

Enable seamless access to 4G/5G network capabilities

4G/5G network capabilities exposed by APIs provide a large benefit for customers. Covering telco complexity behind APIs and making the APIs available across telco networks and countries CAMARA enables an easy and seamless access.

5G network capabilities are the new functions of the 5G network that will be key to delivering enhanced customer experience in the 5G era. Network capabilities can be divided into 2 groups: Capabilities for getting information out of the network like device location or the number of devices in a geographic region, and capabilities to configure the network's behavior for specific applications and subscribers like quality on demand.

Aggregation from network APIs to service APIs is necessary:

- To cover telco complexity and make the APIs easy to consume
- To fulfil data privacy and regulatory requirements
- To enable a more robust and faster core network

CAMARA is an open source project within Linux Foundation (later CNCF) to specify, develop and test the APIs. CAMARA works in close collaboration with the GSMA OPAG subgroup to align API requirements and publish API specs and APIs to the GSMA operator platform group. Harmonization of APIs is achieved through fast and agile created working code rather than through time consuming discussed documents. API specs and reference implementations are free to use (Apache2.0 license).

Availability across telco networks and countries is necessary:

- To ensure seamless customer experience
- To accelerate technology development and commercial adoption (minimize implementation effort)
- To accelerate education and promotion
- To support scalability

