**3GPP TSG-SA5 Meeting #158 *S5-247048***

Orlando, USA, 18 - 22 November 2024

3GPP TSG-SA Meeting #106 Tdoc <DocNumber>

Madrid, Spain, 10 - 13 December 2024

**Title: Presentation of Report to TSG:  
TR 28.853, Version 1.0.0**

**Source: SA5**

**Document for: Information**

**Abstract of document:**

TR 28.853 is a technical report which studies the charging aspects for the support of uncrewed aerial systems. The following is studied:

- Identify charging scenarios and requirements for supporting uncrewed aerial systems.

- Evaluate the potential solutions to support the above charging scenarios and charging.

The study mainly includes the following aspects:

* The background of studying charging aspects of uncrewed aerial systems.
* Charging scenarios and key issues, including:

1. Converged charging with UAV Indication
2. Charging support of C2 Communication
3. Service Exposure to the USS
4. A2X services for UAS Charging

* Overall Conclusions and Recommendations.

**Changes since last presentation to SA Meeting #105:**

This is the first presentation.

**Outstanding Issues:**

Add potential solution, evaluation and conclusion for C2 Communication charging. Expected before TSG-SA Meeting #107.

**Contentious Issues:**

None.

Change history of this document:

1999-11-17: original issue

2007-09-06: removal of references to Working Groups; bring names of TSGs up to date; correction of typo

2015-01-06: adds tdoc header & removes redundant information below