Integration Framework Suite

Release Notes for Release 12.5

RN334

Version 1.3

December, 2012

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Table of Contents

1. Introduction

This document provides the overview content of the Integration Framework and it will identify the changes introduced in this current release.

For details on packaging and accessing the documents please refer to the Integration Framework Read Me First note.

2. Overview of Integration Framework Suite Release 12.5

Automation of business processes enables you to reduce costs and deploy new services rapidly, but relies on interoperable systems across the enterprise and value-chain. The Integration Framework defines how the processes and information behind these systems can be automated by defining standardized SOA-based interfaces called Business Services (formerly called NGOSS contracts).

Integration Framework includes the identification, naming and classification of services and guidelines for the development of Business Services; model-driven tooling for the machine-assisted production of standardized interfaces; and a repository for Business Services.

2.1. Key driving forces in this release

This release of the Integration Framework Suite builds on previous releases, with updates in the following main areas:

Fault Management Harmonization and Probable Causes

GPON Management

Interface Deployment Scenarios

Inventory Interfaces

Performance Management Interface

Service Management Interface

The driving forces behind this release were to continue the ongoing development of standardized interfaces. The TM Forum Interface Program (TIP) interfaces are the next generation of interfaces to be provided by TM Forum which are being developed on request from Service Providers to ensure greater interoperability across their networks.

3. Release Definition

3.1. Product Release Description

The following table outlines the contents of the Integration Framework Release 12.5.

Document Number	Document Name	Version / Release	Document Status	Date	New/ Updated in this release
RN334	Integration Framework Suite Release Notes	1.3	Reference Material	December 2012	√ (this document)
N/A	Integration README File	1.0	Reference Material	December 2012	√
Business Services					
RN316	Business Services Suite Release Notes	0.13	Reference Material	May 2012	
GB942CP	Business Services Concepts and Principles	3.2	TM Forum Approved	May 2011	
GB942U	Business Services User Guidelines	3.2	TM Forum Approved	May 2011	
Architecture Documents					
RN329	Business Services Technical Report Release Notes	1.3	Reference Material	April 2012	
TR176	Business Services Technical Report	1.8	Member Evaluation	April 2012	
TR176-IR	Inventory Retrieval	1.1	Member Evaluation	April 2012	
TR176-PA	Product Activation	1.1	Member Evaluation	April 2012	
TR176-SPM	Service Problem Management	1.1	Member Evaluation	April 2012	
TR169	Model Federation	1.2	Member Evaluation	October 2012	√
Frameworx Governance Platform Exemplar					
RN333	Frameworx Solution Methodology Release Notes	0.6	Reference Material	April 2012	
GB945-GP	Frameworx Governance Platform Exemplar	0.10	TM Forum Approved	October 2012	
GB945-Matrix	Matrix Frameworx Solution Methodology, Exemplar Platforms Application Framework Excel Mapping	0.4	TM Forum Approved	October 2012	

TR155	TM Forum Solution Framework Primer	1.5	Member Evaluated	March 2010	
GB945-M	Frameworx Implementation Methodology	0.6	Member Evaluated	March 2010	
Frameworx Metamodel					
RN335	Frameworx Metamodels Release Notes	0.4	Reference Material	April 2012	
TR177	Frameworx Metamodels Concepts and Principles	0.11	Member Evaluation	April 2012	
TR177-Ecore	TR177_Metamodel_Ecore	0.10	Member Evaluation	April 2012	
Mapping Documents					
GB942MAP	Frameworx Mappings	1.0	TM Forum Approved	May 2011	
Interface Development					
JOSIF_RN	TM Forum Interface Development Tooling Release Notes	1.1.2	N/A	September 2012	√
N/A	TM Forum Interface Development Tooling	1.1.2	Member Evaluation	September 2012	√
TMF064	TIP Adapter Scaffold	0.3	TM Forum Approved	Nov 2012	
TR188	Generic Update Technical Report	1.3	Member Evaluation	September 2012	√
TR189	Generic Query Technical Report	1.3	Member Evaluation	September 2012	√
Interface Deployment					
TR175	Interface Deployment Scenarios Technical Report	0.5	Member Evaluation	September 2012	√
TMF063	Probable Causes Specification	1.2	Member Evaluation	October 2012	√
TR184	Technical Report/Presentation into NGCOR	1.3	Member Evaluation	October 2012	√
TR183	3GPP SA5 - TM Forum TIP Fault Management Harmonization TR	1.2	Member Evaluation	September 2012	√
TMF065	OSS/J FM RAM Adapter	0.3	TM Forum Approved	November 2012	
Interfaces					
N/A	Remote Unit Provisioning FSD Release Notes	1.2	Reference Material	April 2012	
N/A	Remote Unit Provisioning Feature Specification Document	1.3	Member Evaluation	April 2012	
N/A	Remote Unit Provisioning Implementation Guidelines	1.7	Member Evaluation	April 2012	
N/A	MTOSI GPON Enhancements Living-List	1.2	Member Evaluation	April 2012	
N/A	Resource & Service Assurance Feature Description Document for GPON, Ethernet, MPLS-TP	2.2	Member Evaluation	November 2012	√

TR190	MTOSI GPON Profile Technical Report	1.1	Member Evaluation	September 2012	√
Policy Information Exchange Interfaces, Phase II					
TMF_PIE_RN	Policy Information Exchange (PIE) Interfaces Release Notes	1.4	Reference Material	October 2012	√
TMF_PIE_BA	Interfaces to Support Policy Information Exchange (PIE) Business Agreement	1.2	Member Evaluation	October 2012	√
TMF_PIE_IA	Interfaces to Support Policy Information Exchange (PIE) Information Agreement	1.1	Member Evaluation	October 2012	√
TMF_PIE_IIS	Interfaces to Support Policy Information Exchange (PIE) Interface Implementation Specification	1.1	Member Evaluation	October 2012	√
Fault Management					
TIP_RAM_BA	Resource Alarm Management Business Agreement	1.0	TM Forum Approved	May 2012	
TIP_RAM_IA	Resource Alarm Management Information Agreement	1.0	TM Forum Approved	May 2012	
TIP-MPAC-IA	Maintenance, Protection and Alarm Control Information Agreement	1.0	TM Forum Approved	May 2012	
TMF065	OSS/J FM RAM Adapter	0.3	TM Forum Approved	November 2012	
NGCOR Fault Management Requirements Mapping					
RN337	NGCOR Fault Management Requirements Mapping Release Notes	1.1	Reference Material	October 2012	√
TR184	NGCOR Fault Management Requirements Mapping (Word document Format)	1.3	Member Evaluation	October 2012	√
TR184-A	NGCOR Fault Management Requirements Mapping (Excel document Format)	1.3	Member Evaluation	October 2012	√
Basic Resource Inventory					
TMF_BRI_RN	Basic Resource Inventory Release Notes	1.3	Reference Material	November 2012	√
TMF_BRI_BA	Basic Resource Inventory Business Agreement	1.3	Member Evaluation	November 2012	√
Enterprise Security Interface					
TMF_SCA_BA	Security Compliance Audit Automation Business Agreement	0.9	TM Forum Approved	November 2012	
Software Enabled Services Management Interface (SMI)					
TMF_SMI_RN	SMI Release Notes	1.7	Reference Material	October 2012	√
TMF525	SMI Business Agreement (BA)	1.7	Member Evaluation	December 2010	

TMF617	SMI Interface Agreement (IA)	1.7	Member Evaluation	October 2012	√
TIP_SMI_IIS	SMI Interface Implementation Specification	1.6	Member Evaluation	October 2012	√
Performance Monitoring Management Interface					
TMF_PM_Mon_RN	Performance Monitoring Management Release Notes	1.1	Reference Material	September 2012	√
TMF_PM_BA	Performance Management Business Agreement	1.6	Member Evaluation	November 2012	√
TIP_PM_Mon_IA	Performance Management Monitoring Information Agreement	1.0	Member Evaluation	September 2012	√
TIP_PM_Mon_IIS	Performance Management Monitoring Implementation Specification	1.0	Member Evaluation	September 2012	√
Generic Inventory Interface					
TIP_GIN_RN	Generic Inventory Release Notes	1.2	Reference Material	October 2012	√
TIP_GIN_BA	Generic Inventory Business Agreement	1.1	Member Evaluation	September 2012	√
TIP_GIN_IA	Generic Inventory Information Agreement	1.2	Member Evaluation	November 2012	√
TIP_GIN_IIS	Generic Inventory Interface Implementation Specification	1.2	Member Evaluation	September 2012	√
TIP_GIN_UG	Generic Inventory User Guide	0.4	Member Evaluation	October 2012	√
TIP_GIN_RI	Generic Inventory Reference Implementation	1.0	Member Evaluation	September 2012	√
TIP_GIN_CTK	Generic Inventory Compliance Test Kit	1.0	Member Evaluation	September 2012	√
Probable Cause Specification					
RN338	Probable Causes Technical Specification Release Notes	1.1	Reference Material	October 2012	√
TMF063	Probable Causes Technical Specification (Word document Format)	1.2	Member Evaluation	October 2012	√
TMF063-A	Probable Causes Technical Specification (Excel document Format)	1.2	Member Evaluation	October 2012	√
Expedited Interfaces					
TMF_CQU_BA	Customer Query and Update Business Agreement	1.3	Member Evaluation	September 2012	√

3.1. Model Release Description (if applicable)

N/A

4. Linkages to other Projects/Products

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

4.1. Frameworx

The Integration Framework is one of the key components of Frameworx. TM Forum Frameworx (the successor of Solution Frameworks, well-known NGOSS) enables users to analyze their business operations against industry processes, applications and information standards. Frameworx also provide a framework to support the procurement, development and implementation of a comprehensive operations environment. The frameworks 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. They provide a significant step up from building interfaces and business services saving time, improving quality and consistency and leading to improved interoperability.

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 Frameworx release, kindly refer to the Frameworx Release Notes.

For more information please go to the Frameworx web page.

4.2. Others

None

5. Open Issues

The work in all of the TM Forum Frameworx continues to evolve. Significant advances are being made in the areas of Business Services, and the ongoing development of TIP interfaces, which expect to deliver a number of new interfaces in the Frameworx 13 timeframe.

6. 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.

6.1. Document History

Version History

Version Number	Date Modified	Modified by:	Description of changes
0.1	October 2009	Pascale Pecha	Initial version
0.2	November 2009	Pascale Pecha	editing
0.3	February 2010	Pascale Pecha	Change from Solution Frameworks to Frameworx per marketing
0.4	March 2010	Pascale Pecha	Updates for documents version
0.5	8 March 2010	Pascale Pecha	Minor edits
0.6	10 March 2010	Tina O'Sullivan	Updated to reflect Release 2.1 and appropriate version numbers of documents. Included correct notice statement.
0.7	08 June 2010	Alicja Kawecki	Updated to reflect TM Forum Approved status
0.8	18 May 2011	Alicja Kawecki	Updated to reflect Release 2.5, Notice Statement updated, prior to web posting and ME
0.9	26th October 2011	Clive Deakin	Updates to reflect Release 11.5
0.10	3rd November 2011	Alicja Kawecki	Updated sections 2.2 and 3.1, minor cosmetic corrections prior to web posting and ME
1.0	10th May 2012	Joann O'Brien, Bill Semper	Updated to reflect Release 12.0
1.1	16th May 2012	Alicja Kawecki	Updated section 3.1, minor cosmetic

			corrections prior to web posting and ME
1.2	December 2012	Bill Semper, Tina O'Sullivan	Updated to reflect Release 12.5
1.3	December 2012	Alicja Kawecki	Minor cosmetic edits, corrections to section 3.1 as needed, prior to web posting

Release History

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

Release Number	Date Modified	Modified by:	Description of changes
2.0	October 2009	Pascale Pecha	Initial version
2.1	March 2010	Pascale Pecha	Release for Frameworx launch
2.5	May 2011		Release for Frameworx 11.0
11.5	October 2011		Release for Frameworx 11.5
12.0	May 2012	Joann O'Brien, Bill Semper	Release for Frameworx 12.0
12.5	December 2012	Bill Semper, Tina O'Sullivan	Release for Frameworx 12.5