**3GPP TSG-WG SA2 Meeting #165S2-2410192**

**Hyderabad, India, 14 – 18 October 2024**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **23.501** | **CR** | **5739** | **rev** | **-** | **Current version:** | **19.1.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **x** |

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| ***Title:*** | KI#2: UE subscription and policy control for energy efficiency and energy saving | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Vivo | | | | | | | | | |
| ***Source to TSG:*** | SA2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | EnergySys | | | | |  | ***Date:*** | | | 2024-09-25 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***Release:*** | | | Rel-19 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | In the conclusion for KI#2 of TR 23.700-66, the UE subscription and policy control for energy efficiency and saving is agreed. The related subscription and policy control function needs to be added. | | | | | | | | |
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| ***Summary of change:*** | | The Energy Consumption Credit Limit is added into the UE subscription data. The related policy control based on the Energy Consumption Credit Limit is added. | | | | | | | | |
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| ***Consequences if not approved:*** | | The UE subscription and policy control for energy efficiency and saving is not supported. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.X.Y (new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **x** |  | Other core specifications | | | | TS 23.502 CR 5070 | | |
| ***affected:*** | |  | **x** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR’s revision history:*** | |  | | | | | | | | |

\* \* \* \* First change (all text new) \* \* \* \*

### 5.X.Y UE Subscription and Policy Control for Energy Efficiency and Energy Saving

The Energy Efficiency and Saving Subscription data may be included in the UDM, as specified in clause 5.2.3.3.1 in TS 23.502 [3]. The Energy saving indication and Energy Consumption threshold within the subscription data may be decided by the network according to the requirements from the third party or the subscriber.

The PCF gets the UE subscription data related with energy from the UDM. Based on the UE subscription data, the PCF may subscribe with the EECF the notification for the energy consumption related information. Based on the notification from EECF, the PCF may make the policy decisions as defined in the TS 23.503 [45].

Editor’s note: what the energy consumption related information notification from EECF would be is FFS.

\* \* \* End of changes \* \* \* \*