IEEE P802.11  
Wireless LANs

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| Liaison statement from ETSI ISG F5G | | | | |
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Abstract

This document contains a liaison received from ETSI ISG F5G on F5G Advanced Use Cases Release 3. The liaison is embedded below and copied on the following pages.



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| **Title\*:** | **LS/o on F5G Advanced Use Cases Release 3** | | |
|  |  | | |
| from **Source**\*: | Huawei Tech.(UK) Co.. Ltd | | |
| Contact: | Marcus Brunner | | |
|  |  | | |
| input for **Committee**\***:** | F5G | | |
|  |  | | |
| Contribution **For\*:** | Decision | **X** |  |
|  | Discussion |  |  |
|  | Information |  |  |
|  |  | | |
| Submission date**\***: | 2024-05-22 | | |
|  |  | | |
| Meeting & Allocation: | **F5G-F2F#18** - | | |
| Relevant WI(s), or deliverable(s): |  | | |
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**Decision requested:** Please approve

**ABSTRACT:**

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| **Liaison Statement** | | |
| **Title:** | | **LS/o on F5G Advanced Use Cases Release 3** |
| Date: | | June 25, 2024 |
|  | |  |
| **From** (source): | | ETSI ISG F5G |
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| Response to: (if applicable) | |  |
|  | |  |
| Attachments:  (if applicable) | ETSI GR F5G 020 V1.1.1, Fifth Generation Fixed Network (F5G); F5G Advanced Use Cases; Release 3, (2024-06)  and at https://www.etsi.org/deliver/etsi\_gr/F5G/001\_099/020/01.01.01\_60/gr\_F5G020v010101p.pdf | |
|  | | |

1. **Overall description:**

ETSI GR F5G 020 V1.1.1, F5G Advanced Use Cases; Release 3 describes the use cases to be enabled by the F5G Advanced (F5G-A) network. The use cases in that document include services and applications for residential customer, enterprises, vertical industries, network operation optimizations, and evolved fixed end-to-end infrastructure, which were not supported by the F5G network. Use cases will aim to introduce new technical requirements for the F5G Advance network along various characteristic dimensions. The use cases will be used as input to F5G Advanced Technology Requirements and Gap Analyses activities to extract technical requirements.

Table 1 summarizes the different use cases from three different perspectives:

* Key F5G-Advanced generation dimensions: The six characteristic dimensions of F5G Advanced are specified in the document on generation definitions ETSI GR F5G 021 (Fifth Generation Fixed Network (F5G); F5G Advanced Generation Definition), namely eFBB (enhanced Fixed Broadband), RRL (Real time Resilience link) GRE (Guaranteed Reliable Experience), OSV (Optical sensing and visualisation), FFC (Full-Fibre Connection), and GAO (Green Agile Optical network).
* Key segment and business area addressed: F5G-A is leveraging technologies of fibre optical networks to benefit multiple segments including residential applications, enterprise applications, network internal topics such as network optimizations plus the use of F5G-A for the mobile infrastructure and service convergence, and finally vertical industries-oriented use cases.
* Key focus of the use case: new or enhanced services, network infrastructure, or in service/network management and optimization.

Table 1: Use cases with key dimensions, segments and focus



The following Table 2 provides the ETSI ISG F5G view about what use cases might be of particular interest to each organization.

Table 2: Potential interest of organization in use cases

|  |  |
| --- | --- |
| **Organization** | **F5G Advanced Use Cases** |
| **ITU-T SG15 Working Party 1** | UC#2, UC#3, UC#6, UC#7, UC#9, UC#10, UC#11, UC#12, UC#14, UC#15, UC#17 |
| **ITU-T SG15 Working Party 2** | UC#5, UC#11, UC#13, UC#16 |
| **ITU-T SG15 Working Party 3** | UC#1, UC#4, UC#8, UC#13, UC#15, UC#16 |
| **Broadband Forum** | UC#1, UC#2, UC#3, UC#6, UC#7, UC#10, UC#11, UC#12, UC#17 |
| **ETSI TC ATTM** | UC#11 |
| **CCSA TC6** | All UCs |
| **IEEE 802.11** | UC#2, UC#6, UC#7, UC#10, UC#12 |

**2. Actions:**

Please consider the use cases in the attached document for the further development of your organization’s specifications.

**3. Date of next meetings of the originator:**

F5G-F2F#19, Aug 26-30, 2024, Sophia Antipolis, FR