
1 Justification

SA5 has studied the potential use cases, requirements, and solutions for the enhancements of CHF discovery and selection in TR 28.840, which identified, potential charging scenarios and requirements, it has developed and evaluated the potential solutions for the charging aspects supporting such cases, which will increase the flexibility of CHF Discovery and Selection. The following cases are considered:

- CHF Selection by NF Consumers Information;
- CHF Selection based on SUPI or Group ID;
- CHF Selection by a Tenant or Application;
- CHF Discovery by Charging Domains

It's required normative work in order to make visible the solutions identified for CHF Discovery and selection enhancements in Rel-19.

Feedback Form 1:

1 – Ericsson LM
What would SA5 specify in regards to CHF selection by NF Consumer Information, SUPI, Group ID, Tenant, or Application?
2 – Nokia
In the situations, that it's not required to add new features, a new informative annex is included to make visible on how some the solutions can be used with the current ecosystem

2 Objective

The objective of this work item is to specify the requirements and solutions for CHF Discovery and Selection. Specifically, the areas of work for SA5 include:

- CHF Selection by NF Consumers Information;
 - CHF selection based on location
 - Using NRF locality information

- CHF Selection based on SUPI or Group ID;
 - CHF selection based on user group
 - CHF selection based on internal group identifier

- CHF Selection by a Tenant or Application
 - Generic Identifier Solution
 - CHF selection based on S-NSSAI
 - CHF selection based on S-NSSAI and SUPI

- CHF Discovery by Charging Domains
 - Use enumeration to identify charging domain or subsystem
 - Use Supported Features

This work will be based on the corresponding conclusions documented in TR 28.840.

Feedback Form 2:

<p>1 – HUAWEI TECHNOLOGIES Co. Ltd.</p> <p>The last statment is better placed in the first clause, i.e. Justification.</p>
<p>2 – MATRIXX Software</p> <p>It is important to refer to TR conclusions in the objective</p>
<p>3 – Nokia</p> <p>@Huawei Thank you. It'll be taken in consideration</p>
<p>4 – Nokia</p> <p>@Matrixx The TR conclusions are listed here in the objectives.</p>

3 Expected Output and Time Scale

Table 1:

Impacted existing TS/TR {One line per specification. Create/delete lines as needed}			
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TS/TR No.	Description of change	Target completion plenary#	Remarks
32.240	Use enumeration to identify charging domain or subsystem Include Annex to describe on how the current solutions can already provide the requested flexibility for CHF Discovery and Selection (e.g. using NRF locality, selection based on location)	TSG SA#106 (Dec 2024)	
(Dec 2024)32.291	Adding the charging domains as feature	TSG SA#106 (Dec 2024)	
29.510	Describe on how CHF and discovered by using S-NSSAI and/or SUPI Include generic attribute in Chfinfo Include internalGroupIdentifiersRanges and externalGroupIdentifier-sRanges in Chfinfo	TSG SA#106 (Dec 2024)	

Feedback Form 3:

<p>1 – HUAWEI TECHNOLOGIES Co. Ltd.</p> <p>Comment to TS 29.510: I understand we might introduce enhancements to this spec, depends on the discussion with CT. But can we include a CT specification as an impacting TS in the SA5 charging work?</p>
<p>2 – Nokia</p> <p>@Huawei Thank you. TS29.500 will be included.</p>

4 Aspects that involve other WGs

The following aspects are potentially analysed by CT4:

- Extending ‘Chfinfo’

Feedback Form 4:

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