CAMARA

THE TELCO GLOBAL API ALLIANCE

AECC member event

22.04.2026

What is the CAMARA Project?
Key problems we try to solve

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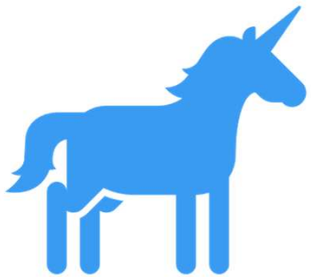
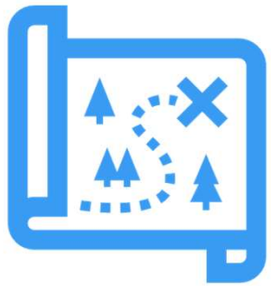


Scale

Developers dream of being the next unicorn... If apps, products, or services are built on our APIs they want them in all relevant markets and networks globally.

Consistency

Multi-nationals want consistency across all markets they operate in... they do not want APIs that only work in a single network in a single country. They do not want to try and build for the differences of each network.



Simplicity

Telco networks are complex, and every network is different.... Developers want simple, intent-based APIs.

Accessibility

We go to the developers where they are so the project is open sourced in the Linux Foundation. Allowing API users to work directly with CSPs creating the service.

Demand Driven

We develop the APIs and design it in the way our customers need it. The demand is collected from organizations like GSMA OPAG but also from customers directly.

CAMARA
Open Source

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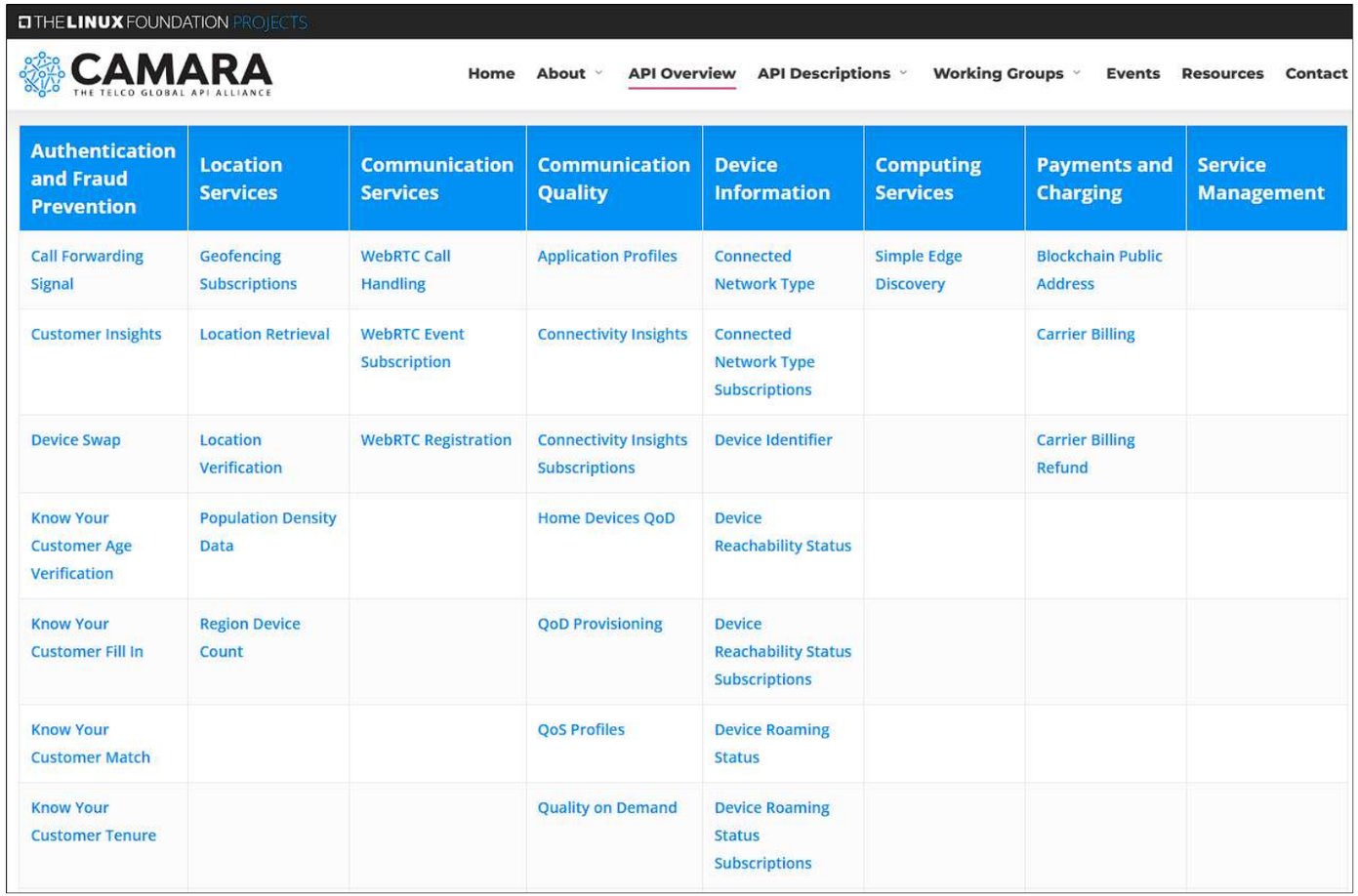
CAMARA is an open source project within Linux Foundation to define, develop and test the APIs. CAMARA works in close collaboration with the GSMA Operator Platform Group to align API requirements and publish API definitions. Harmonization of APIs is achieved through fast and agile created working code with developer-friendly documentation. API definitions and reference implementations are free to use (Apache2.0 license).

THE LINUX FOUNDATION

GSMA™

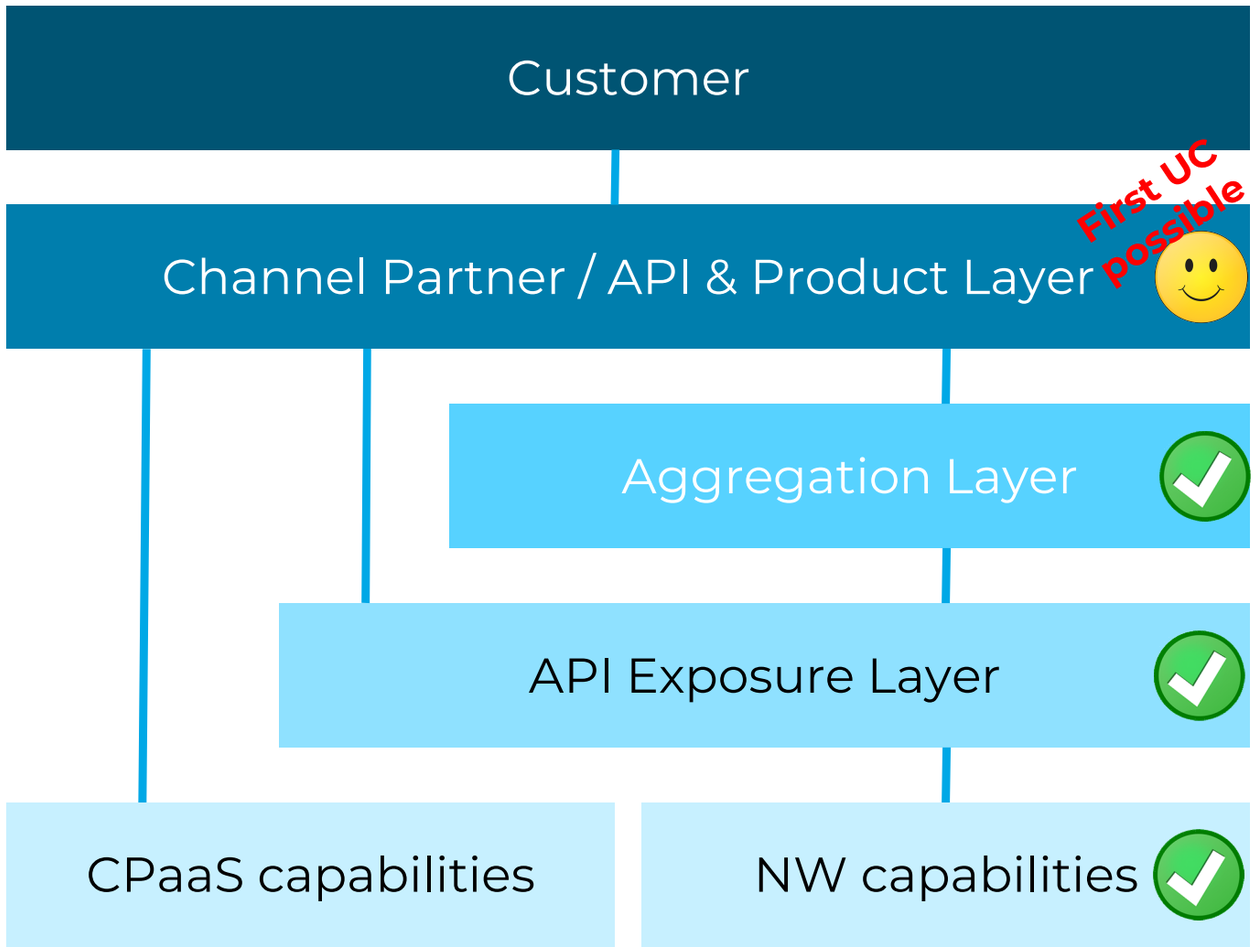
CAMARA API Overview



Authentication and Fraud Prevention	Location Services	Communication Services	Communication Quality	Device Information	Computing Services	Payments and Charging	Service Management
Call Forwarding Signal	Geofencing Subscriptions	WebRTC Call Handling	Application Profiles	Connected Network Type	Simple Edge Discovery	Blockchain Public Address	
Customer Insights	Location Retrieval	WebRTC Event Subscription	Connectivity Insights	Connected Network Type Subscriptions		Carrier Billing	
Device Swap	Location Verification	WebRTC Registration	Connectivity Insights Subscriptions	Device Identifier		Carrier Billing Refund	
Know Your Customer Age Verification	Population Density Data		Home Devices QoD	Device Reachability Status			
Know Your Customer Fill In	Region Device Count		QoD Provisioning	Device Reachability Status Subscriptions			
Know Your Customer Match			QoS Profiles	Device Roaming Status			
Know Your Customer Tenure			Quality on Demand	Device Roaming Status Subscriptions			

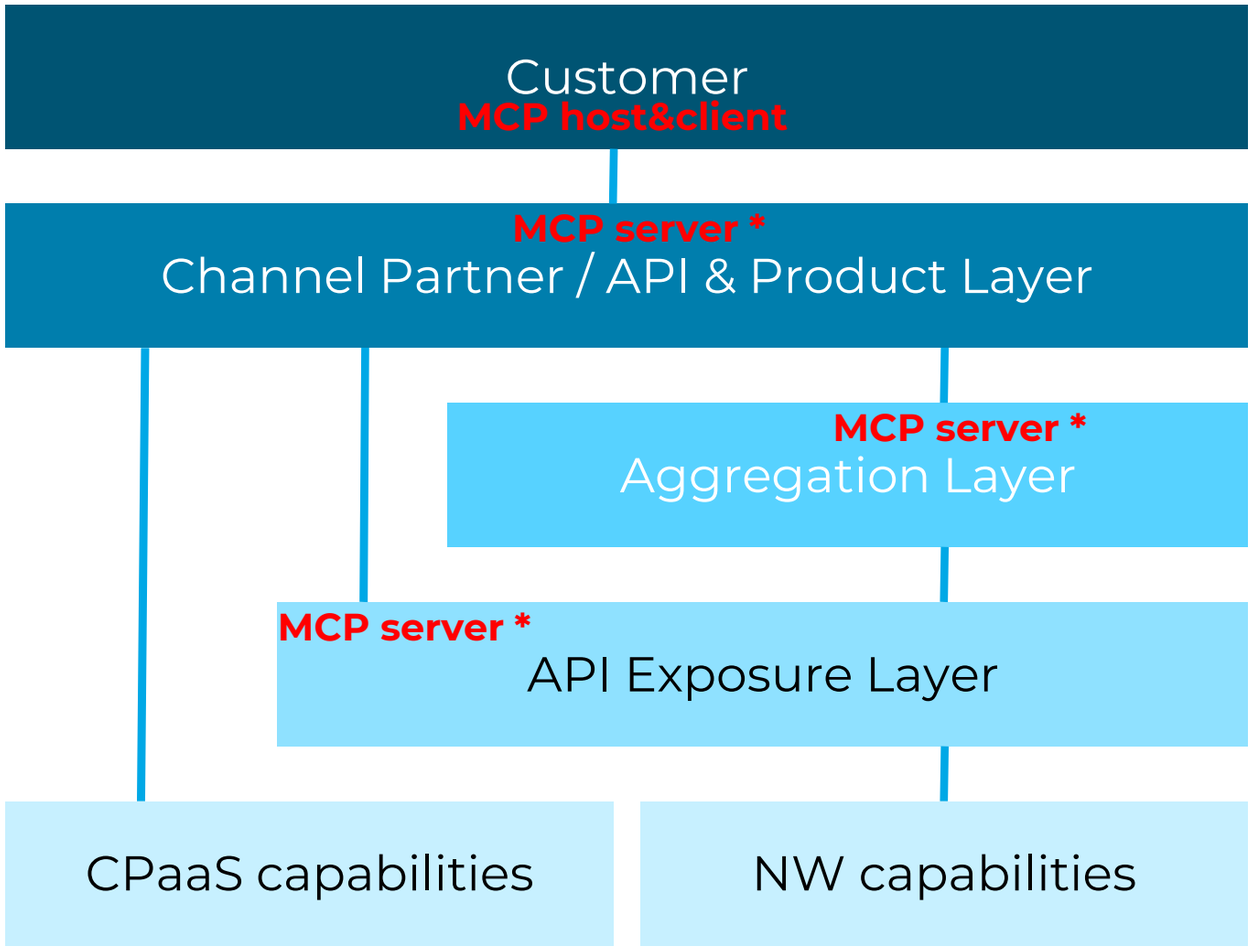
- https://camaraproject.org/api-overview/
- Mature APIs
- APIs in earlier development

The API ecosystem – Current status and challenges



- Show the figures (successful revenues) - GSMA
- Find balance between regulation/data privacy and usability for the markets - GSMA
- Prepare all layers for (agentic) AI – Channel Partners, GSMA, CAMARA
  Next slide
- Introduce products - Channel Partners
  - Change communication (solve customer problems instead of expose capabilities)
  - Design and develop products following customer need, considering alternative (non-telco) solutions and attractive pricing
- Push market coverage and communicate it - GSMA
- Close gaps at operators - Operators
- Enable Consent API for multi-API one-step consent independent of API flows - CAMARA

The API ecosystem – Prepare for agentic AI



- CAMARA should provide context for MCP servers, esp. scopes and purposes, user consent requirements
- CAMARA should adjust security guidelines and API design guidelines
- CAMARA should provide authoritative MCP function definitions versioned in lockstep with corresponding CAMARA API definitions
- GSMA/OGW should add MCP servers to technical standards, launch map, certification
- Operators and Aggregators should expose MCP servers in parallel to APIs
- Channel partners and Customers should use LLMs/MCP hosts/MCP clients in parallel to products. Channel partners also can expose MCP servers to customers.

*** MCP server can sit in exposure layer (for single operator APIs), aggregation layer (for aggregated APIs) or Channel Partner layer. But aggregation only happens on API side, not on MCP side**

What does it mean for AECC and Automotive?

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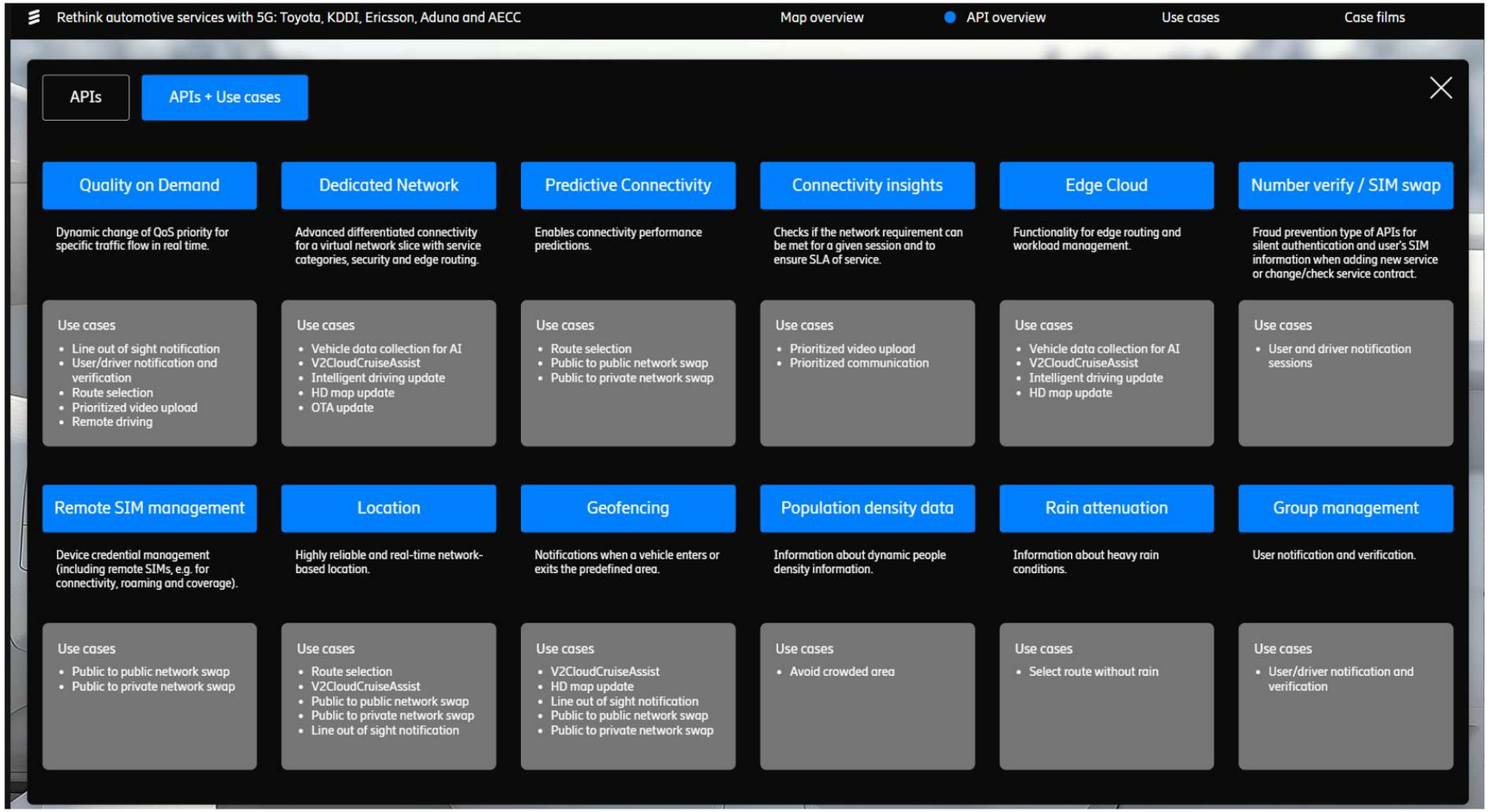

What does it mean for AECC and Automotive?

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- AECC could **define & standardize products for Automotive**
- E.g. Remote driving: In case an autonomous vehicle gets into troubles
  - Check network conditions – Connectivity Insights
  - Add QoD if necessary and available – Quality on Demand
  - Open video and remote control session - CPaaS
  - Get location and send it to operator – Location Retrieval
  - Monitor network conditions and switch on/off QoD dynamically – Connectivity Insights & QoD
  - Close sessions (and switch off QoD) - CPaaS
- Consider data privacy & network neutrality: **Align with authorities** in relevant markets
- Define business model / **productize it**
- Send API requirements to CAMARA
- **Win channel partner(s)** in the markets to implement the products

Participate in the AECC's Proof-of-Concept Program

Organizations interested in collaborating with the AECC on a POC can initiate the process by contacting ProofofConcept@aecc.org. For a glimpse into how AECC's ongoing POCs successfully address data challenges, access POC case studies and on-demand videos at https://aecc.org/proof-of-concepts/.

CAMARA Contacts

Individuals and organizations from application developers / API consumers (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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