CAMARA
THE TELCO GLOBAL API ALLIANCE

Steering Committee
February 9th 2023

09.02.2023

Agenda

Welcome new participants
Public Github repository for CAMARA project

Subscribe to "all+subscribe@ lists.camaraproject.org"

to start contributing

CAMARA
THE TELCO GLOBAL API ALLIANCE

last commit yesterday | issues 1 open | pull requests 2 open | contributors 53 | repo size 60.6 MB | License Apache 2.0

Mission statement • Project Charter • Code of Conduct • Working Language • Steering Committee • Documentation • Support and Feedback • Contribute • Contributors • Licensing

https://github.com/camaraproject/Governance

Quorum given? Votes are done by email circulation

5GFF	Jeremy Giese (Parry Booker, Kevin Smith)	✓	❌
AT&T	Wiley Wilkins (Barry Elia)	✓	
Capgemini	Deepak A. Gunjal	✓	
Deutsche Telekom AG	Nathan Rader (Markus Kümmerle)	✓	
Ericsson	Bart van Kaathoven (Jan Friman)	✓	
Google Cloud	Sridhar Gollapudi	✓	
GSMA	Henry Calvert	✓	
IBM	Jason Hunt (Zyg Lozinski)	✓	
Intel	Petar Torre	✓	
Kandy	Philip Lintell	✓	
KDDI	Shingo Watanabe (Toshiyasu Wakayama)	✓	
Microsoft	Landon Cox (Ricardo Villarreal)	✓	
Nokia	Tanja de Groot (Chris Jones)	✓	
ORANGE	Sylvain Morel	✓	
Scenera	David Lee	✓	
T-Mobile US	Lyle Bertz	✓	
TIM	Roberto Procopio (Fabrizio Moggio)	✓	
Telefonica	Juan Carlos Garcia (Jose A Ordonez Lucena)	✓	
TELUS	Ali Tizghadam	✓	
Vodafone	Steven Pater	✓	

Huawei Steering Committee application

Huawei Apply to Join CAMARA

SC as Voting Member

9th Feb. 2023

Security Level: Confidential

HUAWEI

Steering Committee decision necessary → vote by email circulation

New Sub Project for Identity & Consent Management

Field	Description
API family name	Identity and Consent Management
API family owner	Telefonica
API family summary	**High level description** Operator (NaaS) platform implementing CAMARA APIs should be built with a privacy-by-default approach to fully comply with data protection regulations like the GDPR regulation in Europe, which emphasises on user's privacy. These regulations note that some CAMARA APIs may require user consent to be accessed. This forces the operators to provide means and appropriate solutions to capture, store and manage this consent through its lifecycle. Otherwise, the scoped CAMARA APIs cannot be rolled out in production networks. Building such a solution also means bringing in scope the identity of the end user and/or the subscriber (as both could be different) and making sure that end user experience of using the API is not compromised while doing so. **Input params** N/A **Output params** N/A **Notifications** N/A **Notes** APIs around managing consent are expected to be contributed in this subproject. Certain concepts from this subproject will be contributed to the Commonalities WG.
Technical viability	N/A
Commercial viability	There is no a direct commercial expectation from this API family -- it is an enabler instead. Identity and Consent Management API family includes one or more APIs which will allow other CAMARA APIs to be commercialized, provided those CAMARA APIs require user consent to be accessed as per in-scope data protection regulations.

https://github.com/camaraproject/WorkingGroups/blob/main/APIBacklog/documentation/SupportingDocuments/API%20proposals/APIFamilyproposal_Identity%26Consent.md

Steering Committee decision necessary → vote by email circulation

YAML code available?	N/A
Validated in lab/productive environments?	No
Validated with real customers?	No
Validated with operators?	No

Project governance updates
CC4 for marketing materials

Nokia proposal: "Per discussion with our legals, the Apache 2.0 license is not appropriate for marketing material which includes logos, etc.

Is it possible to change the license of the Marketing Working Group to the CC BY 4.0 license ?"

TMUS addition: "And state that API definitions / API documentation / API code is not allowed in that subdirectory."

Steering committee decision necessary
→ vote by email circulation

Project governance updates
MWC events, update of marketing material

Mobile World Congress 27 FEBRUARY – 02 MARCH 2023, BARCELONA

CAMARA Keynote on 5G Futures Summit
Wednesday 1st March 09:35 – 09:45
Fira Gran Via, Barcelona Hall 6, Via Av. Joan Carles I, 64 08908 L'Hospitalet de Llobregat Barcelona

CAMARA Meet & greet event
Thursday 2nd March 11:00 – 12:30
Fira Gran Via, Barcelona Room CC71.1A, Via Av. Joan Carles I, 64 08908 L'Hospitalet de Llobregat Barcelona
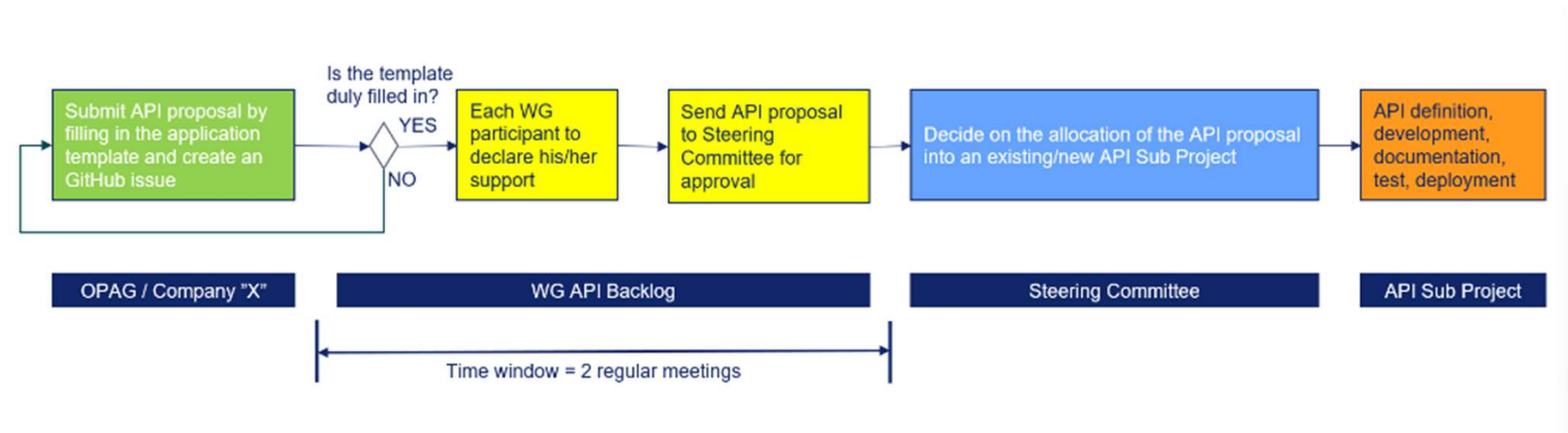
Project governance updates

API onboarding and management in CAMARA

Introduction

This document aims at describing a clear, consistent and transparent process for the onboarding (submission) and management (maintenance) of API proposals and APIs in the CAMARA Project.

The process pipeline is depicted in the figure below.

All stages within this process pipeline are documented in the CAMARA API overview list. An example can be seen here:

API family name	API family owner	API family proposal registration date	Link to the filled-in application template	Supporters in API Backlog Working Group	Steering Committee date	Steering Committee decision / Sub Project	API name	API release	Link to API definition	Link to API documentation	Link to API code	API tested at	API deployed at company and country
Quality on Demar	DT	01.07.2021	\<link\>	DT, OR, TEF, VF	01.08.2021	Quality on Demar	Quality on Demar	0.1.0	\<link\>	\<link\>	\<link\>	DT	DT-Germany
								0.8.0	\<link\>	\<link\>			

All CAMARA participants are invited to review the pull request and provide feedback:

https://github.com/camaraproject/Governance/pull/65

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 31.12.2022
- Location: virtually

Repository (incl. first draft API specs):
- https://github.com/camaraproject/QualityOnDemand
- Latest release:
  https://github.com/camaraproject/QualityOnDemand/tree/release-0.8.1

Mailing list
- https://lists.camaraproject.org/g/sp-qod / sp-qod@lists.camaraproject.org

Meetings
- Virtual, bi-weekly, Friday, 2 PM CET, next on Feb 10th

Maintainers
- DT: Herbert Damker
- Ericsson: Emil Zhang
- KDDI: Toshi Wakayama
- Orange: Sylvain Morel (Patrice Concil)
- Telefonica: José Luis Urién, Jesús Peña
- Verizon/5GFF: Syed Rehman
- Vodafone: Eric Murray

OPAG Observer:
- Milan Lalovic (BT)

Code Owner
- Herbert Damker (DT)
- Shilpa Padgaonkar (DT)

10

Sub Project status "Quality on Demand"

Deliverable	Required/Optional (R/O)	Current status / Achievements
API Definition	R	Fixes to v0.8.0 done. **Current released version: v0.8.1** Version v0.9.0 "work in progress" (within main branch)
API doc/user stories/testcases	R	**API documentation updated with API definition v0.8.1**
Implementation	R	Three repositories for Provider Implementations (PI): • QualityOnDemand_PI1 by Deutsche Telekom (v0.8.x to be contributed) • QualityOnDemand_PI2 by Orange (first contribution available) • QualityOnDemand_PI3 by Spry Fox Networks (repo created)
API Reviews and extensions		PRs in review (for v0.9.0) • Introduce 'qosStatus' and corresponding notification event to fix issue #38 • Align error format with Commonalities guidelines Further selected issues in work (for v0.9.0) • Alignment with API design guidelines • Resolving ueAddr ambiguity when it is the UE private address

Sub Project status "Edge Cloud"

Scope:
- Service APIs for "Edge Cloud" (see APIBacklog.md)
- A (family of) APIs providing API consumers the ability to:
  - Onboard and manage application images to be deployed on resources within the operator network.
  - Use reserved compute resources within the operator network for the deployment of applications on VMs or containers
  - Discover the closest/optimal edge instance for the application client to connect to
  - Influence the traffic from the UE to the Edge instance of the Application,
  - NOTE: The scope of this API family should be limited (at least in the short term) to 4G and 5G.
- Describe, develop, document and test the APIs (with 1-2 Telcos)
- Schedule: ~~from now to 31.12.2022~~ biweekly
- Location: virtually (Tue, 16-17 CET/CEST)

Team / Maintainers:
- Broadpeak: Tuan Tran, Christoph Neuman
- Capgemini: Deepak Gunjal
- DT: Yamina Kelm, Shilpa Padgaonkar
- GSMA: Tom Van Pelt, Mark Cornall
- Intel: Larry Horner
- KDDI: Toshi Wakayama
- MSFT: Landon Cox
- EdgeXR: Jon Gainsley

- Nabstract: Babu
- Orange: Alexandru Ciinaru, Sylvian Morain
- Scenera: Andrew Wajs
- TEF: Cristina Santana
- TIM: Fabrizio Moggio, Marco Signorelli, Raffaele P.
- VF: Eric Murray, Kevin
- 5GFF: Kevin, Senthoor, Brett, Syed, Mashesh, Raghuram

Repository (https://github.com/camaraproject/EdgeCloud)
Lists: https://lists.camaraproject.org/g/sp-edc (subscribe) / sp-edc@lists.camaraproject.org (mail list)

12

Sub Project status "Edge Cloud"

Overview

5 Active pull requests   2 Active issues

⌥ 3	⇅ 2	⊘ 1	⊙ 1
Merged pull requests	Open pull requests	Closed issue	New issue

Status APIs

API	Owner	YAML available
MEC exposure and experience management API	5GFF	Y
Simple edge discovery API		
Application Artifacts Management API	OPAG	Y
Application Provider Resource Management API		
Application Onboarding Management API		
Application Instance Lifecycle Management API		
Code of former MobiledgeX	EdgeXR	Y
Traffic Influence API	TIM	Y
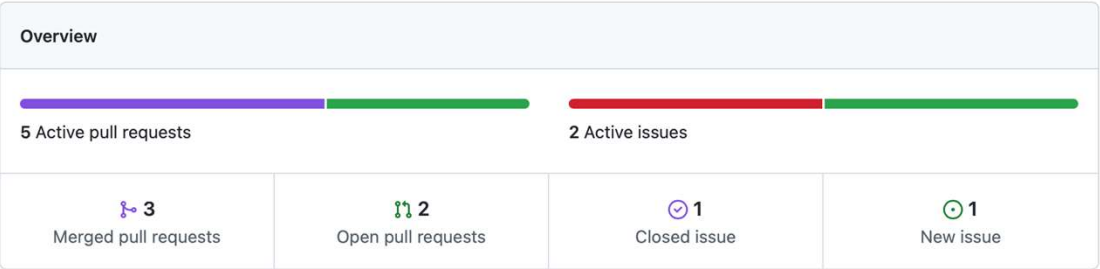
Golden nuggets in last month:
- **5GFF APIs have aligned taxonomy -> 'Simple edge discovery' is a profile (subset) of 'MEC Exposure and Experience Management API'.**
- **Stable version for 5GFF APIs.**
- **Stable version for 'Traffic Influence API'.**
- **Live testing achieved for 'simple edge discovery API**
- Started activity to harmonise the various APIs into a coherent suite for developers

13

Sub Project status "Edge Cloud"

Deliverable	Required/Optional (R/O)	Current status / Achievements
API Definition	R	(See Note below)
API doc/user stories/testcases	R	
Implementation	R	
API Reviews and extensions		
Note: API harmonisation Since APIs have been contributed by 3 organisations, we are working to harmonise them. See 'describing and harmonising the APIs'		

Sub Project status "Device Status"

Scope:
- Service APIs for "Device Status" (see APIBacklog.md)
- It provides the customer with the ability to:
  - check if a device is losing connection to the network or gets reachable again, and the roaming status.
- Describe, develop, document and test the APIs (with 1-2 Telcos)
- Started: July 2022
- Repository: https://github.com/camaraproject/DeviceStatus
- Mailing List: https://lists.camaraproject.org/g/sp-dst / sp-dst@lists.camaraproject.org

Team / Maintainers:
- DT: N. Wirzius
- Orange: Sylvain Morel
- Telefonica: Mona Mokhber, Jesús Peña
- Vodafone: Eric Murray, Kevin Smith
- Ericsson: Joachim Dahlgren

Status:
- Yaml available on repository: https://github.com/camaraproject/DeviceStatus
- bi-weekly (odd weeks), Wednesday, 11 AM CET
- Pull request: 2 Open, 10 Closed -> New Features MCC + Country name
- Issues: 5 Open, 4 Closed -> New Events + Subscription

Sub Project status "Device Location"

Scope:
- Service APIs for "Device Location" (see APIBacklog.md)
- It provides the customer with the ability to:
  - check the location of a device.
  - NOTE: The scope of this API family should be limited (at least at a first stage) to 4G and 5G.
- Describe, develop, document and test the APIs (with 1-2 Telcos)
- Started: July 2022
- Location: Microsoft Teams meeting. Biweekly (odd weeks), Tuesdays, 9:00 AM CET

Team / Maintainers:
- DT: N. Wirzius
- Orange: Sylvain Morel, Ludovic Robert
- Telefonica: José Luis Urien, Jesús Peña
- Vodafone: Kevin Smith

Status:
- Yaml available on repository: https://github.com/camaraproject/DeviceLocation
- Meeting Minutes
- Pull request: 2 Open, 12 Closed
- Issues: 5 Open, 3 Closed

Mail list: https://lists.camaraproject.org/g/sp-dlo   Messages to sp-dlo@lists.camaraproject.org

Golden nuggets in last month:
- First meeting held on Jan 31st
- Release v0.1.0 consolidated
- Several enhancements towards v0.2.0 are being discussed

Sub Project status "Device Location"

Deliverable	Required/Optional (R/O)	Current status / Achievements
API Definition	R	Current version: v0.1.0 Branch dev-v0.2.0 for change proposals, currently 1 PR under discussion + several issues
API doc/user stories/testcases	R	API documentation updated for API definition v0.1.0
Implementation	R	Not yet
API Reviews and extensions		PRs in review (for v0.2.0): • YAML Update: add UNKNOWN for verify location Relevant issues open (for v0.2.0): • Enhancing response to cover partial matches • Subscription for Location Area • Alignment with guidelines

17

Sub Project status "AnonymisedSubscriberIdentifier"

Scope:
- Service APIs for "AnonymisedSubscriberIdentifier" (see APIBacklog.md)
- It provides the customer with the ability to:
  - obtain a consistent but anonymised identity for a client device (specifically, the associated ISP subscription) attempting to access services, independently of any identity that the device itself may announce if any.
- Describe, develop, document and test the APIs (with 1-2 Telcos)
- Started: October 2022
- Meetings: Bi-weekly at 15:00 GMT starting Friday 9th December 2022
- Repository: https://github.com/camaraproject/AnonymisedSubscriberIdentifier
- Mailing List: https://lists.camaraproject.org/g/sp-asi / sp-asi@lists.camaraproject.org

Team / Maintainers:
- Vodafone: Kevin Smith, Eric Murray, Ludovic Robert, Rafal Artych

Status:
- API definition now at V0.0.1
- Two open issues:
  - Issue #4: Update commonalities glossary with subproject relevant terms
  - Issue #7: Should the anonymised identifier be domain specific?
- Further development of the API definition awaiting resolution of a number of issues currently within Commonalities WG

Sub Project status
"Carrier Billing Check Out"

Scope:
- Service APIs for "CarrierBillingCheckOut" (see APIBacklog.md)
- It provides the customer with the ability to purchase and pay digital goods, using as Payment Method Carrier Billing, i.e.: the operator performs the billing of the goods.
  NOTE: The scope of this API family should be limited (at least at a first stage) to 4G and 5G.
- Describe, develop, document and test the APIs (with 1-2 Telcos)
- Started: October 2022
- Location: virtually (weekly, Wed, 4:00 PM CET)

Maintainers/ Code Owners:
- GSMA: G Williams
- KDDI: Toshi Wakayama
- Orange: Sylvain Morel, Ludovic Robert
- STC: Alabajnaid
- Telefonica: Pedro Diez, Diego Gonzalez

Repository: https://github.com/camaraproject/CarrierBillingCheckOut
- Issues: 6 open, 2 closed
- Pull requests: 2 open, 4 closed
- Meeting Minutes

Golden nuggets in last month:
- Weekly meeting changed (Wednesday, 4:00 PM CET)
- Updated README.md file to explain existence of two API solutions
- Agreed a way forward to work on generating v1.0 of the APIs with the same level of functionality (and also considering/discussing inputs by WG participants)

6 Active pull requests   8 Active issues

⌥ 4	⇅ 2	⊘ 2	⊙ 6
Merged pull requests	Open pull requests	Closed issues	New issues

19

Mail list: https://lists.camaraproject.org/g/sp-cbc / sp-cbc@lists.camaraproject.org

Sub Project status
"Carrier Billing Check Out"

Deliverable	Required/Optional (R/O)	Current status
API Definition	R	V0.5.0 submitted of both API solutions Carrier Billing Checkout (https://github.com/camaraproject/CarrierBillingCheckOut/blob/main/code/API_definitions/carrier_billing_checkout.yaml) Carrier Billing Payment (https://github.com/camaraproject/CarrierBillingCheckOut/blob/main/code/API_definitions/carrier_billing_payment.yaml)
API doc/user stories/testcases	R	First version available (see https://github.com/camaraproject/CarrierBillingCheckOut/blob/main/documentation/API_documentation/Carrier%20Billing%20User%20Story.md)
Implementation	R	Not yet
API Reviews and extensions		Not yet

Sub Project status "DeviceIdentifier"

Scope:
- Service APIs for "DeviceIdentifier" (see APIBacklog.md)
- It provides the customer with the ability to:
  - obtain the identity and make / model of the device currently being used by a mobile subscriber
- Describe, develop, document and test the APIs (with 1-2 Telcos)
- Started: October 2022
- Meetings: Bi-weekly at 15:00 GMT starting Friday 9th December 2022
- Repository: https://github.com/camaraproject/DeviceIdentifier
- Mailing List: https://lists.camaraproject.org/g/sp-dvi / sp-dvi@lists.camaraproject.org

Team / Maintainers:
- Vodafone: Kevin Smith, Eric Murray, Ludovic Robert, Rafal Artych

Status:
- API definition now at V0.0.1
- One open issue:
  - Issue #4: Update commonalities glossary with subproject relevant terms
- Further development of the API definition awaiting resolution of a number of issues currently within Commonalities WG

Sub Project status
"Home Devices QoD"

Scope:
- Service APIs for "Home Devices QoD" (see APIBacklog.md)
- Quality on demand control applied to devices connected to the user home network. It provides the customer with the ability to change DSCP value for the IP traffic corresponding to a specific user home device.
- Describe, develop, document and test the APIs (with 1-2 Telcos)
- Started: October 2022
- Location: virtually (weekly, Thu, 5 PM CET)

Maintainers/ Code Owners:
- Orange: Ludovic Robert, Sylvain Morel.
- ~~Scenera: Andrew Wajs~~ (discontinued participation)
- Telefonica: Jesús Peña, Mona Mokhber
- DT: Rafal Artych (TBC if DT final reference contact/s)

Repository: https://github.com/camaraproject/HomeDevicesQoD
- Issues: 3 open, 4 closed
- Pull requests: 1 open, 13 closed
- Meeting Minutes

6 Active pull requests   5 Active issues

| ⑂ 5 | ⮁ 1 | ⊘ 3 | ⊙ 2 |
| Merged pull requests | Open pull request | Closed issues | New issues |

Mail list: https://lists.camaraproject.org/g/sp-hdp / sp-hdp@lists.camaraproject.org

22

Golden nuggets in last month:
- API version v0.1.0 is merged in main branch including API definition YAML file, user stories doc file and API documentation file. This API version corresponds to the one TEF will bring to MWC.
- A new branch v0.2.0 has been created including some minor changes. Further changes in API definition (if any) will be addressed in this version or subsequent versions.
- Orange is OK with current proposal but they will not provide further feedback on API or uses cases in the short-term.
- DT still pending to get involved (awaiting technical contacts confirmation).

Sub Project status "Home Devices QoD"

Deliverable	Required/Optional (R/O)	Current status
API Definition	R	V0.1.0 submitted (see https://github.com/camaraproject/HomeDevicesQoD/tree/main/code/API_definitions)
API doc/user stories/testcases	R	1st version of user stories doc in API documentation being addressed in issue #9 and PR #10
Implementation	R	Not yet
API Reviews and extensions		Not yet

Sub Project status "NumberVerification"

Scope:
- Service APIs for "NumberVerification" (see APIBacklog.md)
- It provides the customer with the ability to:
  - verify the phone number of the device connected to the mobile data network.
  - NOTE: The scope of this API family should be limited (at least at a first stage) to 4G and 5G.
- Describe, develop, document and test the APIs (with 1-2 Telcos)
- Started: October 2022
- Location: virtually (MS Teams)
- Bi-weekly Main session Tuesday's at 4:30PM CET (Thursday's 8:30AM CET for Asia) - starting week 42

Team / Maintainers:
- 10 members
- TEF: Mona Mokhber, José Luis Urién
- Orange: Ludovic Robert
- Airtel: Varun Talus, Pardeep Singla, Ramit Chawla
- TIM Brasil: Paulo Cesar Dias Lima, Anderson De Souza Marinho

Repository: https://github.com/camaraproject/NumberVerificatio
Subscribe to mailing list: sp-nve+subscribe@lists.camaraproject.c

NUMBER VERIFY API AVAILABLE IN TWO FLAVOURS:
- **MOBILE CONNECT**
- **CAMARA**

YAML CODE (V 0.1.0) & API DOCUMENTATION AVAILABLE INSIDE REPOSITORY

CAMARA

MOBILE CONNECT

24
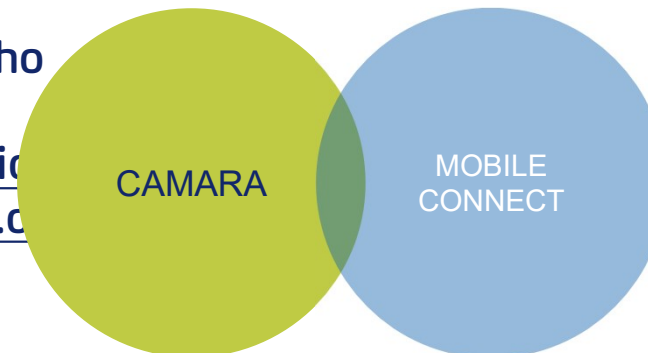
Sub Project status "OTPvalidationAPIs"

Scope:
- Service APIs for "OTPvalidationAPIs" (see APIBacklog.md)
- It provides the customer with the ability to:
  - offer secure user authentication to Service Providers.
  - NOTE: The scope of this API family should be limited (at least at a first stage) to 4G and 5G.
- Describe, develop, document and test the APIs (with 1-2 Telcos)
- Started: October 2022
- Location: virtually (MS Teams)
- Bi-weekly Main session Tuesday's at 4:30PM CET (Thursday's 8:30AM CET for Asia) - starting week 42

- **YAML CODE AVAILABLE (V 0.1.0)**
- **API DOCUMENTATION DELIVERED & AVAILABLE INSIDE REPOSITORY**

Team / Maintainers:
- 11 members
- TEF: Mona Mokhber, José Luis Urién
- Orange: Ludovic Robert

Repository: https://github.com/camaraproject/OTPvalidationAPI
Subscribe to mailing list: sp-nvs+subscribe@lists.camaraproject.org

Sub Project status "SimSwap"

Scope:

- Service APIs for "SimSwap" (see APIBacklog.md)
- It provides the customer with the ability to:
  - obtain information on any recent SIM pairing change related to the User's mobile account
  - NOTE: The scope of this API family should be limited (at least at a first stage) to 4G and 5G.
- Describe, develop, document and test the APIs (with 1-2 Telcos)
- Started: October 2022
- Location: virtually (MS Teams)
- Bi-weekly Main session Tuesday's at 4:30PM CET (Thursday's 8:30AM CET for Asia) - starting week 42

Team / Maintainers:

- 9 members
- TEF: Mona Mokhber, José Luis Urién
- Orange: Ludovic Robert, Patrice Conil, Sylvain Morel
- TIM Italy: Fabrizio Moggio

Repository: https://github.com/camaraproject/SimSwap
Subscribe to mailing list:sp-ssw+subscribe@lists.camaraproject.o

SIM SWAP API AVAILABLE IN TWO FLAVOURS:
- **MOBILE CONNECT**
- **CAMARA**

YAML CODE & API DOCUMENTATION AVAILABLE INSIDE REPOSITORY

CAMARA

MOBILE CONNECT
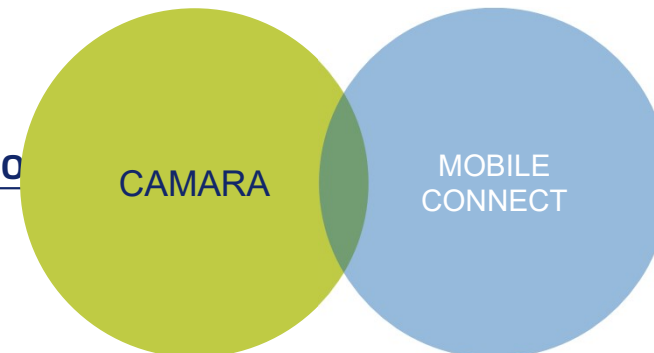
Working Group status "Commonalities for APIs"

Scope:
- Work out "Commonalities for APIs"
- Schedule: from now to end of 2022
- Location: virtually

Team / Contributors:
- DT: Shilpa Padgaonkar
- Telefonica: Jose Ordonez-Lucena, Ruben Barrado Gonzalez
- Intel: Petar Torre, Francesc Guim
- Ericsson: Jan Friman, Miguel A. García-Martín
- KDDI: Toshi Wakayama
- Orange: Sylvain Morel, Olivier Mathieu
- TIM: Fabrizio Moggio
- Vodafone: Kevin Smith, Eric Murray, Ivan Nieto
- AT&T: Shahram Mohajeri
- GSMA: Faisal Zia, Tom van Pelt, Mark Cornall
- Accenture: Adriano Poloni, Giuseppe Di Nuccio
- Broadpeak: Christoph Neumann

Repository
- https://github.com/camaraproject/WorkingGroups/tree/main/Commonalities

Meeting minutes in the repository

GitHub issue #151	GitHub issue
GitHub issue	GitHub issue (PR149) (PR150)
GitHub issue #118 (PR123)	GitHub issue
GitHub issue #61 (PR148)	GitHub issue #60 (PR68)

Working Group status "Commonalities for APIs"

Deliverable	Format	Main Contributor	Current status
User consent documentation	Markdown	Telefonica	In review
API design guidelines	Markdown	Telefónica	Approved

Working Group status "API Backlog"

Scope:

- Work out the list of APIs to be developed in CAMARA
  - Any API proposal is internally discussed and assessed, according to well-defined criteria
  - A report is sent out to the SteerCo, which takes it into consideration for deciding whether this API proposal is to be worked out in CAMARA or not, and how.
- Started: May 2022
- Location: virtually (bi-weekly, Thu, 15-15h30 CET/CEST)

Contributors:

- Accenture: Giuseppe Di Nuccio
- AT&T: Sharam Mohareji
- Deutsche Telekom: Noel Wirzius, Shilpa
- Ericsson: Jan Friman, Miguel Garcia
- GSMA: Mark Cornall
- Infobip: Kwok Onn Looi
- IBM: Jason Hunt

- KDDI: Toshi Wakayama, Yusuke
- Scenera: Andrew Wajs
- T-Mobile NL: Muhammad Ahmad
- Telefonica: Jose Ordonez-Lucena, Rubén Barrado
- TIM: Fabrizio Moggio
- Vodafone: Kevin Smith, Eric Murray, Ivan Nieto

Repository (https://github.com/camaraproject/WorkingGroups/tree/main/APIBacklog)
- Meeting minutes:
  https://github.com/camaraproject/WorkingGroups/tree/main/APIBacklog/documentation/MeetingMinutes

GitHub issue #57 — PR65

GitHub issue #144 — PR135

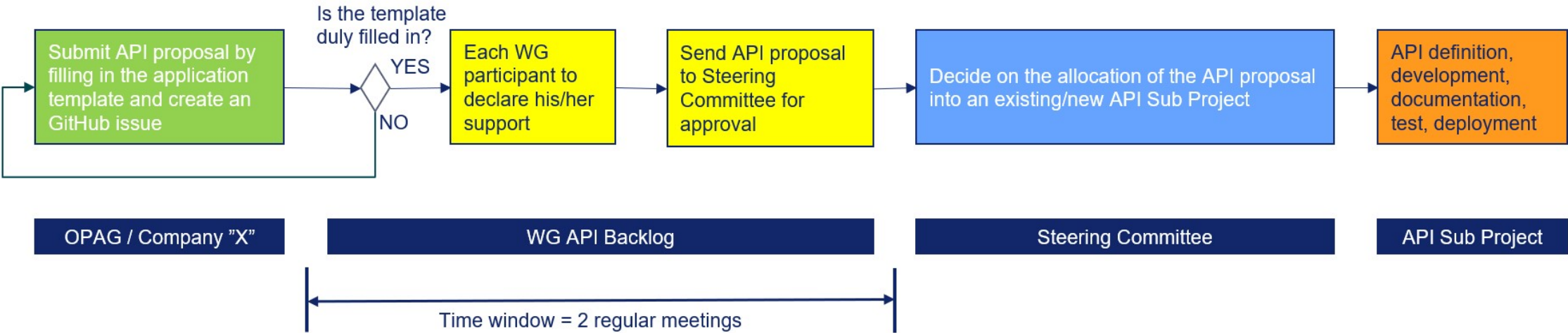**GitHub issue #152** — PR131

Golden nuggets in last month:

- New Proposal for new Sub-Project on Identity & Consent (issue #144)
- Description of API (families) onboarding process updated in Governance (issue #57)
- Template for live backlog table updated with complete lifecycle info (issue #152)
- PRs closed: 116, 129, 134

Working Group status "API Backlog"

New template for live backlog table (see PR#131)

API family name	API family owner	API family proposal registration date	Link to the filled-in application template	Supporters in API Backlog Working Group	Steering Committee date	Steering Committee decision / Sub Project	API name	API release	Link to API definition	Link to API documentation	Link to API code	API tested at	API deployed at company and country
Quality on Demar	DT	01.07.2021	\<link\>	DT, OR, TEF, VF	01.08.2021	Quality on Demar	Quality on Demar	0.1.0	\<link\>	\<link\>	\<link\>	DT	DT-Germany
								0.8.0	\<link\>	\<link\>			

Working Group status "Marketing"

Scope:
- Plan and perform marketing activities for CAMARA
- Maintain marketing material (onepager, presentation, website, GitHub, …)
- Started: November 2021
- Location: virtually

Team / Contributors:
- https://github.com/camaraproject/WorkingGroups/blob/main/Marketing/WG_PARTICIPANTS.MD

Repository
- https://github.com/camaraproject/WorkingGroups/tree/main/Marketing

GitHub issue #132

New template for CAMARA presentations

Ask partners to join logo list