 6	Market / Sales	2.5	TM Forum Approved	September 2011	
TIP-RAM-IA	Resource Alarm Management Information Agreement (note this is used as the SID addendum)	1.0	TM Forum Approved	March 2012	
TIP-MPAC-IA	Maintenance, Protection and Alarm Control (this and the SID Performance addendum represent the complete set of performance-related documentation)	1.0	TM Forum Approved	March 2012	
GB922-7RA	SID: Enterprise Domain Revenue Assurance Business Entities	1.5	TM Forum Approved	September 2011	
GB922-7 Security	SID Security	1.5	Member Evaluated	October 2012	√
GB922-7	Workforce	1.2	TM Forum Approved	October 2012	
GB922-8	SID Supplier Partner	2.3	Member Evaluated	October 2012	√
GB922 – X	SID XSD Schema Overview	1.6	TM Forum Approved	September 2011	

3.2. Model Release Description

It is recommended to read the Information Framework Release Notes before extracting the contents of any Information Framework zip file.

This document details the contents of the release, changes made

The Information Framework model comes in many different formats as described below. Note that model formats are provided in Rational Software Architect as described below.

Rational Software Architect formats:

Information Framework (SID) Release 12.0 HTML Model Zip file		Web browsable version of the UML 2.x Model. One format provides figures in GIF format; another provides figures in PNG format
Information Framework (SID) Release 12.0 XMI zip file		XMI interchange format with main SID model contained within a single XMI file for importing the SID into other UML tools that support the interchange format.
Information Framework (SID) Release 12.0 UML zip file		UML Model in Project Archive format.
Information Framework (SID) Release 12.0 UML 2.0 Format		SID UML 2.0 format for tools that can directly read UML 2.0 files rather than or in addition to XMI.
Information Framework (SID) Release 12.0 XSDs zip file		Information Framework (SID) XSDs generated by the Joint Open Source Interface Framework tool

Information Framework (SID) Excel Spreadsheet

4. Linkages to other Projects/Products

There are linkages within the TM Forum programs as well with other.

4.1. TM Forum Frameworx

The Information Framework is one of the key components of the TM Forum Frameworx. TM Forum Frameworx (the successor of the well known NGOSS) enable users to analyze their business operations against industry processes, applications and information standards. They also provide a framework to support the procurement, development and implementation of a comprehensive operations environment. Frameworx may be used as an integrated system end-to-end or as components to solve particular problems. They can be applied throughout organizations by operations staff, software developers and system integrators.

As a significant step forward for its Frameworx, TM Forum has launched the Initiative to identify common elements and synergies among its core frameworks: Business Process Framework (eTOM), Information Framework (SID), Application Framework (TAM) and Integration Framework.

To see how this framework fits in to the complete TM Forum Frameworx release, kindly refer to the TM Forum Frameworx Release Notes.

For more information please go to the TM Forum Frameworx web page.

4.2. Others

The Information Framework Release Performance addendum contains possible impacts to other TM Forum work products that need to be addressed in future releases.

5. Open Issues

None

6. Appendix A: Content Description of the Information Framework (SID) Suite

The Information Framework (SID) Suite (GB922) has grown to include a number of components. The overall Information Framework Suite of document now includes:

- o A main document: Information Framework (SID) Concept and Principles (GB922-CP) which provides an overview of the Information Framework (SID), from both Intra-Enterprise and Inter-Enterprise viewpoints, and describes the main structural elements and approach

- o Addenda to the Information Framework:

  - o Primer (GB922-0) providing assistance to new users of the Information Framework

  - o Domain and ABE specific addenda, each containing

    - ▪ Design Approach, Rationale, and Examples

    Enables the model to be better understood and extended to model project-specific entities

    - ▪ References

    More information about key concepts

    - ▪ Data Dictionary

    Consistent business definition for all classes and attributes in the model

    Contains aliases and cross-references to other industry models and concepts

  - o Using the SID (GB922 – 1U): Describes how to get started with the SID model as well as guidelines for extending the SID

  - o SID XML Schema Overview: Provides an overview of the XML schema representation of the model and examples of how to use the schema

  - o SID model differences spreadsheet which contains additions/deletions made between prior release and current release of the model.

7. Administrative Appendix

This Appendix provides additional background material about the TM Forum and this document. In general sections may be included or omitted as desired, however a Document History must always be included.

7.1. Document History

7.1.1. Version History

Version Number	Date Modified	Modified by:	Description of changes
Version number 1.0	15/11/2005	John Reilly	First issue of document
Version Number 1.1	21/11/2005	Tina O'Sullivan	Template updates and included suite contents
Version Number 1.2		Tina O'Sullivan	Correct document version numbers.
Version Number 1.3	13 July 2006	Tina O'Sullivan	Updated to reflect Release 6.1
Version Number 1.4	20 January 2007	Tina O'Sullivan / John Reilly	Updated to reflect changes for Release 7.0
Version Number 1.5	May 2008	Tina O'Sullivan	Updated to reflect Release 7.5 and new template.
Version Number 1.6	21 July 2008	John Reilly	Updated to reflect changes in Release 8.0
Version Number 1.7	29-July 2008	Tina O'Sullivan	Final updates prior to posting and included review comments from Bern Zeuner
Version Number 1.8	29-May-2009	Alicja Kawecki	Minor updates to reflect TM Forum Approved status
Version Number 1.9	5 - October - 2009	Pascale Pecha	Updates to increase readability and reflect good practice guidelines
Version Number 1.10	29 March-2010	John Reilly	Updates reflecting SID Phase IX
Version Number 2.0	5 – January - 2010	Pascale Pecha	Update to reflect change of name for the Solution Frameworks
Version Number 2.1	23 – February - 2010	Pascale Pecha	Update to reflect

			change of name for the Frameworx per marketing
Version Number 2.2	3 March 2010	Pascale Pecha	Updates on document versions
Version Number 2.3	8 March 2010	Pascale Pecha	Minor edits
Version Number 2.4	11 March 2010	Alicja Kawecki	Minor cosmetic corrections for web posting
Version Number 2.5	26 April 2010	John Reilly	Updates to incorporate changes to base template.
Version Number 2.6	27 April 2010	Alicja Kawecki	Minor cosmetic corrections for web posting and ME
Version Number 2.7	25 June 2010	Alicja Kawecki	Updated Notice
Version Number 2.8	22 October 2010	Alicja Kawecki	Updated to reflect TM Forum Approved status
Version Number 2.9	20 Dec 2010	John Reilly	Updates reflecting SID Phase 12.0
Version Number 2.10	18 April 2011	Alicja Kawecki	Updated table in section 3.1, minor cosmetic corrections prior to web posting and ME
Version Number 2.11	30 September 2011	Alicja Kawecki	Updated to reflect TM Forum Approved status
Version Number 2.12	20 December 2011	John Reilly	Updates reflecting SID 12
Version Number 2.13	26 March 2012	Alicja Kawecki	Updated table in section 3.1, minor cosmetic corrections prior to web posting and ME
Version Number 2.14	11 Sep 2012	John Reilly	Updates to include SID 12 member evaluation version CRs implemented.
Version Number 2.15	26 September 2012	Alicja Kawecki	Updated table in section 3.1 to reflect inclusion of GB922-1 Perf addendum
Version Number 2.16	October 2012	Alicja Kawecki	Updated to reflect TM Forum Approved status of R12.0
Version Number 2.17	October 2012	John Reilly	Updates reflecting SID 12.5
Version Number 2.18	October 2012	Alicja Kawecki	Updated table in section 3.1, minor cosmetic corrections prior to web posting and ME

Version Number 2.19	November 2012	John Reilly	Added missing model format files.
Version Number 2.20	November 2012	Alicja Kawecki	Updated section 3.1 as needed
Version Number 2.21	January 2013	Alicja Kawecki	Corrected version no of GB922-5PR entry in section 3.1 table

7.1.2. Release History

This section records the changes between this and the previous Official document release.

Release Number	Date Modified	Modified by:	Description of changes
Release 7.5	March 2008	John Reilly.	Updated with comments received from ITU-T.
Release 8.0	July 2008	John Reilly	Updated to reflect changes in Release 8.0
Release 8.1	October 2009	Pascale Pecha	A fix release, to improve readability and address other cosmetic issues
Release 12.0	March 2010	John Reilly	Updates reflecting SID Phase IX
Release 12.0	December 2010	John Reilly	Updates reflecting SID Phase 12.0
Release 12	December 2011	John Reilly	Updates reflecting SID 12
Release 12.5	October 2012	John Reilly	Updates reflecting SID 12.5