



Steering Committee

November 10th 2022

10.11.2022

Agenda

01 Welcome new participants

02 Qorum given?

03 Project governance updates

04 Sub Project status

05 Working Group status

06 AOB

Welcome new participants

Public Github repository for CAMARA project



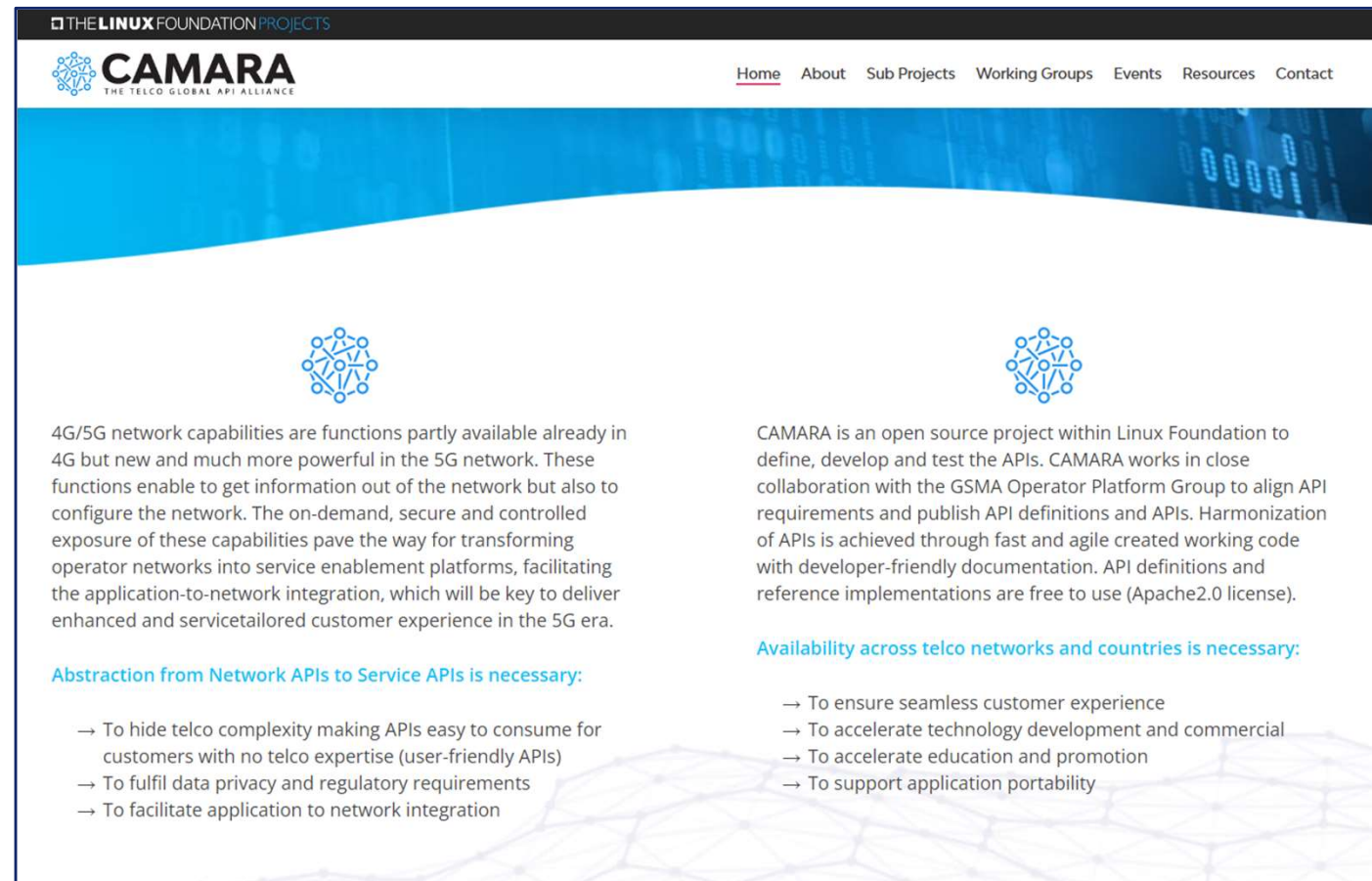
<https://github.com/camaraproject/Governance>

Quorum given? Yes

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	✓
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	✓

Project governance updates

CAMARA website live



www.camaraproject.org

Project governance updates

CAMARA mailing lists available

adm A mailing list for the admins Created: Jun 28 4 Members, 3 Topics, Public Archives, Restricted, Last Post: Oct 25
all A mailing list for the whole CAMARA Project participants Created: Jun 28 229 Members, 1 Topic, Public Archives, Restricted, Last Post: Aug 11
tsc A mailing list for the steering committee Created: Jun 28 31 Members, 2 Topics, Public Archives, Restricted, Last Post: Oct 10

3 specific lists

sp-asi Sub Project "Anonymised Subscriber Identifier" Created: Oct 18 7 Members, 0 Topics, Public Archives, Restricted
sp-cbc Sub Project "Carrier Billing - Check Out" Created: Oct 18 9 Members, 0 Topics, Public Archives, Restricted
sp-dlo Sub Project "Device Location" Created: Oct 10 17 Members, 0 Topics, Public Archives, Restricted
sp-dst Sub Project "Device Status" Created: Oct 10 17 Members, 1 Topic, Public Archives, Restricted, Last Post: Oct 25
sp-dvi Sub Project "Device Identifier" Created: Oct 18 5 Members, 0 Topics, Public Archives, Restricted
sp-edc Sub Project "Edge Cloud" Created: Jul 5 44 Members, 0 Topics, Public Archives, Restricted
sp-hdp Sub Project "Home Devices Prioritization" Created: Oct 18 6 Members, 0 Topics, Public Archives, Restricted
sp-nve Sub Project "Number Verification" Created: Oct 18 10 Members, 2 Topics, Public Archives, Restricted, Last Post: Oct 28

sp-nvs Sub Project "Number Verification SMS 2FA" Created: Oct 18 11 Members, 3 Topics, Public Archives, Restricted, Last Post: Oct 28
sp-qod Sub Project "Quality on Demand" Created: Jul 5 27 Members, 1 Topic, Public Archives, Restricted, Last Post: Nov 2
sp-ssw Sub Project "Sim Swap" Created: Oct 18 9 Members, 4 Topics, Public Archives, Restricted, Last Post: Oct 28

11 Sub Project lists

3 Working Group lists

wg-abl Working Group "API Backlog" Created: Jul 5 18 Members, 0 Topics, Public Archives, Restricted
wg-com Working Group "Commonalities" Created: Jul 5 29 Members, 0 Topics, Public Archives, Restricted
wg-mkt Working Group "Marketing" Created: Oct 17 20 Members, 0 Topics, Public Archives, Restricted

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>
- 16 open issues, 1 open pull request
- Main branch protected (requires code owner review)

Mailing list

- <https://lists.camaraproject.org/g/sp-qod> / sp-qod@lists.camaraproject.org

Meetings

- Virtual, bi-weekly, Friday, 2 PM CET, next on Nov 18th
- Meeting link changed! See README.md in repository

Maintainers

- DT: Herbert Damker
- Ericsson: Emil Zhang
- Intel: Petar Torre
- KDDI: Toshi Wakayama
- Orange: Sylvain Morel
- 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)

Sub Project status

“Quality on Demand”

Deliverable	Required/Optional (R/O)	Current status
API Definition	R	Current version: v0.8.0 Branch dev-v0.9.0 created for change proposals targeting the next version.
API doc/user stories/testcases	R	User Story and API documentation for v0.1.0 available Update for v0.8.0 in work (Deutsche Telekom)
Implementation	R	Implementation code for API version 0.1.0; Need to move into separate repository (see decision of Commonality working group); Update for v0.8.0 of DT contributions expected plus an additional implementation from Orange.
API Reviews and extensions		Proposals in work: <ul style="list-style-type: none"> Resolving ueAddr ambiguity when it is the UE private address (Vodafone) Add SUCCESSFUL_RESOURCES_ALLOCATION to QosChanged (Ericsson) Open issues and backlog items, e.g. <ul style="list-style-type: none"> Parameter names used in the API spec need to be revisited to make them more developer friendly Endpoint in QoD API to request available qos_profiles IpFlowDescription to allow asymmetric QoS flows and (re)introduce protocol definitions

Sub Project status

“Edge Cloud”

Scope:

- Service APIs for “Edge Cloud” (see APIBacklog.md)
- A (family of) APIs providing the customer with 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
 - 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
- Location: virtually (Tue, 16-17 CET/CEST)

Team / Maintainers:

- | | |
|--|--|
| • Broadpeak: Tuan Tran, Christoph Neuman | • Nabstrack: Babu |
| • Capgemini: Deepak Gunjal | • Orange: Alexandru Ciinaru, Sylvian Morain |
| • DT: Yamina Kelm, Shilpa Padgaonkar | • Scenera: Andrew Wajs |
| • GSMA: Tom Van Pelt, Mark Cornall | • TEF: Aure Martinez, Alex Harmand |
| • Intel: Larry Horner | • TIM: Fabrizio Moggio, Marco Signorelli, Raffaele P. |
| • KDDI: Toshi Wakayama | • VF: Eric Murray |
| • MSFT: Landon Cox | • 5GFF: Kevin, Senthoo, Brett, Syed, Mashesh, Raghuram |
| • EdgeXR: Thomas Vits | |

Repository: <https://github.com/camaraproject/EdgeCloud>

Sub Project status

“Edge Cloud”

API contributions so far



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 MobileEdgeX	EdgeXR	Y
NEW Pull Request ‘Traffic Influence API’	TIM	Pending

Next steps

- Looking for synergies and touchpoints between APIs, avoid redundancy / overlappings
 - [‘Edge Terminology’](#) draft contributed as a starting point
- Elaborate on user stories following ‘user story template’ agreed in Commonalities WG.

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.
 - 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: virtually

Team / Maintainers:

- DT: [N. Wirzius](#)
- Orange: [Sylvain Morel](#)
- Telefonica: [Mona Mokhber](#), [Jesús Peña](#)
- Vodafone: [Eric Murray](#), [Kevin Smith](#)

Repository: <https://github.com/camaraproject/DeviceStatus>

last commit last tuesday issues 2 open pull requests 2 open contributors 2 repo size 21.5 kB License Apache 2.0

☐  Initial contribution of API spec check-device-connectivity v0.2.0
#5 opened 12 days ago by akoshunyadi

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: virtually

Team / Maintainers:

- DT: [N. Wirzius](#)
- Orange: [Sylvain Morel](#)
- Telefonica: [José Luis Urién](#), [Jesús Peña](#)
- Vodafone: [Kevin Smith](#)

Repository: <https://github.com/camaraproject/DeviceLocation>

last commit last tuesday issues 1 open pull requests 2 open contributors 1 repo size 18.4 kB License Apache 2.0

☐  Initial contribution of API spec location.yaml v0.1.0
#3 opened 12 days ago by akoshunyadi

Sub Project status

“AnonymisedSubscriberIdentifier”

Scope:

- Service APIs for “AnonymisedSubscriberIdentifier” (see APIBacklog.md)
- It provides the customer with the ability to:
 - automatically identify a client device (specifically, the associated ISP subscription) attempting to access services, independently of any identity that the device itself may announce.
 - 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 – poll to be held shortly to choose best timeslot, please join mailing list below if you want to participate

Team / Maintainers:

- Vodafone: Kevin Smith, Eric Murray

Repository: <https://github.com/camaraproject/AnonymisedSubscriberIdentifier>

Mail list: <https://lists.camaraproject.org/g/sp-asi> / sp-asi@lists.camaraproject.org

Sub Project status

“Carrier Billing Check Out”

Scope:

- Service APIs for “CarrierBillingCheckOut” (see APIBacklog.md)
- It provides the customer with the ability to purchase, pay and follow up of fulfilment of physical/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

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: 2 open, 1 closed
- Pull requests: 1 open, 1 closed

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

Golden nuggets in last month:

- Sub Project created (up and running)
- Doodle poll for regular calls sent out.
- Seed YAML code (v0.1.0) available
- First API doc available.

Sub Project status

“Carrier Billing Check Out”

Deliverable	Required/Optional (R/O)	Current status
API Definition	R	V0.1.0 submitted (see https://github.com/camaraproject/CarrierBillingCheckOut/pull/4)
API doc/user stories/testcases	R	First draft available (see https://github.com/camaraproject/CarrierBillingCheckOut/issues/3)
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:
 - get the identity of the device being used by the subscriber.
 - 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 – poll to be held shortly to choose best timeslot, please join mailing list below if you want to participate

Team / Maintainers:

- Vodafone: Kevin Smith, Eric Murray

Repository: <https://github.com/camaraproject/DeviceIdentifier>

Mail list: <https://lists.camaraproject.org/g/sp-dvi> / sp-dvi@lists.camaraproject.org

Sub Project status

“Home Devices QoD”

Scope:

- Service APIs for “HomeDevicesQoD” (see APIBacklog.md)
- It provides the customer with the ability to request the prioritization of a specific device traffic on the user home network.
- Describe, develop, document and test the APIs (with 1-2 Telcos)
- Started: October 2022
- Location: virtually

Maintainers/ Code Owners:

- Orange: Sylvain Morel, Ludovic Robert
- Scenera: Andrew Wajs
- Telefonica: [Jesús Peña](#), Mona Mokhber

Repository: <https://github.com/camaraproject/HomeDevicesQoD>

- Issues: 2 open, 0 closed
- Pull requests: 1 open, 0 closed

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

Golden nuggets in last month:

- Sub Project created (up and running)
- Doodle poll for regular calls sent out.
- Seed YAML code (v0.1.0) available

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	Not yet
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

Repository: <https://github.com/camaraproject/NumberVerification>

Subscribe to mailing list: sp-nve+subscribe@lists.camaraproject.org

Sub Project status

“NumberVerificationSMS2FA”

Scope:

- Service APIs for “NumberVerificationSMS2FA” (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

Team / Maintainers:

- 11 members
- TEF: Mona Mokhber, José Luis Urién

Repository: <https://github.com/camaraproject/NumberVerificationSMS2FA>

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

Repository: <https://github.com/camaraproject/SimSwap>

Subscribe to mailing list: sp-ssw+subscribe@lists.camaraproject.org

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	PR96 GitHub issue #87
GitHub issue #53	GitHub issue #57
PR68 GitHub issue #60	GitHub issue #101
PR102 GitHub issue #61	GitHub issue #75
GitHub issue #99	GitHub issue

Working Group status

“Commonalities for APIs”

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

Issue <https://github.com/camaraproject/WorkingGroups/issues/63> closed with the decision to move API implementation outside the subproject repository.
For e.g. DT and Orange will have separate repositories for managing their individual QoD solutions in Camara.

Working Group status

“API Backlog”

Scope:

- Defining and maintaining 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.
- Schedule: from now to 31.12.2022
- Location: virtually (bi-weekly, Thu, 15-16 CET/CEST)

Contributors:

- Deutsche Telekom: Noel Wirzcius, Shilpa
- Ericsson: Jan Friman, Miguel Garcia
- IBM: Jason Hunt
- KDDI: Toshi Wakayama, Yusuke
- Scenera: Andrew Wajs
- Telefonica: Jose Ordonez-Lucena, Rubén Barrado
- 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>
- Live Backlog: <https://github.com/camaraproject/WorkingGroups/blob/main/APIBacklog/APIBacklog.md>



Golden nuggets in last month:

- WG structure has been reshaped following CAMARA WoW.
- Traffic Influence API owner: TIM will be added to CAMARA backlog

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:

- Steering committee members

Repository

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

Restart Planned



CAMARA
THE TELCO GLOBAL API ALLIANCE

A0B