

Planning & Work Items

OIMT Document Number Allocation

OIMT TR-512 Core Model modules mapping & paths

Work Item Description Template

Work Items*

Red text indicates latest updates, including alignment with the end of 2022.04 bubble chat [oimt2022.KL.001__OIMT-task-bubble-chart.pptx \(version 2\)](#)

No.	Work item	Target date /release	Target document	Owners	Brief Description	Document	Note
5	OAM	v1.6	TR-512.9	Andrea	On hold (target date 10/2020)	<ul style="list-style-type: none"> oimt2021.ND.005_OAM.pptx 	Generalize whatever in the current TAPI OAM.
6	Resilience	On hold	TR-512.5 TR-512.A.11	Andrea, Nigel	On hold (target date 10/2020)		Resilience examples (as called for by TAPI) Andrea will identify the examples and then work with Nigel to get them into the documentation
8a	Equipment model enhancement - simple	v1.6	TR-512.6	ND/CH	Task 8 Equipment model enhancement	<ul style="list-style-type: none"> oimt2021.LN.001-Equipment Type model.pptx oimt2021.LN.002-Equipment Type model.pptx ONF_T08_Equipment Update.pptx Discussion notes: 2022-06-30 Meeting notes 	Detail attribute description and datatype: <ul style="list-style-type: none"> To discuss lifecycle for the artifacts and possible promotion; To find an external source of property definitions (such as thermal/power/humidity rating) and then reference them; To find a documentation technique that allows us to not have to enter text that is essentially the name of the attribute in long-hand. Decision: Put in the stupid sentence. <p>To discuss powerState datatype.</p> <p>Account for TAPI changes from classes to datatype (discuss with WT)</p>
8b	Equipment model enhancement - complex	v2.1	TR-512.6	Kam	Task 8 Equipment model enhancement		See 8a
9	IP switching investigation Merge with 53	v2.0	-	Xiang	Needed		IP driven by requirements from ECC/DCN ensuring we have core support (IMP, OT, TAPI brigade * Extending over time to "full" IP via appropriate collaboration and federation. Moved to 53
11a	Views / Context - essential	v1.6	TR-512.8	Nigel	Task 11 - View /Context	<ul style="list-style-type: none"> A/C/S Contexts: 2021-02-25 OIMT Meeting notes Controller building: oimt2021.MB.003-Control-architecture-outline.pptx oimt2022.ND.007_TR-512.8_OnfCoreIm-Control.docx 	<ul style="list-style-type: none"> View abstractions and virtualization context Might consider liaise the ControlTask work to MEF to address the concern on the MEF-95 Policy Driven Orchestration work
11b	Views / Context	v2.1	TR-512.8				
12	Entity lifecycle	v1.5	TR-512.17	Malcolm	Not necessary	<ul style="list-style-type: none"> Assignment state: oimt2021.MB.002-Assignment-state-figures.pptx 	Agreed that this will go in 1.5
13a	Model structure - packaging	v1.5	TR-512.A.2	Nigel	Refer slides ONF_T13_Model%20Structure%20Overview.pptx	oimt2018.CH.01.00_ONF_T13_ModelStructure.pptx	Model architecture, model structure & model patterns. Not all will be done in 1.5 but there will be some improvements
13b	Model structure - assoc navigability	v2.0	TR-512.A.2	Nigel	Refer slides ONF_T13_Model%20Structure%20Overview.pptx	oimt2018.CH.01.00_ONF_T13_ModelStructure.pptx	See 13a

14	Topology	Investigation	TR-512.4	Nigel	Refer slides	oimt.2019.ND.003.00_TopologyAndFcProperties.pptx	
16	P&R methodology	On hold	?	Nigel	On hold		
20	UML-OpenAPI guidelines	On hold	TR-543	Rick	On hold		v1.0 (02/2018)
21	UML-TOSCA Guidelines	On hold	?		On hold		
22	UML-YANG Generator	On going	TR-531	IISOMI (Scott)	Not necessary		v1.1 (07/2018)
23	UML-OpenAPI Generator	On hold	?		On hold		
24	UML-TOSCA Generator	On hold			On hold		
25	P&R tooling	On hold			On hold		
28	UML-ProtoBuf Generator	On hold			On hold		
29	Party Model	v1.5	TR-512.13	Nigel	ONF_T29_Party.pptx		Undergoing team review
30	Location Model	v1.5	TR-512.14	Nigel	ONF_T30_Location.pptx	oimt2020.ND.002-draft-TR-512.14_OnfCoreIm-Location.zip oimt2020.ND.003-ConsideringPartyAndLocation.pptx	Undergoing team review TR-512.A.15 for Appendix on Location examples? See 75
35	LTP port	v2.0	TR-512.2	Nigel	Refer slides	oimt2018.ND.019.02_LtpPortAndSpec.pptx	see also ONF_T34_LTP_PortV2.pptx
36	Compute model (CPU / Memory + Storage)	v1.6	TR-512.15 TR-512.16 TR-512.A.14	Stephen	Refer slides	ONF_T36a_Storage.pptx ONF_T36b_CPU-Memory.pptx	Documents written (with Tigerstripe temporary diagrams), Need model in Papyrus + Gendocs
37	Spec re-work	v2.1	TR-512.7	Nigel	Refer slides	oimt.2019.ND.012.01_SpecModelRework.pptx	See also ONF_Txx_Occurence%20Pattern.pptx
38	Semantic compatibility framework	On hold		Nigel, Martin	On hold		
39	Event driven solution	Investigation		Chris, Nigel	Investigation		Need to take TAPI learnings and turn it into a Core document
40	Rule pattern	On hold		Nigel	On hold		
41	Identity model	v2.0	TR-512.3	Nigel	Refer slides	ONF_T41_IdentityImplementation.pptx	Investigate the identify model (Global class & Local class). Not inherit from Global or Local class. A tool will generate the necessary identifier attributes from the Global and Local classes and add to the entity classes at ?? time.
42	General profile /template approach	v2.1		Nigel	Refer slides	oimt.2019.ND.013.00_ProfilesAndTemplates.pptx ONF_T57_Profile_Template.pptx	User profile and template as classes (i.e., not stereotype). To discuss and provide more clarification about this work item. Note that there are two meanings of profiles (UML and run-time property) and the UML profile is clearly always associated with stereotypes and the run-time property one has never been associated with stereotypes.
43	General Operation pattern	v2.1 (related to #57)	TR-512.10	Nigel	Needed		Use TAPI OAM as the seed to investigate using the Operation Pattern to support general task, taking the G.8051 /G.8052 On-demand measurement job requirement into account as input.
44	Refactor LTP Spec to be Component-System Spec	v2.0 (merge with #37)			Merge with #37		
51	Application-Equipment model + Spec	On hold		Nigel, Kam	On hold		
52	Application-Software model + Spec	On hold		Nigel, Kam	On hold		
53	IP routing (segment routing) (Asorbs 9)	Investigation		Kam, Xiang	Task 53 IP Routing YANG Mapping		IP driven by requirements from ECC/DCN ensuring we have core support (IMP, OT, TAPI brigade * Extending over time to "full" IP via appropriate collaboration and federation.
54	Cloud Native (Kubernetes, Istio, Containers)	On hold			On hold		
55	TOSCA profile	On hold			On hold	ONF_T55_Tosca_Profile.pptx	

56	Simplified Spec model	v1.6	TR-512.7	Nigel	Task 56 - Simplified Spec Model How does this relate to #37 ?		Light weight model, detailed invariant structure not included in the core. https://wiki.opennetworking.org/pages/viewpage.action?pageId=371654692 Action item 2.2 of F2F minutes	
57	Job task process model (incl Temporal expression model)	v1.6 (related to #43 and #73)		Chris	Refer slides	ONF_T57_JobTask.pptx	Related to CD running/checking/validating the task, not the static description of the process.	
58	Sensor model	Investigation		Chris	Investigation	ONF_T58_Sensor_Model.pptx		
59	Union & Generics	Investigation		Chris	Investigation	ONF_T59_Union_Generics.pptx		
61	Model Extension Guidelines	v2.1		Chris, Nigel	Task 61 - Model Extension Guidelines	ONF_T61_ModelExtensions.pptx		
62	Representation of Config vs State	v2.1		Chris, Nigel	Task 62 - Representation of Config vs State	ONF_T62_ConfigOperationalState.pptx		
63	Additional Ethernet Examples	v2.0	TR-512.A.5	Chris	Task 63 - Additional Ethernet Examples	<ul style="list-style-type: none"> ONF_T63_EthernetExamples.pptx oimt2020.KL.005_ieee-bridge-representation.pptx 		
64	DDD Aggregates	v2.4		Chris	Investigation (complete)	ONF_T64_DddAggregates.pptx	Rolls into T13 Model Restructure DDD = Domain-Driven-Design	
64b	DDD Aggregates	v2.0		Chris				
65	Streaming	v1.6	TR-512.10	Nigel	Task 65 - Streaming		Including time stamping accuracy and synchronization. Control model identified streaming in relation to the ports. Including streaming receiver and Partial vs Whole entity	
66	Intent model	v2.1	TR-512.10	Chris, Nigel	Needed		No intent model at this stage - discussions only. Relates to operations and control models. Tooling to generate intent from existing model	
67	Constraint Domain Split	v2.0	TR-512.11	Nigel	ThoughtsOnConstraintDomain.pptx	<ul style="list-style-type: none"> A/C/S Context: 2021-02-25 OIMT Meeting notes 	Proposal to help issues with T13 Model Restructure	
68	Instance Data Store	Investigation		Chris			We have discussed a number of times the need to be able to define and store some instance data (primarily specifications) and storing these in a library. Nothing has come of it and so this task aims to progress this need.	
69	Use of Job Task to improve Operations patterns	v2.1 (relates to #43 and #57)	TR-512.10	Nigel				
70	Security Authorization NACM ABAC (XACML) Merge to T78	v1.6		Chris, Jonathan	Needed	<ul style="list-style-type: none"> RFC 8341 ONF_T70_Security ABAC.pptx 		
74	Security Authentication Merge to T78	v2.1		Chris, Jonathan	Needed		Include identity management (#41)	
72	Security Non-repudiation Merge to T78	v2.1		Chris, Jonathan	Needed		Streaming (#65), when used for auditing, needs non-repudiation	

73	Temporal expression model	v1.6	TR-512.18	Chris, Nigel	Needed	<ul style="list-style-type: none"> Temporal Expression ONF.docx ONF_T73_TemporalExpression.pptx oimt2022.ND.001_TemporalExpression.pptx TR-512.18_OnfCoreIm-TemporalExpression.docx oimt2022.ND.006_TR-512.18_OnfCoreIm-TemporalExpression.docx <ul style="list-style-type: none"> CH 2022-08-14 comment: Other TE Examples.msg 	<ul style="list-style-type: none"> Every entity potentially has a temporal aspect (could benefit from tooling to inject this.) 	
74	Security Audit	v2.1		Jonathan, Nigel	Needed		Streaming (#65) can be used to support auditing	
75	Location examples	v1.6	TR-512.A.16	Leo			Discussion: 2021-05-06 OIMT Meeting notes See 30	
76	Power (Chassis, Stack & PoE)	Investigation	-----	Chris	Complete PARKED	ONF_T76_Power_Model.pptx	Investigating this may help us in the equipment and functional models	
77	Media Multipoint	v1.6	TR-512.A.4	Malcolm, Nigel		<ul style="list-style-type: none"> oimt2021.MB.002-UniBITree-representation.docx oimt2021.ND.001-MultiPointMcCompactTable.pptx oimt2022.MB.002-TR-512.A.4_point-to-multipoint_update.docx <ul style="list-style-type: none"> CH 2022-08-14 comment: oimt2022.MB.002-TR-512.A.4_point-to-multipoint_update_CH-Cmt.msg oimt2022.MB.003-TR-512.A.4-multipoint-figures.pptx 	<ul style="list-style-type: none"> Realized that the existing examples in A.4 v1.5 in the moment are bad use cases (in the sense that they have a lot of crashes). In a real network, one won't actually do that. Should take a simple example which has less collision. Started to modify TR-512.A.4 (v1.5). 	
78	Controller zero-trust hardening	v1.6	TR-512.A.15	Malcolm, Nigel		<ul style="list-style-type: none"> oimt2021.ND.005_TR-512.A.15_...ControllerLifecycleAndSecurity-gd.zip ONF_LS_010_OIMT_to_SG15_on_Draft-TR-512.A.15-ControllerLifecycleSecurity.docx oimt2022.SS-MB.001-TR512-A.15.docx oimt2022.MB.001-control loop sketch.pptx 		
79	Catalog & Inventory storage application	Investigation		Chris, Nigel				

* Source of information of the above table: [oimt2018.KL.001.18_oimt-work-items.xlsx](#)