




# Technical Community Cooperation: Generic Network Management


Magnus Buhrgard, Open Source and Standardization Manager

Ericsson

# Standards Usage Outline - ONAP

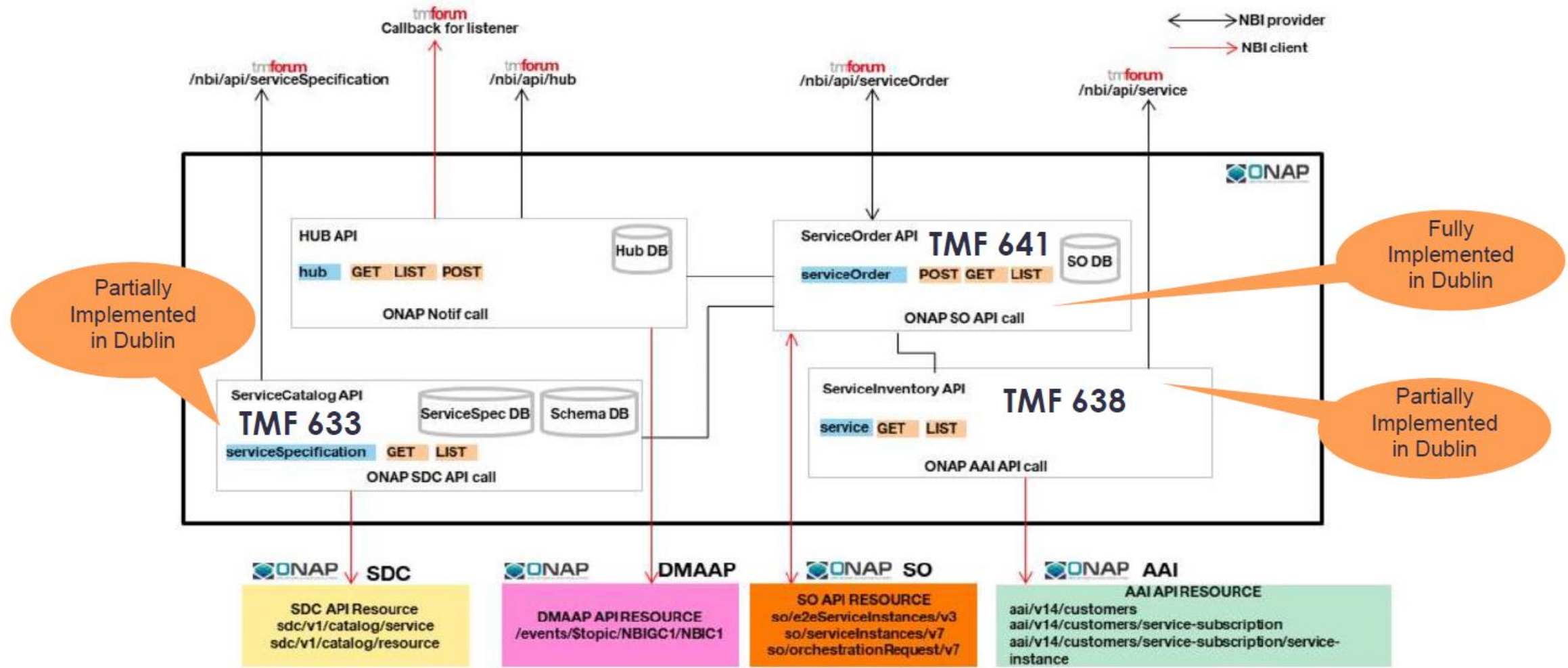
Open Source	SDO Partner	Standards	Affected Components
	ETSI NFV	VNF and NS descriptors: IFA011/IFA014 SOL001; VNF/PNF packaging and onboarding: SOL004; NS packaging and onboarding SOL007	SDC, SO, VF-C
		3-rd party VNFM interface: SOL003 3-rd party NFV-O and OSS interface: SOL005	SO: VNF-M adapter SO: NFVO adapter, External API
		VNF control, events, KPI's etc.: SOL002	EMS adapter
	OASIS TOSCA	ONAP Internal model: TOSCA/YAML Spec v1.2	SDC, AAI, DCAE
	TMForum	Service Order, Catalogue and Inventory: TMF API's: 641, 633, 638	External API to BSS (NB), SO, AAI, DCAE
	ETSI ZSM	Leveraging ETSI ZSM multi-domain architecture	SO, SO adapters
	3GPP	Network Slicing Mngmt & Info Model: 3GPP SA2 and SA5	SDC, DCAE, APPC, AAI
		3GPP 5G Configuration SA5	SDC, APPC
		3GPP FM/PM SA5	SDC, DCAE
	ETSI OSM Interworking	Based on YANG to TOSCA translation and ETSI NFV- SOL005	NF-SDK, SDC

# Standards Usage Outline - ONAP

Open Source	SDO Partner	Standards	Affected Components
	ETSI NFV	VNF and NS descriptors: IFA011/IFA014 SOL001; VNF/PNF packaging and onboarding: SOL004; NS packaging and onboarding SOL007	SDC, SO, VF-C
		3-rd party VNFM interface: SOL003 3-rd party NFV-O and OSS interface: SOL005	SO: VNF-M adapter SO: NFVO adapter, External API
		VNF control, events, KPI's etc.: SOL002	EMS adapter
	OASIS TOSCA	ONAP Internal model: TOSCA/YAML Spec v1.2	SDC, AAI, DCAE
	<b>TMForum</b>	Service Order, Catalogue and Inventory: TMF API's: 641, 633, 638	External API to BSS (NB), SO, AAI, DCAE
	ETSI ZSM	Leveraging ETSI ZSM multi-domain architecture	SO, SO adapters
	3GPP	Network Slicing Mngmt & Info Model: 3GPP SA2 and SA5	SDC, DCAE, APPC, AAI
		3GPP 5G Configuration SA5	SDC, APPC
		3GPP FM/PM SA5	SDC, DCAE
	ETSI OSM Interworking	Based on YANG to TOSCA translation and ETSI NFV- SOL005	NF-SDK, SDC

# ONAP North Bound Interface with BSS

## - Based on TMF Open API's



# TM Forum Open APIs

## **TMF641 ServiceOrder**

The REST API for Service Order Management provides a standardized mechanism for placing a service order with all of the necessary order parameters.

It allows users to create, update & retrieve Service Orders and manages related notifications.

## **TMF633 ServiceCatalog**

The Service Catalog Management API allows the management of the entire lifecycle of the service catalog elements.

The Admin swagger file provides a schema with the complete set of operations to manage a catalog while the regular swagger file provides a schema with only those set of operations that a regular user needs to use a catalog.

## **TMF638 ServiceInventory**

The intent of this API is to provide a consistent/standardized mechanism to query and manipulate the Service inventory.

# TM Forum

[Dave Milham](#) & [Ken Dilbeck](#)

[TM Forum ONAP interest group](#)

**Fortnightly coordination call for ONAP Interest Group**

*Re-scheduled to Fridays 1-2 pm GMT, to avoid clash with ONAP Architecture calls*

Join from PC, Mac, Linux, iOS or Android: <https://zoom.us/j/319638772>

# TMF-MEF-ONAP Harmonization of APIs

Meeting series organized by Alan Pope (apope@tmforum.org)

Members		
	MEF [Collaboration Page]	@ David Ball @ Karthik Sethuraman @ Ludovic Robert @ Stephen Harrop @ Jack Pugaczewski @ Andrew Mayer @ Bartosz Michalik @ Ernie Bayha @ Johanne Mayer @ Mohammad Nurujjaman @ Mehmet Toy @ Dhurvas Sivakumar @ Mike Benchec @ Fahim Sabir @ laurent sevette
	TMForum	@ Ludovic Robert @ Stephen Harrop @ Johanne Mayer @ Abinash Vishwakarma @ pierre gauthier @ George Glass @ Ken Dilbeck @ John Melton @ Alan Pope @ Dave Milham
	ONAP	@ Adrian O'Sullivan @ Andrew Mayer @ Ludovic Robert

MEF Wiki page for collaboration (MEF wiki login needed):

<https://wiki.mef.net/pages/viewpage.action?pageId=106608028>

TMF JIRA issues: <https://projects.tmforum.org/jira/issues/?filter=15982>



## TMF-MEF-ONAP Harmonization of APIs



# Thank You!