



**CAMARA**

The Telco Global API Alliance

# Steering Committee

20.01.2022

# Agenda

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**01** Welcome new participants

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**02** Qorum given?

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**03** Project governance updates

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**04** Sub project status

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**05** Working group status

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**06** Ericsson - Missing API concepts

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**07** Telefonica - API portal

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**08** GitHub open issues

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**09** AOB

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# Welcome new participants

## Public Github repository for CAMARA project

To Do...

Add your name to  
"[camaraproject/rep\\_main](#)"  
to start contributing  
to the alliance.



MarkusKuemmerle Add files via upload

c36de1d yesterday 366 commits

APIs	Add files via upload	yesterday
WorkingGroups	Update MOM-24-11-2021.md	11 days ago
declarations	Update file-header.txt	10 days ago
documentation	Add files via upload	7 days ago
CODEOWNERS	Upd	
CODE_OF_CONDUCT.md	Upd	
CONTRIBUTING.md	Upd	
NOTICE	Upd	
PARTICIPANTS.MD	Upd	
ProjectCharter.md	Upd	
ProjectStructureAndRoles.md	Upd	
README.md	Upd	

Org	Name	Steering Board
Deutsche Telekom AG	Nathan Rader	Yes
Deutsche Telekom AG	Markus Kümmerle	Representative
Deutsche Telekom AG	Shilpa Padgaonkar	
Deutsche Telekom AG	Herbert Damker	
Deutsche Telekom AG	Elmar Mundt	
Deutsche Telekom AG	Piotr Wesolowski	
Deutsche Telekom AG	Herbert Damker	
Deutsche Telekom AG	Noel Wirzius	
Deutsche Telekom AG	Carlos Fernandes	
Telefonica	Juan Carlos Garcia	Yes

(If you need access to  
GitHub repository send  
me a short notice)

# Quorum given? YES!

AT&T	Wiley Wilkins (Barry Elia, Brian D. Freeman)	✓
Bell Canada	Daniel Bernier	✗
Deutsche Telekom AG	Nathan Rader (Markus Kümmerle)	✓
Ericsson	Bart van Kaathoven	✓
GSMA	Henry Calvert (Faisal Zia)	✓
IBM	Jason Hunt (Zyg Lozinski)	✓
Intel	Petar Torre (Cesc Guim)	✓
KDDI	Toshiyasu Wakayama	✓
Microsoft	Landon Cox	✓
MobiledgeX	Heather Blanchard (Christoph Goertz)	✓
Nokia	Tanja de Groot (Chris Jones)	✓
ORANGE	Sylvain Morel	✓
Telefonica	Juan Carlos Garcia (Jose A Ordonez Lucena)	✓
TELUS	Ali Tizghadam	✓
TIM	Roberto Procopio (Fabrizio Moggio)	✓
TMUS	Lyle Bertz (Murat Karabulut)	✓



# Project governance updates



Review the documents and provide feedback:

- Correct typos and bad grammar immediately in the files
- In case of needed content changes create a GitHub issue

MarkusKuemmerle Add files via upload c36de1d yesterday 366 commits

APIs	Add files via upload	yesterday
WorkingGroups	Update MOM-24-11-2021.md	11 days ago
declarations	Update file-header.txt	10 days ago
documentation	Add files via upload	7 days ago
CODEOWNERS	Update CODEOWNERS	2 months ago
CODE_OF_CONDUCT.md	Update CODE_OF_CONDUCT.md	4 months ago
CONTRIBUTING.md	Update CONTRIBUTING.md	4 months ago
NOTICE	Update NOTICE	4 months ago
PARTICIPANTS.MD	Update PARTICIPANTS.MD	yesterday
ProjectCharter.md	Update ProjectCharter.md	10 days ago
ProjectStructureAndRoles.md	Update ProjectStructureAndRoles.md	10 days ago
README.md		

MarkusKuemmerle Add files via upload e41e7b0 8 days ago History

..		
MeetingMinutes	Update AgendaNextMeeting.md	12 days ago
ressources	Add files via upload	8 days ago
CAMARA Project - CNCF Project Proposal.md	Update and rename Telco Global API Alliance CNCF Project Proposal.md ...	11 days ago
LICENSE.CC-BY	add initial version of compliance / health documents	5 months ago

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# Project governance updates

## Current status of TOR agreement between LF and GSMA



Question on possible add. legal license effects / fees when GSMA publishes the open source / royalty free APIs developed and documented in LF. Will be clarified between GSMA and LF and documented in the legal statement between both organizations. Answer in advance: Code will be kept under Apache2.0, documentation under CC4. No fees expected.



E/WBI code to also sit in LF project? All Code in LF? E/WBI in scope of this project?

Will be clarified between GSMA and LF and documented in the legal statement between both organizations. Answer in advance: E/WBI will be in scope of this project.

Terms of reference between GSMA OPAG subgroup and CAMARA project approved.

# Project governance updates

## Ericsson contribution / IPR clarification



- Solution proposed by CNCF: Apache-2.0 is the license for the project (whether code or otherwise), remove any reference to documentation as separately licensed.
- Project Charter is already changed in this way.
- Ericsson and all other partners now should check the solution
- Then the rest of the governance documents should be changed in the same way (e.g. CONTRIBUTIONS.MD, CNCF project proposal)



Update ProjectCharter.md

Clarifying the charter language to specify that Apache-2.0 applies to all contributions.

main

scooter99boston committed 4 hours ago

Showing 1 changed file with 5 additions and 6 deletions.

ProjectCharter.md

@@ -64,7 +64,7 @@ The Service APIs (incl. mapping tables for the attributes to the southbound APIs

64 64 \*\*Service scope\*\*

65 65

66 66 The service scope of the CANMA Project is limited to the following activities:

67 67

67 - Collect API requirements from GSMA OTC subgroup and other sources. That can be a (prioritized) list of API families seen as useful for the customers, a functional descriptions of the APIs (attributes, function, result), and also non-functional requirements for the APIs (response time, scalability, performance, etc.)

67 - Collect API requirements from GSMA OTC subgroup and other sources. That can be a (prioritized) list of API families seen as useful for the customers, a functional descriptions of the APIs (attributes, function, result), and also non-functional requirements for the APIs (response time, scalability, performance, etc.). All APIs developed within GSMA/OTC and contributed to the CANMA Project will be developed under Apache-2.0.

68 68 - Specify Service APIs (e.g. by Swagger) and create test plan / cases / tools from a business and customer perspective

69 69 - Develop Service APIs (and reference implementation for transformation functions)

70 70 - Create test cases and perform verification/tests from developer perspective (to show that the Service API / transformation function has been developed correctly)

76 76

77 77 \*\*Deliverables\*\*

78 78

79 - The following deliverables are provided by the CANMA Project:

79 - The following deliverables are provided by the CANMA Project [all materials developed in relation to the CANMA Project will be developed under the Apache-2.0 license]:

80 80 - Service API code (incl. reference implementation for transformation functions) and documentation and

81 81 - Test plan, cases and tools

82 82

@@ -179,10 +179,9 @@ Changes in participation and maintainership are defined in [Project Structure

179 179 Participants acknowledge that the copyright in all new contributions will be retained by the copyright holder as independent works of authorship and that no contributor or copyright holder will be required to assign copyrights to the Project.

180 180

181 181 Except with respect to alternative licenses approved by the Steering Committee as described below, all contributions to the Project are subject to the following:

182 - All new inbound code contributions to the Project must be made using the Apache license, Version 2.0, available at <https://www.apache.org/licenses/LICENSE-2.0> (the "Project license").

183 - All new inbound code contributions must also be accompanied by a Developer Certificate of Origin (<http://developercertificate.org>) sign-off in the source code system that is submitted through a steering committee approved contribution process which will bind the authorized contributor and, if not self-employed, their employer to the applicable license;

184 - All outbound code will be made available under the Project license.

185 - Documentation will be reviewed and made available by the Project under the Creative Commons Attribution 4.0 International license (available at <http://creativecommons.org/licenses/by/4.0/>).

182 - All new inbound contributions to the Project must be made using the Apache license, Version 2.0, available at <https://www.apache.org/licenses/LICENSE-2.0> (the "Project license").

183 - All new inbound contributions must also be accompanied by a Developer Certificate of Origin (<http://developercertificate.org>) sign-off in the source code system that is submitted through a steering committee approved contribution process which will bind the authorized contributor and, if not self-employed, their employer to the applicable license;

184 - All outbound materials and contributions will be made available under the Project license.

186 186 - The Project may seek to integrate and contribute back to other open source projects ("Upstream Projects"). In such cases, the Project will conform to all license requirements of the Upstream Projects, including dependencies, leveraged by the Project. Upstream Project code contributions not stored within the Project's main code repository will comply with the contribution process and license terms for the applicable Upstream Project.

187 187

188 188 The Steering Committee may approve the use of an alternative license or licenses for inbound or outbound contributions on an exception basis. To request an exception, please describe the contribution, the alternative open source license(s), and the justification for using an alternative open source license for the Project. License exceptions must be approved by a two-thirds vote of the entire Steering Committee.

# Project governance updates

## Nokia contribution / structure of open source project

GitHub  
issue #21

- **Comments will be discussed between NOKIA, LF and DT open source team**
- **Changes will then be proposed to CAMARA steering committee**

### Nokia comments to the CAMARA Project documents

- [legal] Refer only to the LF US as the legal reference (i.e., update the Policy section of the Charter)
- [legal] Remove the sentence with SEP from the charter
- [legal] Add an anti-trust guidelines section or refer to LF documents wherever possible.
- [legal] Do not reference external bodies/groups – keep this as a self-contained “standard” open source project definition so that company processes can easily apply
- [legal] Contributed files should contain both license and copyright information.
- Align definitions/vocabulary to be inline with the usual open source project interpretation.
- Remove the definition of the Telco Global API Alliance as a separate entity from the CAMARA Project – use it only as the subtitle of the Project name
- Add the definition of the entities Steering Committee and Working Group, and clarify the lifecycle/processes of all project entities and roles
- Clarify Participant roles and the processes/voting mechanisms of how roles are obtained and removed
- Create one repository per sub-group (and, as needed, for technical Working Groups)
- Apply updates inline with the above to all Project documents.
- Remove duplications of text between documents
- Many detailed changes in the text of the documents annotated by Nokia reviewers



# Project governance updates

## OPAG representation of CAMARA



### Operator Platform Group

Bringing together developers, operators, platform providers and the broader ecosystem to transform MEC Services and create the level of commonality required to achieve global, interoperable scale.

- Nomination of candidates until next meeting at 3<sup>rd</sup> of February 2022:  
Please include your proposals here:  
[https://github.com/camaraproject/rep\\_main/blob/main/documentation/MeetingMinutes/OPAG\\_Representation.md](https://github.com/camaraproject/rep_main/blob/main/documentation/MeetingMinutes/OPAG_Representation.md)
- Decision in next meeting



# Sub project status

## “Quality on Demand”

### Scope:

- Service APIs for “Quality on Demand” (see APIBacklog.md)
- It provides the customer with the ability to:
  - set quality for a mobile connection (e.g. required latency, jitter, bit rate)
  - get notification if network cannot fulfill
  - NOTE: The scope of this API family should be limited (at least at a first stage) to 4G and 5G.
- Specify, develop, document and test the APIs (with 1-2 Telcos)
- Schedule: from now to end at MWC 2022
- Location: virtually

### Team / Maintainers:

- DT: Shilpa Padgaonkar, Mariusz Soranski, Noel Wirzious, Steffen Drüsedow
- Intel: Petar Torre, Cesc Guim
- Telefonica: JOSE ANTONIO ORDOÑEZ LUCENA
- Telus: Ali Tizghadam
- Ericsson: Emil Zhang, Joachim Dahlgren, Jan Friman
- KDDI: Toshi Wakayama
- MobileedgeX: Christoph Goertz
- Orange: Sylvain Morel

### Repository (incl. first draft API spec):

- [https://github.com/camaraproject/rep\\_main/tree/main/APIs/QualityOnDemand](https://github.com/camaraproject/rep_main/tree/main/APIs/QualityOnDemand)

GitHub  
issue #15

GitHub  
issue #16

GitHub  
issue #18

GitHub  
issue #19

GitHub  
issue #20

GitHub  
issue #21

GitHub  
issue #22

Meeting minutes  
in the repository

# Working group status

## “Commonalities for APIs”

### Scope:

- Work out “Commonalities for APIs”
- Schedule: from now to 31.01.2022
- Location: virtually

### Team / Maintainers

- Microsoft: Landon Cox
- DT: Shilpa Padgaonkar
- Telefonica: Jose Ordonez-Lucena
- Intel: Petar Torre
- Ericsson: Jan Friman
- KDDI: Toshi Wakayama
- Orange: Sylvain Morel

### Repository

- [https://github.com/camaraproject/rep\\_main/tree/main/WorkingGroups/Commonalities](https://github.com/camaraproject/rep_main/tree/main/WorkingGroups/Commonalities)

GitHub  
issue #23

GitHub  
issue #28

GitHub  
issue #24

GitHub  
issue #29

GitHub  
issue #25

GitHub  
issue #30

GitHub  
issue #27

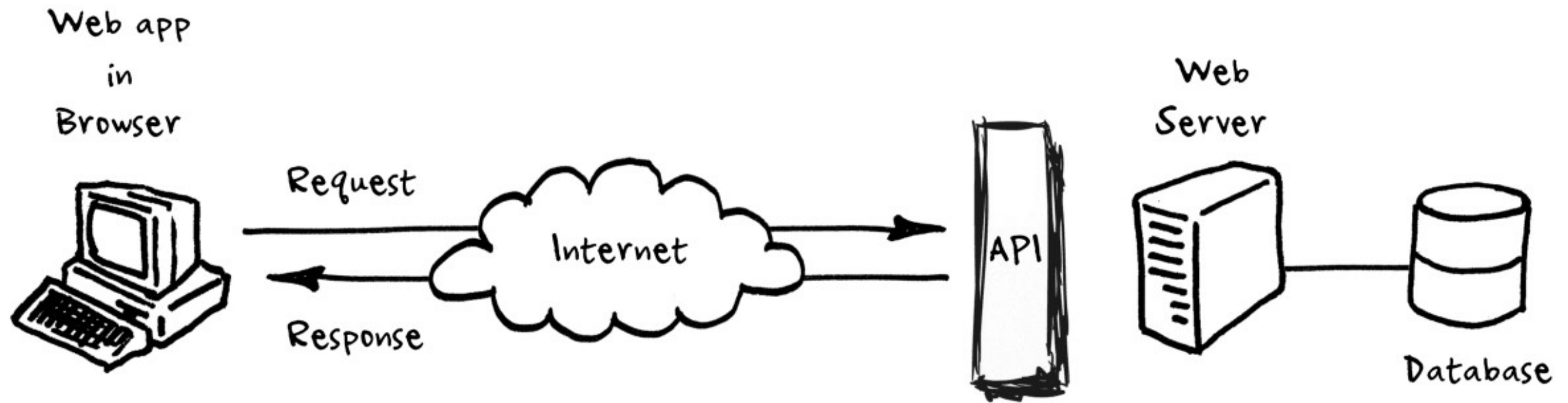
GitHub  
issue #31

Meeting minutes  
in the repository

# Ericsson contribution

## Missing API concepts

GitHub  
issue #33



Camara assumptions and  
missing concepts

- Slides attached to GitHub issue
- Issue addressed to QoD sub project and working groups Commonalities & API Backlog



# Working group status

## “API Backlog”

### Scope:

- Include contribution from OPAG and from Ericsson
- Schedule: from now to 31.01.2022
- Location: virtually

GitHub  
issue #17

### Team / Maintainers

- Ericsson: tbd.
- Telefonica: Jose Ordonez-Lucena
- KDDI: Toshi Wakayama

### Repository

- [https://github.com/camaraproject/rep\\_main/tree/main/WorkingGroups/APIBacklog](https://github.com/camaraproject/rep_main/tree/main/WorkingGroups/APIBacklog)

# Working group status

## “MWC” - CAMARA announcement - Activities

To Do...

Commitment that logo can be presented	Each partner	29.01.2022	GSMA brings logic for logo positioning and logo size
Preparation of PR	GSMA (LF)	04.02.2022	Incl. statement of GSMA & LF
Review of PR and commitment	Each partner	11.02.2022	
Publication of PR	GSMA (LF)	28.02.2022	
Get slot on GSMA stage	GSMA	14.01.2022	10 minute slot on main stage
Naming of C-level representative	Each partner	29.01.2022	For video capturing, no physical representation on MWC
Preparation of stage concept	GSMA (LF)	04.02.2022	Done: Keynote speaker + pre-captured videos of partner management representative
Review of stage concept and commitment	Each partner	11.02.2022	Done in workgroup meeting 18.01.2022
Preparation of stage event	GSMA (LF)	25.02.2022	Capture videos, cut it to a 3 minutes common partner video. Get keynote speaker
GSMA stage event	GSMA (LF)	???	
Workout concept for coordinated marketing at partner booth / social media	Working Group MWC	18.01.2022	1. Onepager (for PRs, presentations, flyer), 2. Slide deck (detailed), 3. Webinar
Prepare draft for marketing material	Markus	22.01.2022	
Review of marketing material and commitment	Each partner	29.01.2022	
Distribution of marketing material to all partners	GSMA (LF)	04.02.2022	

# Working Group status

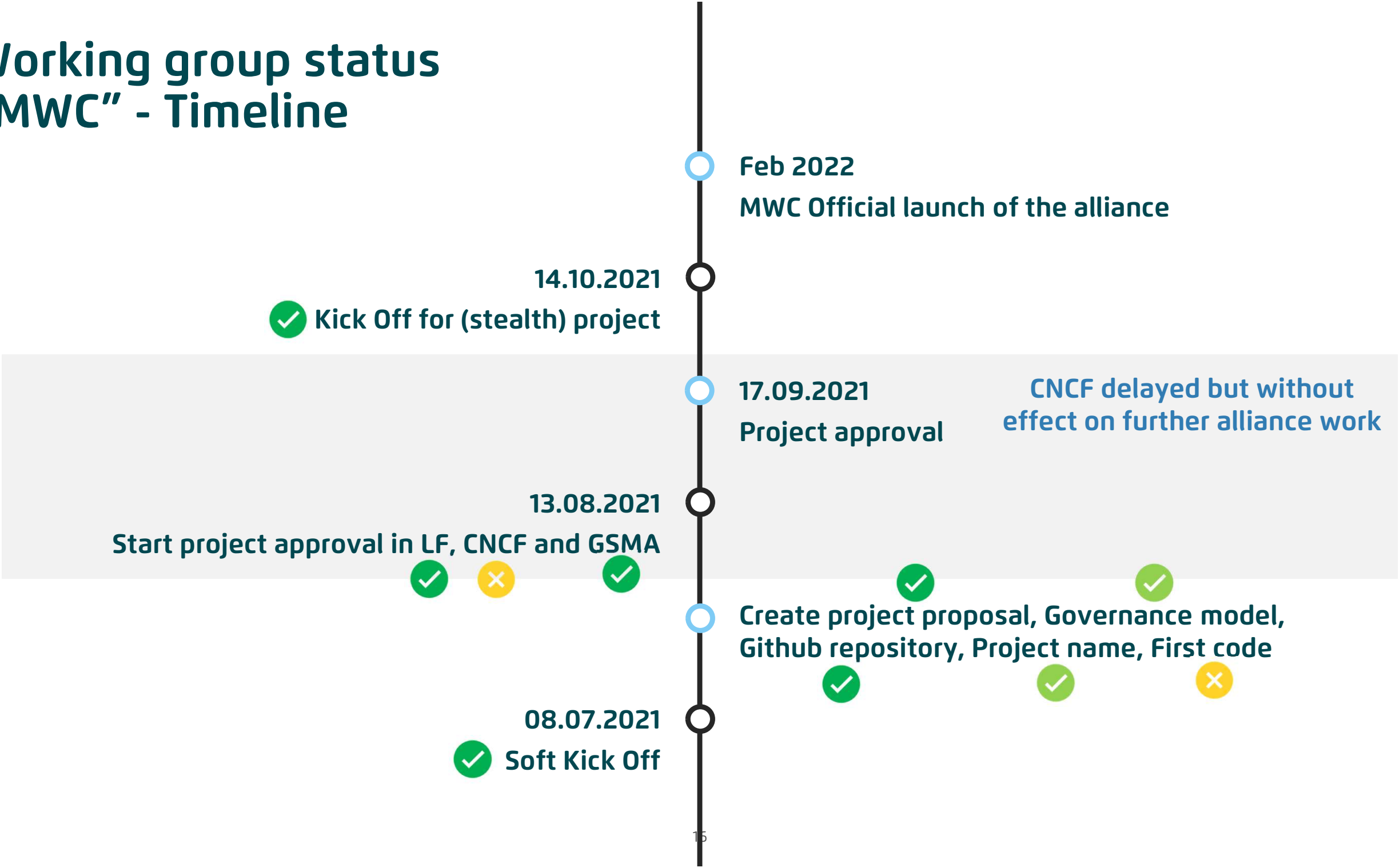
## "MWC" - CAMARA announcement - Current logo commitment



GSMA brings logic  
for logo positioning  
and logo size

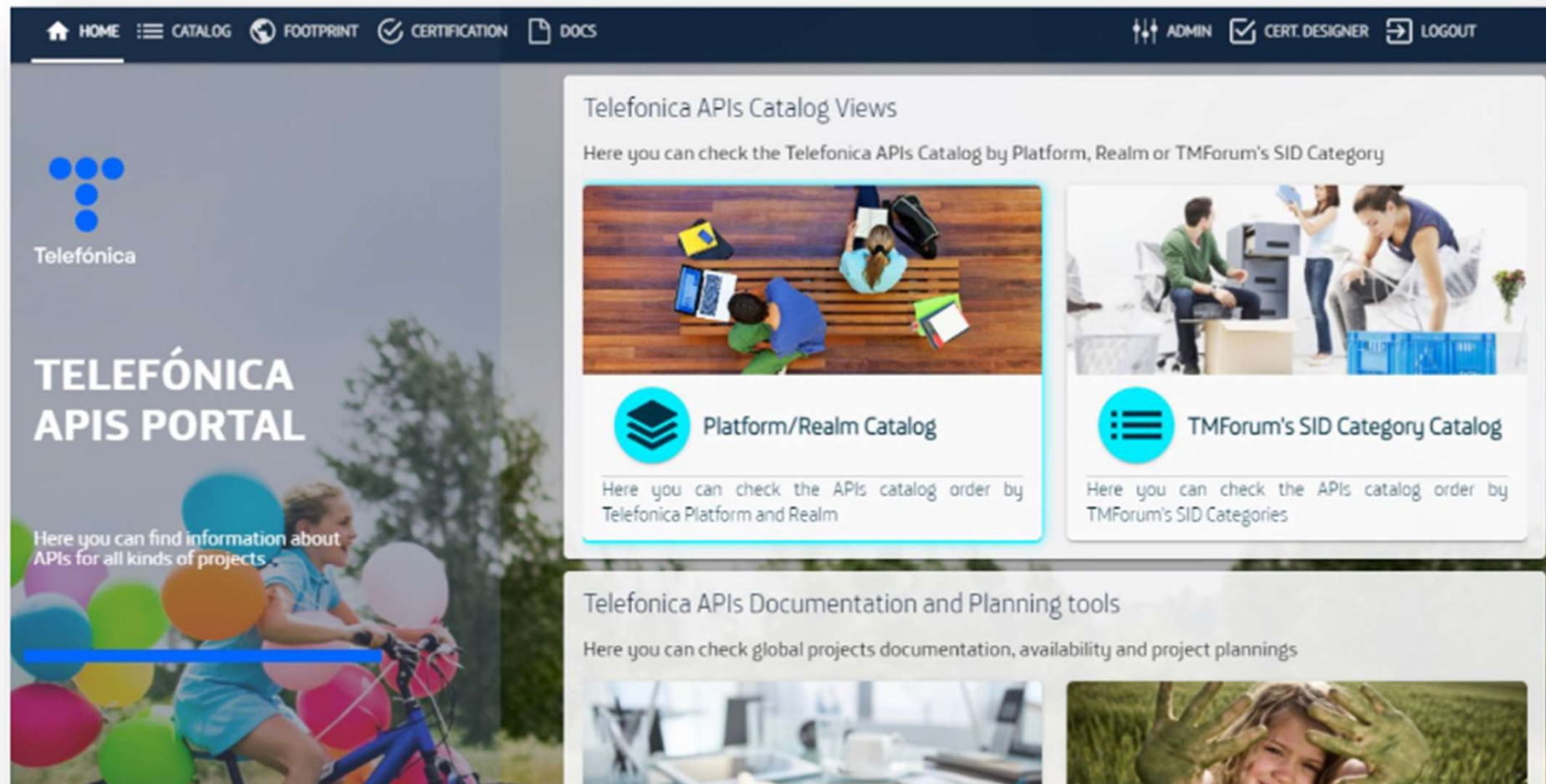
# Working group status

## "MWC" - Timeline





# Telefonica contribution API portal



Will again be put on  
the agenda of the  
next meeting for  
Q&A

# GitHub open issues

## Reference architectures

GitHub  
issue #7

As discussed in last call. Telefonica provided file with reference architectures. Please review and provide feedback.



“This issue is to check if the team agrees on the architecture(s) to be used as a reference. The initial proposal is to use the (1) ITU-T Cloud Reference Architecture; and 2) TMF Network as a Service framework.

We do not pretend to include architecture work of the project (that we understand should be focusing on developing the APIs) but to understand (and hopefully agree) on the context for such APIs, helping operators and technology providers that may be willing to include these APIs in their products.

The attached PPT provides a quick overview of the reference architectures and presents a proposal for linking the different API families with them. We'd like to know the view of the rest of participants.”



**CAMARA**

The Telco Global API Alliance

A0B