


API Apache 2.0 Project (R18.5) - DRAFT

* indicates that this field is required

Project Name*	API Apache 2.0 Project
IPR Mode*	Apache 2.0 <div style="border: 1px solid #ccc; padding: 5px; margin-top: 5px;"> Explanations of each mode is available at http://www.tmforum.org/IPRPolicy/11525/home.html</div>
Project Start Date*	July 2018
Project End Date*	February 2019
Type of Project*	Development
Strategic Program	Agile Business & IT
Previous Project Charter	N/A
Project Workspace Link	API Apache 2.0 Project Home
Project Sponsor*	ATT, Orange, Vodafone
Project Team Lead*	Stephen Harrop , Andreas Polz
TM Forum Staff Support	Pierre Gauthier , Joann O'Brien , Derek Flexer

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2. Project Overview

This project will develop the "code" part of the TM Forum Open APIs to be licensed under the Apache 2.0 license mode. This will include re-releasing API previously released under RAND. This project will work in close concert with the TM Forum Open API Program and will abide by its governance and use that groups output in the forms for specs, user stories, etc. to be the input to the development process. It is suggested that all members of the API Apache 2.0 project also be members of the API Project operating under the Core Project RAND Charter.

Although intellectual input will be taken from the specifications created under the RAND mode API Project, the specs themselves must not be contributed into this Apache 2.0 licence mode project, hence the assumption that Members of this project are also members of the API Project.

All contributions will implicitly carry the following notice statement:

Copyright © [copyright year] TM Forum. The TM Forum API Deliverables contained herein were contributed to the TM Forum by an Apache 2.0 License Mode Team and are subject to an Apache 2.0 License Mode Copyright Notice. No IPR was declared in the development of RAND License Mode TM Forum deliverables related to this TM Forum API Deliverable.

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

Contributors to this project are encouraged to review the TM Forum Intellectual Property Policy here: (Link to approved policy to be provided) to understand exactly what deliverables are acceptable to be license under Apache 2.0 License Mode.

3. User Stories

Provide a high-level description of how an end-user might use the output of the project.

If desired, copy and paste the table below to create multiple instances of the table and complete it for each user story.

As a..	
I need to...	
So that I can...	
To do this I need...	

4. Dependencies

Add in other projects and Framework dependencies this project will have. Please enter if your project will require INPUT FROM, produce OUTPUT TO or require JOINT WORKING with the named projects/Framework. In the COMMENTS column describe the nature of the input, output or joint working.

Project_Name	INPUT_FROM OUTPUT_TO JOINT_WITH	COMMENTS (describe nature of Input/Output/Joint)
API Project	Input from	Specs, User Stories, etc - Specs will be developed by the API Project under RAND and the intellectual content passed to the API Apache 2.0 team members (frequently as Team Approved documents).
API Project	Output to	Once a file has been uploaded or edited in the tmforum-apis GitHub organisation, if its private WIP repo and an API-Apache project contribution made, to assert that the files are technically complete and ready for review, the WIP repo will be "promoted" to a public copy, that has world read permissions. This public copy is then ready for review by anyone, but especially the full API (RAND) project.
No others		All requirements gathering, catalyst evaluations, etc. will take place through the Open API Project, then the results of such dialogue feeds via that project to these machine readable artifacts. There is deliberately no interaction between this project and other projects apart from through the Open API Project.

5. Participants

This section identifies the human resources and skills required by the project to successfully deliver the items listed in this charter. Unless otherwise noted, the level of commitment of all project participants is Best Effort.

At the time the charter is written, the individuals listed below are considered tentative participants. When the charter is approved, the tentative participants will be notified and they can "join" the project in the online community. From that point forward the project resources will be maintained and viewable in real time.

* indicates that this is a required field or role.

Role	Name* (Confluence "@" mention)	Company*	Comments
Project Team Lead*	Stephen Harrop	Vodafone	
Project Co-Team Lead	Andreas Polz	Bearingpoint	
Mentor			
Sponsor*	ATT, Orange, Vodafone		
Observer			
Reviewer			
Subject Matter Expert			
Workstream Lead			
Staff	Pierre Gauthier , Derek Flexer		

Role Descriptions & Responsibilities given in section 11

6. Project Workstreams and Deliverables

Complete the migration of API swagger files from RAND to Apache 2.0 licence mode.

Optimise the creation of new Swagger files in Apache 2.0 licence mode.

6.01: API-Apache Processes & Governance

Workstream Leader: [Stephen Harrop](#)

Ref #	Deliverable short name	Deliverable type/number	Description	Audience	Intend ed use	Plan for 1st 90 days	Plan for end of cycle	Sponsor / consumer support	Notes
6.01.1	Working Practices	Documents on Confluence	Develop working practices for manage Apache 2.0 licence mode artefacts	Open API development team members and the wider development community					

6.02. Migration of RAND licence mode code files to Apache 2.0 licence mode code files

Workstream Leader: [Stephen Harrop](#)

How do we ensure that the TM Forum Open APIs are brought to full implementation regarding the Apache 2.0 licence mode swagger, postman files?

Ref #	Deliverable s hort name	Deliverable type/number	Description	Audi ence	Intend ed use	Plan for 1st 90 days	Plan for end of cycle	Sponsor / consumer support	Notes
6.02.1	Migrated RAND code files		Existing RAND code files to be identified into batches and then to be team approved to be re-contributed into the API Apache 2.0 project						

We are seeking to migrate as many RAND swagger files (& Postman files, if we have them) from **RAND** to **Apache 2.0** licence mode. The list below are the current candidates still to migrate, we have already got 10 APIs under the Apache 2.0 licence mode, the ambition is to migrate all (or as many as possible) of the 40 below also. This .pptx explains the migration: [API_Apache_2.0_migration_v23.pptx](#). All the WIP private repos are set up at <http://github.com/tmforum-apis> and essentially the tasks for the swagger owner are:

- Join the API-Apache project
- Provide your GitHub ids
- Accept the invitation sent
- For each API
 - Upload the swagger file to the corresponding WIP private repo
 - Complete a contribution in the API-Apache project to state
 - For API TMFnnn name, ...
 - The Swagger (and postman) are technically complete
 - The Release it was last released under (e.g. R16.5) (I will tag this in GitHub)
 - The Design Guidelines it is compatible with (e.g. DG2.0) (I will tag this in Git Hub)
 - This should not take more than half an hour, assuming you have ready access to the correct information
- The JIRA record then authorises me to copy the WIP private repo to a public repo that everyone may see

TMF#	API Name
623	SLA Management

628	Performance Management
640	Activation and Configuration
642	Alarm Management
644	Privacy Management
649	Performance Management Thresholding
656	Service Problem Management
664	Resource Function Activation and Configuration
667	Document Management
670	Payment Methods

6.03. Creation of new Apache 2.0 licence mode code files

Workstream Leader: [Stephen Harrop](#)

How do we ensure that the TM Forum Open APIs are brought to full implementation regarding the Apache 2.0 licence mode swagger, postman files?

Ref #	Deliverable short name	Deliverable type /number	Description	Audience	Intended use	Plan for 1st 90 days	Plan for end of cycle	Sponsor / consumer support	Notes
6.0 3.1	New Apaches 2.0 code files		New developments will create new code files directly in Apache 2.0 licence mode						
6.0 3.2									
6.0 3.3									

7. Member Validation and Feedback Approach

Deliverables require validation and feedback. If the development team has a broad range of Members and Service Providers, validation may be within the team, however if the range of Members and Service Providers is weak, after Team Approval, deliverables must be validated beyond the team. Teams must state their Member & Validation approach here:

Validation Activity Approach	Deliverables will be reviewed and approved for review with the API Project within the API Apache 2.0 team. The API must be reviewed and approved by both the API Apache 2.0 Project and the API Project prior being formally approved as a TM Forum Draft Final Deliverable and submitted into formal Approval Process. It is anticipate to avoid creating excessive overhead the approval by the API Apache 2.0 Project may be by email or discussion post vote and the joint approval with the API Project team will be a formal detailed review.
Validation Activity Description	Cross team meeting and deliverable review for following the appropriate patterns and adhering to API Project Governance
Dependencies	
Comments	

8. Project Tooling

Indicate the tooling required for project success.

Product	Key Functions	Needed for Project?
Confluence Space	Document creation and publishing	Provided by default
JIRA Space	Contribution and feedback management	Provided by default

GitHub	Code repository (if applicable)	This will be required
Other		
Swagger		This will be required
Postman		This will be required

9. Liaison Relationships

Please indicate if this project has or plans to have a relationship with other External Standards Organizations (SDOs).

Name of Organization	Is this a New or Existing relationship?	Linkages and/or Scope of work	Contact person	Comments
FiWare	Existing	API Users		
Linux Foundation/ONAP	New	API Users		
MEF	Existing	API Users		

10. Charter History

Version	Date	Comment
Current Version (v. 7)	Feb 26, 2019 14:43	Derek Flexer
v. 6	Aug 17, 2018 09:01	Derek Flexer
v. 5	Aug 13, 2018 06:05	Derek Flexer
v. 4	Aug 13, 2018 06:04	Derek Flexer
v. 3	Jul 30, 2018 05:54	Derek Flexer
v. 2	Jul 27, 2018 04:31	Derek Flexer
v. 1	Jul 27, 2018 04:31	Derek Flexer

11. Role Definition & Responsibilities



Project Team Lead:

- Ensure project is developed in line with TM Forum IPR policy
- Encourage all participants to take an active role in the project
- Ensure participants have a clear understanding of what they need to complete and when
- Drive the project team for on time delivery
- Lead the design, planning and execution validation activities
- Identify key companies required to position for industry adoption

Mentor:

- Aid the team to maintain focus on delivery
- Act as a source of expertise for the team
- Join project calls to assist with blockages
- Seek out expert resource to help as required
- Be a guide and link to the wider Program

Sponsor:

- Articulate the Industry User Story
- Act as a Champion for the team
- Review progress at six weekly intervals to ensure relevance
- Champion final deliverables at Nice/San Jose
- Drive Adoption in own organization by championing deliverables as beta versions of solutions to be developed

Participant:

- Develop collaborative solutions as in accordance with the developed charter and inline with Collaboration process
- Participate actively in team working meetings / sessions
- Complete tasks as agreed with the team or workstream leader

Observer:

- Choose to observe and monitor the progress of a project team
- Use the insights gained to share observed advancements within your organization
- Ensure planned deliveries are aligned with product roadmap in your organization to gain maximum R&D acceleration value
- Align training and education within your organization to gain maximum value of cost & risk reduction and future proofing your organization

Reviewer:

- All activities of observer plus...
- Review all outputs from team and provide quality timely feedback ensuring output aligns with business and technology requirements of your organization
- Participate in validation activities, these may be online or face to face.
- Monitor Collaboration Events & Activities page for all latest review activities

Subject Matter Expert:

- Provide support and guidance to a project team in your particular area of expertise

Workstream Lead:

- For your agreed workstream;
- Ensure project is developed in line with TM Forum IPR policy
- Encourage all participants to take an active role in the project
- Ensure participants have a clear understanding of what they need to complete and when
- Drive the project team for on time delivery
- Lead the design, planning and execution validation activities
- Identify key companies required to position for industry adoption

12. Legal Notice

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