

API backlog proposal for change



Camara Telco API alliance

Network Slicing



Current description

API family	Tags	Partner who intends to contribute	Description of API family
Network Slicing	CRA: User MAPE: ME	TEF, TIM	Network Slicing

Proposed description

API family	Tags	Partner who intends to contribute	Description of API family
Connectivity Service management & monitoring	CRA: User MAPE: ME	TEF, TIM	<ul style="list-style-type: none">Order Connectivity Services with a specific SLA (min throughput, max latency, min availability etc)Manage SLAs (read, update,)

Baseline OAM



Propose to split in subscriber data and network data

Current description

API family	Tags	Partner who intends to contribute	Description of API family
Baseline OAM	CRA: Administrator, Business manager TMF: Design, P2O, T2R MAPE: MA	TEF	<ul style="list-style-type: none">It provides the customer with the ability to:consume management data, including business related data (e.g., SLA, subscriber data, customer profile), and operation related data (e.g. PM/FM data, logs, trace, analytics reports, event notifications). <p><i>NOTE 1: The management data feeds customer owned systems, and can be used for internal consumption (B2B) or made available to their own customers (B2B2X, e.g. hyperscaler enriches management data with additional information, and exposes them to their own customers via proprietary APIs).</i></p> <ul style="list-style-type: none">gain access to Customer-Facing Service (CFS) catalog and inventory. <p><i>NOTE 2: This includes catalog of APIs and inventory of edge nodes (features, location, availability)</i></p>

Proposed description

API family	Tags	Partner who intends to contribute	Description of API family
Baseline OAM	CRA: Administrator, Business manager TMF: Design, P2O, T2R MAPE: MA	<ul style="list-style-type: none">TEF	<ul style="list-style-type: none">It provides the customer with the ability to consume customer related data (e.g., SLA, subscriber data, customer profile),It provides the customer with the ability to consume operation related data (e.g. PM/FM data, logs, trace, analytics reports, event notifications). <p><i>NOTE 1: The management data feeds customer owned systems, and can be used for internal consumption (B2B) or made available to their own customers (B2B2X, e.g. hyperscaler enriches management data with additional information, and exposes them to their own customers via proprietary APIs).</i></p> <ul style="list-style-type: none">It provides the customer with the ability to gain access to Customer-Facing Service (CFS) catalog and inventory. <p><i>NOTE 2: This includes catalog of APIs and inventory of edge nodes (features, location, availability)</i></p>

Location / geofencing



Current description

API family	Tags	Partner who intends to contribute	Description of API family
Localization / Geofencing	CRA: User MAPE: MA		

Proposed description

API family	Tags	Partner who intends to contribute	Description of API family
Geofencing	CRA: User MAPE: ME	TEF, TIM	<ul style="list-style-type: none">○ Define a geographical area or path on which a device/devices are allowed to operate○ Manage rules for action at violation

Merge Localization with Device status

Device status



Current description

API family	Tags	Partner who intends to contribute	Description of API family
Device status	CRA: User MAPE: MA	TEF	<p>It provides the customer with the ability to receive information about device status.</p> <p><i>NOTE 1: The customer can explicitly query for this information (request-response mode) or be reported with notifications on subscribed events (subscribe-notify mode).</i></p> <p><i>NOTE 2: Examples of this info include e.g., location tracking (UE location and cell site), USIM change, no. devices present in an area (RA, TA, cell), device mobility info (intra-TA handover, inter-TA handover), CN type change (5G to 4G, viceversa), roaming status, device reachability (e.g. for SMS delivery).</i></p>

Proposed description

API family	Tags	Partner who intends to contribute	Description of API family
Device status	CRA: User MAPE: MA	TEF	<p>○ Retrieve information about an individual device or groups of devices, e g</p> <ul style="list-style-type: none">▪ Reachability status▪ Roaming status▪ Network used▪ Geographical position▪ IP address▪ IMSI-Device relation▪ Abnormal behaviour <p><i>NOTE 1: The customer can explicitly query for this information (request-response mode) or be reported with notifications on subscribed events (subscribe-notify mode).</i></p> <p><i>NOTE 2: Examples of this info include e.g., location tracking (UE location and cell site), USIM change, no. devices present in an area (RA, TA, cell), device mobility info (intra-TA handover, inter-TA handover), CN type change (5G to 4G, viceversa), roaming status, device reachability (e.g. for SMS delivery).</i></p> <p><i>Note 3: Device status is limited to information available in the communication network and especially does NOT include device specific information about firmware , software, battery state etc.</i></p>

Network status

Examples contain device status, to remove here
Examples overlap with OAM



Current description

API family	Tags	Partner who intends to contribute	Description of API family
Network status	CRA: User MAPE: MA	TEF	<p>It provides the customer with the ability to receive information about network status.</p> <p><i>NOTE 1: The customer can explicitly query for this information (request-response mode) or be reported with notifications on subscribed events (subscribe-notify mode).</i></p> <p><i>NOTE 2: Examples of this info include e.g., network connectivity type (no connectivity, 4G, 5G, ..), performance measurements (e.g. UL/throughput, latency, jitter, packet loss rate, etc.), fault events (e.g. network congestions, node failure).</i></p> <p><i>NOTE 3: Performance measurements and fault events can be provided at network node (function) level, network domain (slice subnet) or end-to-end (slice) level.</i></p>

Proposed description

API family	Tags	Partner who intends to contribute	Description of API family
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Traffic influence



Current description

API family	Tags	Partner who intends to contribute	Description of API family
Traffic Influence	CRA: User MAPE: E	TEF, TIM	<p>It provides the customer with the ability to modify the connection policies of UEs and applications in terms of how the traffic flows (QoS and routing).</p> <p><i>NOTE 2: wrt QoS, the customer can request for a specific 5QI on the session.</i></p> <p><i>NOTE 1: wrt routing, the customer can specify the edge node towards which traffic shall be routed.</i></p>

Proposed description

API family	Tags	Partner who intends to contribute	Description of API family
Traffic Influence	CRA: User MAPE: E	TEF, TIM	<p>It provides the customer with the ability to modify the connection policies of UEs and applications in terms of how the traffic flows (QoS and routing).</p> <p><i>NOTE 2: wrt QoS, the customer can request for a specific 5QI on the session.</i></p> <p><i>NOTE 1: wrt routing, the customer can specify the edge node towards which traffic shall be routed.</i></p>

QoS to be addressed in QoD API

Shall routing be merged with Edge Discovery?

Issues to raise



- Emergency
Use case unclear, existing capabilities are already in use for government

