



CAMARA
THE TELCO GLOBAL API ALLIANCE

Community Reception

04.03.2025

CAMARA Community Reception



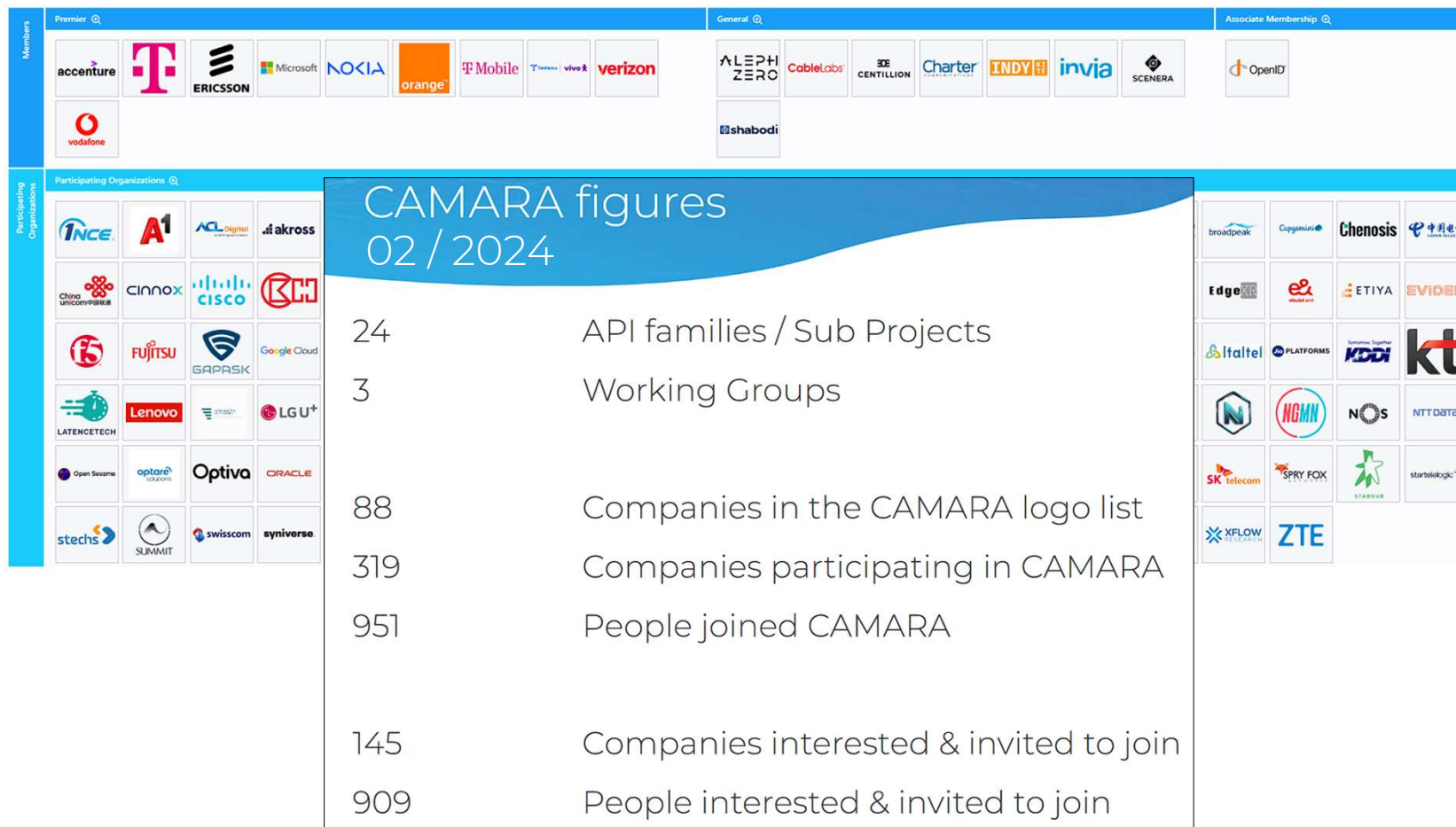
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- Welcome
- **CAMARA achievements in the past year**
- **RedHat contributions to the API ecosystem**
- **Where are we with the API ecosystem?**
Which challenges do we have for 2025?
What does that mean for CAMARA?
- Common photo



CAMARA achievements in the past year

Figures



- 143 Named Partners
- 423 (+525*) companies participating in CAMARA
- 11 API family Sub Projects
- 21 Sandbox Projects
- 59 APIs
- 5 Working Groups
- 1255 (+2197*) people joined CAMARA
- Development "home" for GSMA Open Gateway

* Number in brackets indicates companies and people who are in contact but haven't joined

CAMARA achievements in the past year

Release Management

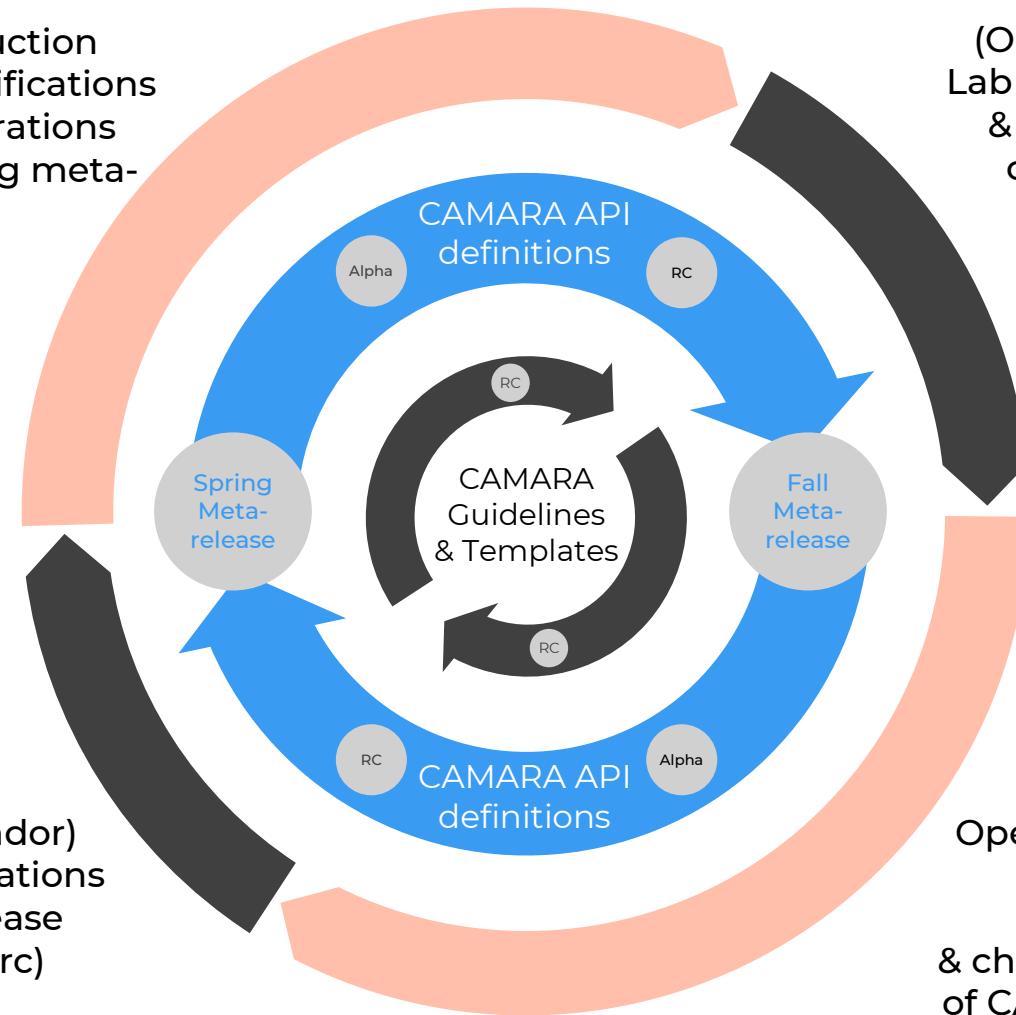


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- 2 releases each year
 - Fall (in September)
 - Spring (in March)
- Continuous and overlapping cycles
 - Update of CAMARA guidelines
 - Development and updates of API definitions in CAMARA
 - Lab implementations and production deployments at network operators
- Tests of API release candidates
 - Within operator (lab) implementations
 - Based on CAMARA test definitions
- Feedback in all phases
 - From (lab) implementations and deployments to CAMARA API definitions and guidelines
 - From API definition work to CAMARA guidelines

Operator production deployments, certifications & channel integrations of CAMARA Spring meta-release

(Operator/Vendor) Lab implementations & tests of release candidates (rc)



(Operator/Vendor) Lab implementations & tests of release candidates (rc)

Operator production deployments, certifications & channel integrations of CAMARA Fall meta-release

For details see: <https://wiki.camaraproject.org/display/CAM/Meta-release+Process>

CAMARA achievements in the past year

Website



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THE LINUX FOUNDATION PROJECTS

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Home About **API Overview** API Descriptions Working Groups Events Resources Contact

API Overview

- Authentication and Fraud Prevention
- Location Services
- Communication Services
- Communication Quality
- Device Information
- Computing Services
- Payments and Charging
- Service Management

At this page you can find an overview of all CAMARA APIs. It is split into mature APIs for development.

Mature APIs

The APIs in the following table are mature: APIs which are stable and already part or targeted to be part of a CAMARA meta release, APIs implemented in at least one operator network, and APIs with any kind of initial public API version.

Authentication and Fraud Prevention	Location Services	Communication Services	Communication Quality	Device Information	Computing Services	Payments and Charging	Service Management
Call Forwarding Signal	Geofencing Subscriptions		Application Profiles	Device Reachability Status	Simple Edge Discovery	Carrier Billing	
Know Your Customer Fill In	Location Retrieval		Connectivity Insights	Device Reachability Status		Carrier Billing Refund	

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Home About **API Overview** API Descriptions Working Groups Events Resources Contact

API Description

The "Location Verification" API determines whether a mobile device is within the proximity of a specified geographical area. The API request includes the target area, defined as a circle with a specified center (latitude and longitude) and a radius or accuracy threshold. The API response confirms whether the location detected by the mobile network operator falls within the requested accuracy range.

Cell coverage
Requested area

API Portfolio: Location Services

- SubProject Wiki: [Device Location](#) (incl. how to meet the team)
- API Wiki: [Location Verification](#)
- API Repository: [Device Location](#)

API Repository Status: **Incubating**

API Status: **Stable**

API Version(s) and Release Date(s):

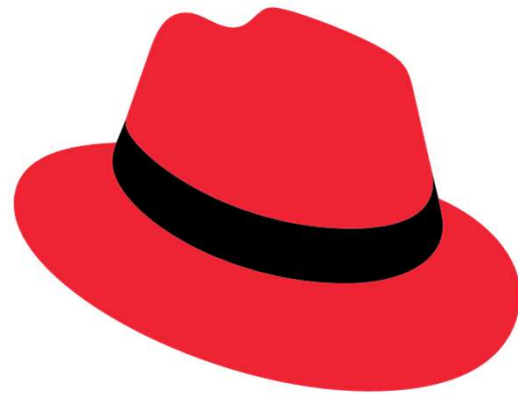
- 1.0.0 (10.09.2024), part of Fall24 meta release
- 0.2.0 (27.02.2024), this is the second alpha version of the Device Location API family

Depending on the version of the API, other request and response parameters can be used. For example, the request can specify the maximum accepted age of the location information used in the verification, and the response can give information about such age and how the detected location matches the requested one.

RedHat contributions to the API ecosystem



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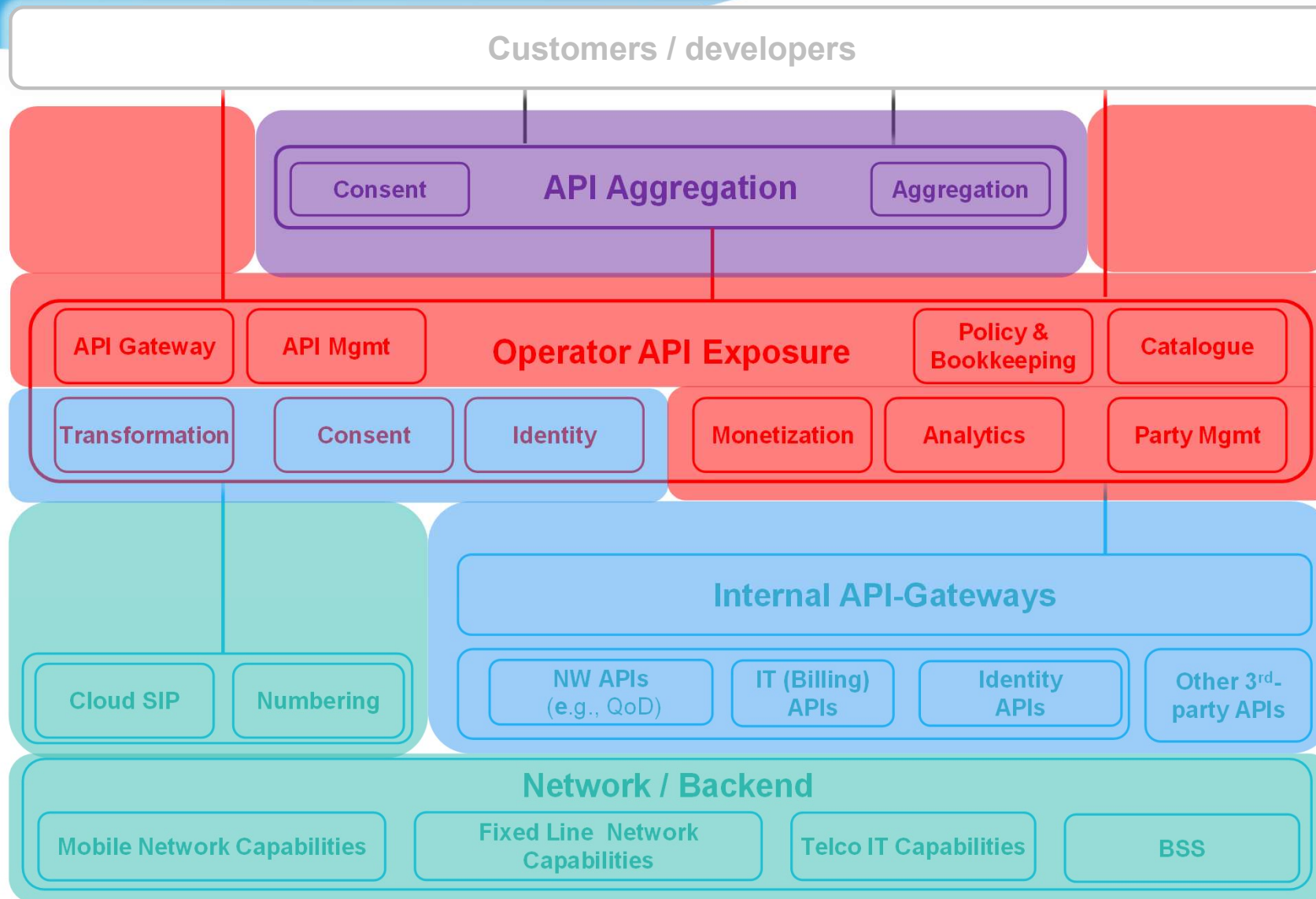


Red Hat

Where are we with the API ecosystem?



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Aggregators in each market



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Which challenges do we have for 2025?



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**Handling Data Privacy
and Regulation...**



Coverage is key...

100

Current APIs are only a starting point...



Fraud



Location



Communication



Computing

Intend based,

What does that mean for CAMARA?



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- **Focus more on API quality rather than on quantity**
- **Expand usage**
- **Provide solutions for compliant Identity & Consent Management**
- **Work with forums to clarify roles**

CAMARA Contacts



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Individuals and organizations from API customers (e.g. enterprises and startups), aggregators, cloud operators, telco operators, network equipment vendors, system integrators, and software vendors are welcome to join CAMARA.

To access CAMARA technical resources like API definitions, API specifications or API code just visit the [CAMARA GitHub](#). All resources are reachable without any prerequisite. To create issues and start contributing to CAMARA you need a free GitHub account without any further prerequisite. This participation is free, without any fees or obligation to work.

If you are interested to be included in the CAMARA communication, please subscribe to all+subscribe@lists.camaraproject.org. You may unsubscribe from CAMARA and these communications at any time. Participation is free.

If you are interested to show your logo on the CAMARA website as “Participating Organization” you can send it to adm@lists.camaraproject.org. Participation is also free.

If you would like to join as CAMARA sponsor or associating organization, please don’t hesitate to use the enrollment link <https://enrollment.lfx.linuxfoundation.org/?project=camarafund>. Cost is depending on the kind of membership and the number of employees.





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