



Steering Committee

October 13th 2022

13.10.2022

Agenda

-
- 01** Welcome new participants
 - 02** Qorum given?
 - 03** Proposals for API Sub Projects
 - 04** Project governance updates
 - 05** Sub Project status
 - 06** Working Group status
 - 07** AOB
-

Welcome new participants

Public Github repository for CAMARA project



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

Quorum given? Yes

5GFF	Janine Grasso (Miguel Carames, Kevin Smith)	✓
AT&T	Wiley Wilkins (Barry Elia)	✓
Capgemini	Shamik Mishra	✗
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 (Ralph Page)	✓
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 Ordenez Lucena)	✓
TELUS	Ali Tizghadam (Shalin Hudda)	✓
Vodafone	Steven Pater (Johanna Wood)	✓

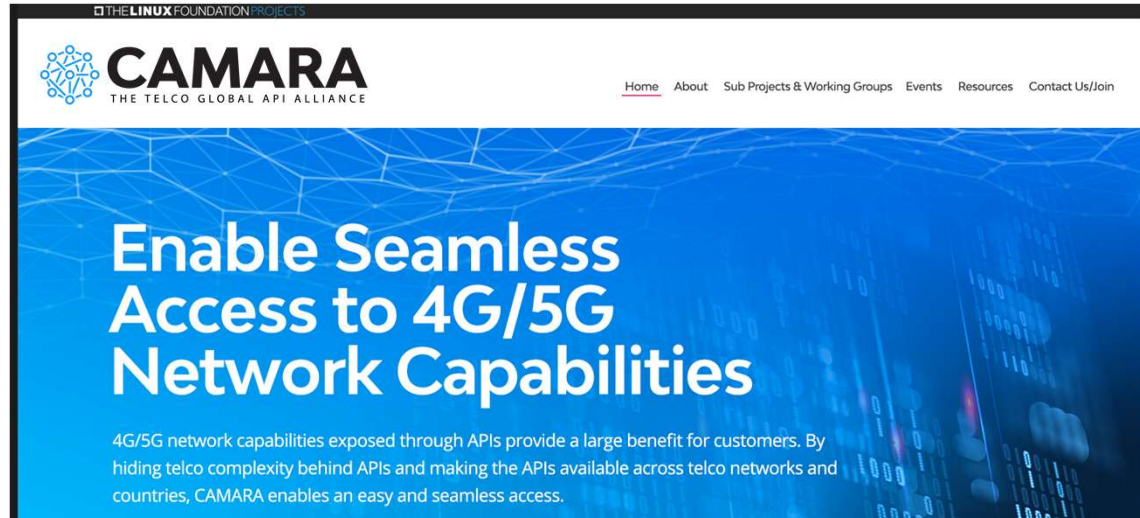
Proposals for API Sub Projects

Sent by GSMA (Openverse), Telefonica and Vodafone

Name	Owner	Registration Date	Supporters	Technically viable?	Commercially viable?	Code ready?	Validated in lab/prod environments?	Validated with customers?	Validated with other operators?
Home Devices Prioritization [Link]	Telefónica	2022/09/14	DT, KDDI	YES	YES	YES	(production)	YES	NO
Device Identifier [Link]	Vodafone	2022/09/29	DT, KDDI, Telefónica	YES	YES	NO	YES (lab)	NO	NO
Anonymised Subscriber Identifier [Link]	Vodafone	2022/09/29	DT, KDDI	YES	YES	NO	YES (lab)	NO	NO
SIM Swap [Link]	DT, GSMA IDG	2022/09/30	DT, KDDI, Telefónica	YES	YES	YES	YES (lab)	YES	YES
Number Verification - Mobile Connect Verified MSISDN [Link]	DT, GSMA IDG	2022/09/30	Airtel, DT, KDDI, Telefónica	YES	YES	YES	YES (lab)	YES	YES
Number Verification - SMS 2FA [Link]	DT, GSMA IDG	2022/09/30	Airtel, DT, KDDI, Telefónica	YES	YES	YES	YES (lab)	YES	YES
Carrier Billing - Check Out [Link]	Telefónica	2022/09/30	Airtel, KDDI	YES	YES	YES	YES (production)	YES	YES

7 new Sub Project decided

Project governance updates CAMARA marketing and website



LF has implemented first version of the website based on existing information / documents.

- Website has to be maintained
- Onepager and Presentation has to be maintained
- Other marketing activities have to be coordinated (esp. MWC 2023)

Proposal:

- Reactivate former MWC Working Group
- Change name to "Marketing"
- Include steering committee participants (default) or named representatives

Decided

Project governance updates

CAMARA mailing list

A mailing list for CAMARA is now implemented. Please accept the invitation!



In a second step then we are able to create additional lists for the steering committee, and one for each sub project and each working group.

From: Group Notification <all+invite+3548748879367962721+4509890@lists.camaraproject.org>
Date: Tuesday, July 5, 2022 at 12:49 PM
To: Rader, Nathan <Nathan.Rader@telekom.de>
Subject: [all] Invitation to join the all@lists.camaraproject.org group

Hello,

You have been invited by Markus Kuemmerle to join the Camara Project group all@lists.camaraproject.org

If you have questions about this invitation, send them to all+owner@lists.camaraproject.org.

To accept the invitation, please reply to this email, or you may [accept the invitation](#) on the web.

If you are not interested, or if Nathan.Rader@telekom.de is not your email address, please ignore this email.

The Camara Project Team

25% of the Project participants still haven't accepted the invitations
→ A final personal invitation now will be sent out (with the respective steerco member in cc), please accept it
→ All participant who don't accept until 21th of October will be removed from the new lists and mailing lists!
→ The new lists will be made available at 24th of October

Project governance updates

Contributors, Maintainers, Codeowners

Maintainers:

- a small group which is acting as Sub Project Managers
- listed in the MAINTAINERS.MD of the Sub Project

Codeowners:

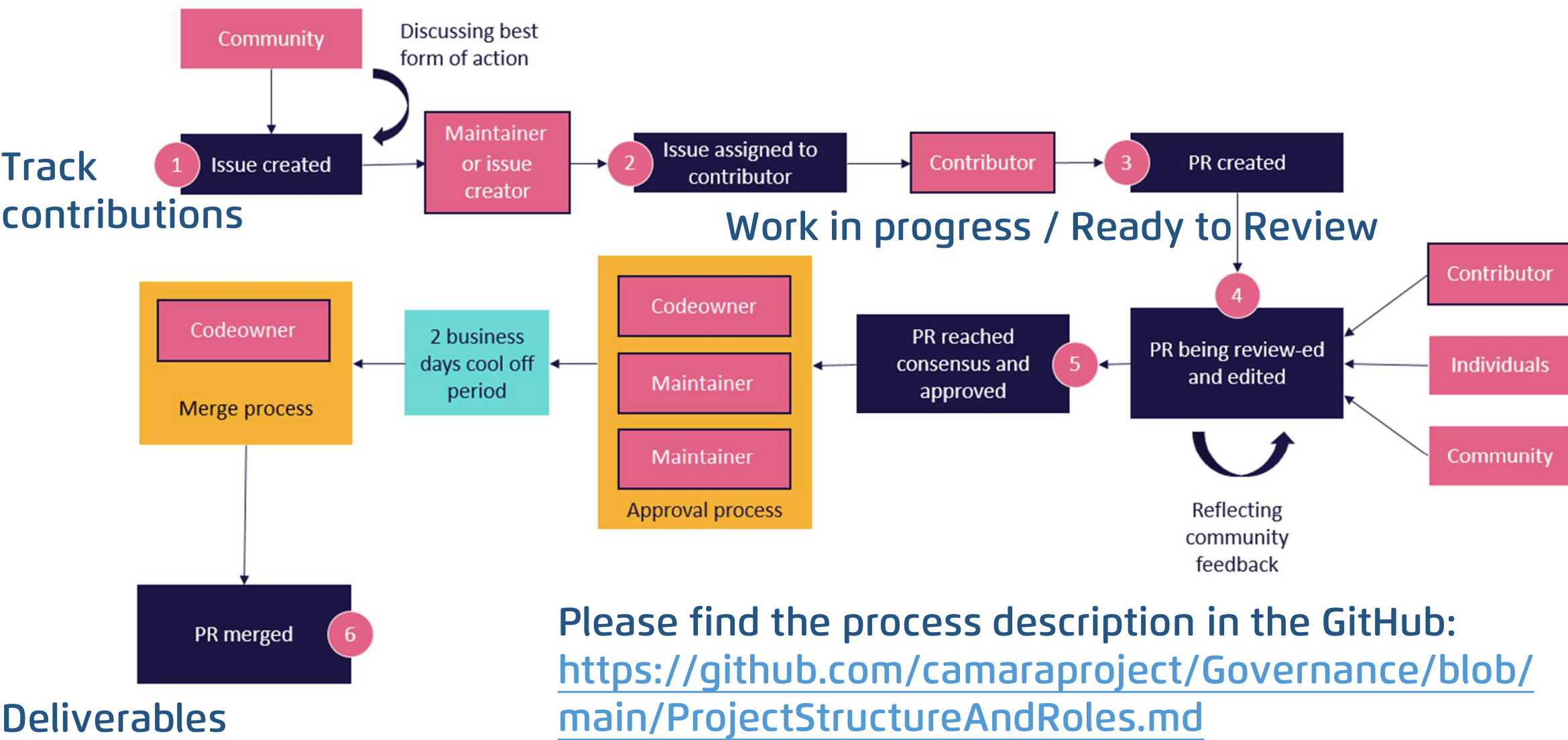
- a small group responsible for merging code / documents / PRs
- listed in the CODEOWNERS of the Sub Project (also technical readable file!)

Contributors:

- the whole community for a Sub Project able to contribute (e.g. review)
- actual contributors who made commits in the repo are listed by Github

Project governance updates

Contributing, Branching, Pull Requests, Reviews & Artefact Status



Please find the process description in the GitHub:
<https://github.com/camaraproject/Governance/blob/main/ProjectStructureAndRoles.md>

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>
- 15 open issues, 21 closed
- 1 open pull request, 15 closed

Mailing list

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

Meetings

- Virtual, bi-weekly, Friday, 2 PM CEST, next on Oct 21st

Maintainers

- DT: Herbert Damker
- Ericsson: Emil Zhang
- Intel: Petar Torre
- KDDI: Toshi Wakayama
- Orange: Sylvain Morel
- Telefonica: José Antonio Ordoñez Lucena
- 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	v0.1.0 merged as base. Proposal for v0.8.0 in review, main change is the combination of previous two APIs into one.
API doc/user stories/testcases	R	User Story and API documentation for v0.1.0 available Need to be updated after acceptance of v0.8.0
Implementation	R	Implementation code for API version 0.1.0 from DT merged as reference. Need to be updated after acceptance of v0.8.0 Second reference implementation offered by Orange.
API Reviews and extensions		Several discussions and open issues, 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• Resolving ueAddr ambiguity when it is the UE private address• Ensure secure handling of callback URL Backlog items, e.g. <ul style="list-style-type: none">• Endpoint in QoD API to request available qos_profiles• IpFlowDescription to allow asymmetric QoS flows and (re)introduce protocol definitions

Sub Project status

“Quality on Demand”

<https://docs.google.com/presentation/d/15dXuUxZCrBP1qYCN843yR4VNfuJQHT8y2fvvH-X22k/edit?usp=sharing>



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, Jose Ordonez |
| • 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: [Jose A Ordonez Lucena](#)
- 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: [Jose A Ordonez Lucena](#)
- 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

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, Guido García
- 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 #32	PR72	GitHub issue #87	PR51
GitHub issue #53		GitHub issue #57	
GitHub issue #60	PR68	GitHub issue #63	PR70
GitHub issue #61		GitHub issue #75	

Working Group status

“Commonalities for APIs”

Deliverable	Format	Main Contributor	Current status
GPSI external identifier doc	Markdown	Ericsson	Closed
User consent documentation	Markdown	Telefonica	In review
API design guidelines	Markdown	Telefónica	In review

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)

Team / Contributors

- Deutsche Telekom: Noel Wirzcius, Shilpa
- Ericsson: Jan Friman, Miguel Garcia
- KDDI: Toshi Wakayama, Yusuke
- Scenera: Andrew Wajs
- Telefonica: Jose Ordonez-Lucena, Rubén Barrado, Jesús Peña
- Vodafone: Kevin Smith, Eric Murray, Ivan Nieto
- IBM: Jason Hunt

Repository

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

<div>GitHub issue #12</div> <div>Closed</div>	<div>GitHub issue #29</div>
<div>GitHub issue #44</div> <div>Closed</div>	<div>GitHub issue #45</div> <div>Closed</div>
<div>GitHub issue #47</div>	<div>GitHub issue #48</div> <div>Closed</div>
<div>GitHub issue #71</div>	<div>GitHub issue #88</div> <div>new</div>

Meeting minutes
in the repository

Working Group status

“API backlog”

Live table for CAMARA backlog:
<https://github.com/camaraproject/WorkingGroups/blob/main/APIBacklog/APIBacklog.md>

Name	Owner	Registration Date	Supporters	Technically viable?	Commercially viable?	YAML code available?	Validated in lab/prod environments?	Validated with customers?	Validated with other operators?
Home Devices Prioritization [Link] PR#73	Telefónica	2022/09/14	DT, KDDI	YES	YES	YES	YES (production)	YES	NO
Device Identifier [Link] PR#78	Vodafone	2022/09/29	DT, KDDI, Telefónica	YES	YES	NO	YES (lab)	NO	NO
Anonymised Subscriber Identifier [Link] PR#79	Vodafone	2022/09/29	DT, KDDI	YES	YES	NO	YES (lab)	NO	NO
SIM Swap [Link] PR#84PR#92	DT, GSMA IDG	2022/09/30	DT, KDDI, Telefónica	YES	YES	YES	YES (lab)	YES	YES
Number Verification - Mobile Connect Verified MSISDN [Link] PR#83PR#89	DT, GSMA IDG	2022/09/30	Airtel, DT, KDDI, Telefónica	YES	YES	YES	YES (lab)	YES	YES
Number Verification - SMS 2FA [Link] PR#82PR#90	DT, GSMA IDG	2022/09/30	Airtel, DT, KDDI, Telefónica	YES	YES	YES	YES (lab)	YES	YES
Carrier Billing - Check Out [Link] PR#81PR#91	Telefónica	2022/09/30	Airtel, KDDI	YES	YES	YES	YES (production)	YES	YES



CAMARA
THE TELCO GLOBAL API ALLIANCE

A0B