**3GPP TSG-CT WG1 Meeting #137-eC1-225055**

**E-Meeting, 18th – 26th August 2022**

**Source: Nokia, Nokia Shanghai Bell**

**Title: New WID on IMS Stage-3 IETF Protocol Alignment**

**Document for: Approval**

**Agenda Item: 18.1.1**

3GPP™ Work Item Description

Information on Work Items can be found at <http://www.3gpp.org/Work-Items>
See also the [3GPP Working Procedures](http://www.3gpp.org/specifications-groups/working-procedures), article 39 and the TSG Working Methods in [3GPP TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm)

Title: IMS Stage-3 IETF Protocol Alignment

Acronym: IMSProtoc18

Unique identifier:

Potential target Release: Rel-18

# 1 Impacts

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Affects: | UICC apps | ME | AN | CN | Others (specify) |
| Yes |  | X |  | X |  |
| No | X |  | X |  | X |
| Don't know |  |  |  |  |  |

# 2 Classification of the Work Item and linked work items

## 2.1 Primary classification

### This work item is a …

|  |  |
| --- | --- |
| X | Feature |
|  | Building Block |
|  | *Work Task* |
|  | Study Item |

## 2.2 Parent Work Item

|  |
| --- |
| Parent Work / Study Items  |
| Acronym | Working Group | Unique ID | Title (as in 3GPP Work Plan) |
| N/A |  |  |  |

### 2.3 Other related Work Items and dependencies

|  |
| --- |
| Other related Work /Study Items (if any) |
| Unique ID | Title | Nature of relationship |
| 880023 | IMS Stage-3 IETF Protocol Alignment | IMSProtoc17 was a work item with the same intent in the Rel-17 timeframe. There were also similar work items for earlier Releases starting from Rel-7 |

# 3 Justification

In Release 5, the IMS was defined to support IP Multimedia services. The feature set in Release 5 provided a basis for IP Multimedia support. At Release 6, 7, 8, 9, 10, 11, 12, 13, 14, 15,16 and 17 further work was identified. At Release 18 the need for other new capabilities is being identified, and there is still ongoing work in IETF that should be documented in relation to its impact on IMS.

In general, this work item is about maintaining alignment of the development of the SIP used in IMS with that currently defined by IETF. Such changes are principally the end-to-end or end-to-application support of information, and go beneath the level of detail of what is required from the stage 1 and stage 2 descriptions.

Having said that, there may be minor stage 1 and stage 2 enhancements produced under TEI18 that could be further developed at stage 3 under this work item.

# 4 Objective

The areas to be considered are:

1. Ensure protocol alignment between 3GPP Stage 3 IMS work and IETF. Review of existing and future capabilities provided in SIP by IETF, and provide documentation whether these capabilities are supported in the IM CN subsystem or not.
2. In addition to the above listed item, there may be minor technical improvements and enhancements to IMS, not of sufficient significance to be normally covered by a work item, that can be dealt with by this work item. The scope of this WID is protocol alignment, and those capabilities that may lead to new or enhanced IMS applications are not dealt with as part of this WID.

# 5 Expected Output and Time scale

|  |
| --- |
| New specifications {One line per specification. Create/delete lines as needed} |
| Type  | TS/TR number | Title | For info at TSG#  | For approval at TSG# | Rapporteur |

|  |
| --- |
| Impacted existing TS/TR {One line per specification. Create/delete lines as needed} |
| TS/TR No. | Description of change  | Target completion plenary# | Remarks |
| 23.218 | Review of additional capabilities provided in SIP by IETF, and provide documentation as whether these capabilities are supported in the IM CN subsystem or not | CT#102 | CT1 responsibility |
| 24.229 | Review of additional capabilities provided in SIP by IETF, and provide documentation as whether these capabilities are supported in the IM CN subsystem or not | CT#102 | CT1 responsibility |
| 24.930 | Correction of any errors in this TR | CT#102 | CT1 responsibility |
| 29.163 | Changes to this specification consequent on changes to 24.229 made under this work item | CT#102 | CT3 responsibility |
| 29.165 | Changes to this specification consequent on changes to 24.229 made under this work item | CT#102 | CT3 responsibility |
| 29.292 | Changes to this specification consequent on changes to 24.229 made under this work item | CT#102 | CT3 responsibility |

# 6 Work item Rapporteur(s)

Gkatzikis, Lazaros (Nokia)

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# 7 Work item leadership

CT1

# 8 Aspects that involve other WGs

None.

# 9 Supporting Individual Members

|  |
| --- |
| Supporting IM name |
| Nokia |
| Nokia Shanghai Bell |
| NTT |
| Huawei |
| Ericsson |
| Deutsche Telekom |
| Lenovo |