**3GPP TSG-SA4 Meeting # 129-eS4-241537\_r01**

**Online, 19th August – 23th August 2024**

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| *CR-Form-v12.2* | | | | | | | | |
| **PSEUDO CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **26.942** | **CR** |  | **rev** |  | **Current version:** | **0.2.1** |  |
|  | | | | | | | | |
| *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 | **X** | Radio Access Network |  | Core Network | **X** |

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|  | | | | | | | | | | |
| ***Title:*** | [FS\_MediaEnergyGREEN] KI#3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Orange | | | | | | | | | |
| ***Source to TSG:*** | S4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | FS\_MediaEnergyGREEN | | | | |  | ***Date:*** | | | 2024-05-20 |
|  |  | | | |  | |  | | |  |
| ***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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
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| ***Reason for change:*** | | Add a section describing Key Issue #3: Evaluation framework. | | | | | | | | |
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| ***Summary of change:*** | | Addition of a section describing of the Key Issue #3: Evaluation framework. | | | | | | | | |
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| ***Consequences if not approved:*** | | SID objectives will not be met. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 2, 6.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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| **1st Change** |

# 2 References

[EmpCo] Directive (EU) 2024/825: "amending Directives 2005/29/EC and 2011/83/EU as regards empowering consumers for the green transition through better protection against unfair practices and better information", 28th February 2024.  
https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32024L0825

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| **2nd Change** |

## 6.3 Key Issue #3: Evaluation framework

### 6.3.1 Description

The complexity of the media delivery chain raises technical challenges in terms of environmental impact measurement and accountability. There is no explicitly and uniformly defined methodology to evaluate the energy usage/savings of multimedia standards features and proposals which leads to significant variation in the results of different studies. Regulators and legislatives like the European Parliament have already provided more precise guidelines, targeting companies or services, to assess cases of unfair environmental advertising [EmpCo].

A characterisation framework to evaluate the energy usage/savings of multimedia standards features and proposals for relevant 3GPP scenarios is also needed to justify claims. The framework presented in this Key Issue is based on the normative work (e.g., granularities or energy-related information) recommended by Key Issues #1 and #2 of the present document, and includes a set of relevant scenarios and anchors. It is not dependent on a particular implementation of the feature or other parts of the system and allows to compare a energy efficient implementation against and implementation not relying on the proposed standards feature. Use of external commonly supported estimation frameworks mentioned in clause 4.2.3 and 4.2.4 shall be reviewed and agreed by SA4 before using them in developing its own evaluation framework.

### 6.3.2 Potential requirements

[PR 3-1] Based on the APIs, metrics, and mechanisms available in the 5G System, a framework shall be defined to evaluate the energy usage/savings of multimedia standards features and proposals for relevant 3GPP scenarios on which anchors are defined.

[PR 3-2] Commonly supported approaches to estimate the energy usage/savings that have been reviewed and agreed by SA4 shall be used in the evaluation framework.

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| **End of Changes** |