



CAMARA
THE TELCO GLOBAL API ALLIANCE

Steering Committee

April 13th 2023

Agenda



- 1 Welcome new participants
- 2 Governance Updates
- 3 TMF presentation
- 4 GSMA OPG presentation
- 5 Status Sub Projects and Working Groups
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Welcome new participants
CAMARA resources



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

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



<https://camaraproject.org/>

Welcome new participants

CAMARA figures



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12	API families / Sub Projects
3	Working Groups
73 (63)	Companies in the CAMARA logo list
177 (133)	Companies participating in CAMARA
544 (423)	People joined CAMARA
98 (64)	Companies interested & invited to join
565 (437)	People interested & invited to join

Welcome new participants

CAMARA introduction



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Introduction call for new or interested participants:

Thursday 20th of April, 4pm CEST

Meeting link:

<https://dtag.webex.com/dtag/j.php?MTID=md1864c75a4ba2283c4f2819b162efd5c>

Governance Updates

Work in progress



- New governance
- Relationship to other SDOs (see TMF presentation)
- API lifecycle → Please review [pull request #65](#)
- Decide how to continue with former non-commonality-compatible API versions
- Clean up collaborators and contributors

TMF presentation



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5G Enablement through industry standardized APIs

C23.5.451
03 MAR 2023

tmforum
labs

CATALYSTS

TM Forum is committed to comply with global antitrust laws and requires all present to comply therewith as well as with the TM Forum Antitrust Policies & Guidelines. Antitrust law prohibits agreements between competitors that restrict other parties' actions or create barriers to market entry and the discussion or exchange of confidential information pricing, business plans, or other confidential or commercially sensitive data.

GSMA OPG presentation



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13th April 2023



GSMA™ OPG: status update to CAMARA

Status Sub Projects & Working Groups

CarrierBillingCheckOut



Scope, Meetings, Mailing list:

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

Deliverable	R/O	Current status / Achievements
API Definition	R	Working in v0.7.0 versions for both solutions Carrier Billing Checkout Carrier Billing Payment Next step is to complete specification work with notifications feature (API reviews and extensions) to generate an initial v1.0.0 release
API doc/user stories/testcases	R	First version available – Use Cases
Implementation	R	N/A
API Reviews and extensions		Main Pending Initial Feature is to address notifications model and its applicability in Carrier Billing WG. Ongoing track in Commonalities WG PR#173

Status Sub Projects & Working Groups

DeviceIdentifier



Scope, Meetings, Mailing list: <https://github.com/camaraproject/DeviceIdentifier>

Deliverable	R/O	Current status/ Achievements
API Definition	R	Draft version 0.0.2 available No releases yet, waiting for input from Identity & Consent Management
API doc/user stories/testcases	R	Not available, awaiting stable version of API definition
Implementation	R	No implementations available yet
API Reviews and extensions		None under consideration

Status Sub Projects & Working Groups

DeviceLocation



Scope, Meetings, Mailing list: <https://github.com/camaraproject/DeviceLocation>

Deliverable	R/O	Current status/ Achievements
API Definition	R	<ul style="list-style-type: none"> Stable version: v0.1.0 WIP version: v0.2.0, with several enhancements: <ul style="list-style-type: none"> Verification result added support for unknown and partial Area extended to support geometries other than Circle Polished names and errors to be aligned with guidelines
API doc/user stories/testcases	R	<ul style="list-style-type: none"> API documentation updated for API definition v0.1.0 Waiting for agreements in Commonalities regarding doc within spec
Implementation	R	Not yet
API Reviews and extensions		<p>Issues and PRs under discussion:</p> <ul style="list-style-type: none"> Alignment with guidelines and other WGs for device identifier Subscriptions and notifications, to be aligned with Commonalities Support for age of location, aligned with product requirements New endpoints to get raw location (maybe as a separate API) New geometries for Area: Postal Code, polygons...

Status Sub Projects & Working Groups

DeviceStatus



Scope, Meetings, Mailing list: <https://github.com/camaraproject/DeviceStatus>

Deliverable	R/O	Current status/ Achievements
API Definition	R	<ul style="list-style-type: none">• Stable version• New Version, with several enhancements:<ul style="list-style-type: none">• New feature connectivity• Adding country and country code to roaming• Minor fixes
API doc/user stories/testcases	R	API documentation updated for API
Implementation	R	
API Reviews and extensions		<p>Issues and PRs under discussion:</p> <ul style="list-style-type: none">• New Endtype Connectivity• Version 0.4.0• Subscription Mode• Split of the API (in communalities)

Status Sub Projects & Working Groups

EdgeCloud



Scope, Meetings, Mailing list: <https://github.com/camaraproject/EdgeCloud>

Deliverable	R/O	Current status/ Achievements
API Definition	R	<ul style="list-style-type: none">• Traffic Influence v0.8.2 released, introducing some improvements on the LBO use case. v1.0.0 in on hold waiting for agreements in Commonalities.• Traffic Influence v2.0.0 covering User Mobility on discussion.• For Edge Discovery and app LCM APIs, there are three different contributions.
API doc/user stories/testcases	R	<ul style="list-style-type: none">• API documentation updated for Traffic Influence API definition• Waiting for agreements in Commonalities regarding doc within spec
Implementation	R	Not yet
API Reviews and extensions		<p>Issues and PRs under discussion:</p> <ul style="list-style-type: none">• Alignment with guidelines and Commonalities• Discussing next steps for harmonizing Edge Cloud APIs:<ul style="list-style-type: none">• Creation of a model that abstracts the three architectures (GSMA, EdgeXR, 5GFF)• Developer epics and journeys to be created• Terminology to be harmonized across the contributions

Status Sub Projects & Working Groups

HomeDevicesQoD



Scope, Meetings, Mailing list: <https://github.com/camaraproject/HomeDevicesQoD>

Deliverable	R/O	Current status / Achievements
API Definition	R	<ul style="list-style-type: none"> - Created release v0.1.0 according to commonality guidelines. - The current API version v0.2.0 has been aligned with RFC4594 to provide a more developer friendly approach and is fully aligned with the latest commonality agreements (camelCase, error formats...). - Added "Service Class" as a representative term for this API in glossary. - v0.2.0 will be proposed as candidate to become v1.0.0 as the first stable API release and to continue with the CAMARA milestones to complete it, as no further functionality will be added for the time being.
API doc/user stories/testcases	R	<ul style="list-style-type: none"> - Waiting for the final template agreement in Commonalities to complete the doc for v0.2.0 to avoid unnecessary overhead. - Home Devices QoD v0.2.0 has been nominated to provide the improved version of its spec file as a showcase for issue #164. The spec file is already self-documented as recommended.
Implementation	R	N/A
API Reviews and extensions		N/A (only open issue is the one to complete API doc update for v0.2.0 as stated above)

Status Sub Projects & Working Groups

IdentityAndConsentManagement



Scope, Meetings, Mailing list:

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

Deliverable	R/O	Current status/ Achievements
API Definition	R	Not available yet
API doc/user stories/testcases	R	The work on describing the model for user consent management has started based on the previous discussion in Commonalites: https://github.com/camaraproject/WorkingGroups/pull/68
Implementation	R	No implementation available yet
API Reviews and extensions		Kick-off held March 22nd. Presentation of Sub Project objectives and key concepts on identity, consent and purposes [ref] Baseline document available for ToC agreement Following the "Privacy by design" paradigm (involving people from product, legal and technical teams)

Status Sub Projects & Working Groups

NumberVerification



Scope, Meetings, Mailing list: <https://github.com/camaraproject/NumberVerification>

Deliverable	R/O	Current status/ Achievements
API Definition	R	MC: https://github.com/camaraproject/NumberVerification/blob/main/code/API_definitions/MobileConnect/numberVerify.yaml CAMARA: https://github.com/camaraproject/NumberVerification/blob/main/code/API_definitions/CAMARA/number_verification.yaml
API doc/user stories/testcases	R	https://github.com/camaraproject/NumberVerification/blob/main/documentation/API_documentation/README.MD
Implementation	R	Available (for both MC & Camara flavors)
API Reviews and extensions		5 issues, 2 PRs

Status Sub Projects & Working Groups

OTPvalidationAPI



Scope, Meetings, Mailing list: <https://github.com/camaraproject/OTPvalidationAPI>

Deliverable	R/O	Current status/ Achievements
API Definition	R	https://github.com/camaraproject/OTPvalidationAPI/blob/main/code/API_definition/s/one-time-password-sms.yaml
API doc/user stories/testcases	R	https://github.com/camaraproject/OTPvalidationAPI/blob/main/documentation/API_documentation/OTP_SMS_API.md
Implementation	R	Available
API Reviews and extensions		N/A

Status Sub Projects & Working Groups

Quality on Demand



Scope, Meetings, Mailing list: <https://github.com/camaraproject/QualityOnDemand>

Deliverable	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" (to be released in June)
API doc/user stories/testcases	R	API documentation updated with API definition v0.8.1
Implementation	R	Three repositories for Provider Implementations (PI): <ul style="list-style-type: none">• QualityOnDemand_PI1 by Deutsche Telekom (updated for v0.8.0)• QualityOnDemand_PI2 by Orange (first contribution available)• QualityOnDemand_PI3 by Spry Fox Networks (first contribution avail.)
API Reviews and extensions		PRs for v0.9.0 <ul style="list-style-type: none">• Introduce 'qosStatus' and corresponding notification event (done)• Align error format with Commonalities guidelines (done)• Rename properties to new terms (in review) Further selected issues in work (planned for v0.9.0) <ul style="list-style-type: none">• Resolving ueAddr ambiguity when it is the UE private address• Adds service provider defined QoS profiles• Providing initial test case contribution

Status Sub Projects & Working Groups

SimSwap



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Scope, Meetings, Mailing list: <https://github.com/camaraproject/SimSwap>

Deliverable	R/O	Current status / Achievements
API Definition	R	MC: https://github.com/camaraproject/SimSwap/blob/main/code/API_definitions/MobileConnect/MC_ATP.yaml CAMARA: https://github.com/camaraproject/SimSwap/blob/main/code/API_definitions/CAMARA/checkSimSwap.camara.swagger.yaml
API doc/user stories/testcases	R	https://github.com/camaraproject/SimSwap/blob/main/documentation/API_documentation/README.MD
Implementation	R	Available (for both MC & Camara flavors)
API Reviews and extensions		5 issues, 1 PR

Status Sub Projects & Working Groups

APIBacklog



Scope, Meetings, Mailing list:

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

Deliverable	Current status/ Achievements
Documents	Live table for API backlog available [ref]. Sub-Project maintainers and operators to update missing info.
PRs	New API family proposal on Blockchain Public Address -> issue #153 (PR#154, PR#187).
New Issues	
Announcements	Closed actions: issue #152 (PR#131), issue #144 (PR#135)

Status Sub Projects & Working Groups Commonalities



Scope, Meetings, Mailing list:

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

Deliverable	Current status/ Achievements
Documents	Glossary first deliverable now available
PRs	PR and Issue template offered for review API guidelines extended with notification and events
New Issues	OAS spec3.0 versus advancing to 3.1
Announcements	Spry Fox Networks will present reference NEF solution for Camara members in the next commonalities call.

Status Sub Projects & Working Groups

Marketing



Scope, Meetings, Mailing list:

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

Deliverable	Current status/ Achievements
Documents	New CAMARA Powerpoint template available: template Please use it for all external communication, but also for internal needs.
PRs	
New issues	Create list of events where CAMARA should be visible.
Announcements	8 companies have added their logo on the CAMARA website in the last weeks, CAMARA presentation and CAMARA onepager will be updated.

Thank you!



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