**Source: Bytedance**

**Title:** **Permanent document on deliverables for DaCAS**

**Version: v0.1.0**

**Document for: Discussion & Agreement**

**Agenda Item: 7.6/14.2**

# 1. Introduction

This permanent document serves the purpose of tracking the progress of defining DaCAS example solutions and their deliverables. The information in this document serves as the building-block of the relevant clauses in TS 26.533.

# 2. Example Solutions and Deliverables.

Note:

- The following skeleton in clause 2.1 serves as a template for future example solution contributions. Contributions, after agreed, will be integrated into this pdoc.

2.1 Example solution

[

Note from [1]:

- Proponents provide their executables to TBD

- Behavior of the submitted executable should correspond with high-level description, algorithmic description, and source code (July/August deliverables). Any updates or changes to the executable behavior shall be documented and reported to SA4.

- Documentation shall enable processing for evaluating the proposed example solution(s) using common databases and any additional testing materials corresponding with the corresponding target device or target device type descriptions.

- Proponents are to provide an acceptable IPR declaration corresponding to the IPR policy of their 3GPP Partner Organization (e.g., ETSI) and inform SA4

]

2.1.1 High-level description

TBD

[Note: High-level description should be submitted and agreed by TBD]

#### 2.1.1.1 Input interfaces

TBD

#### 2.1.1.2 Processing procedure.

TBD

[

Note from [1]:

- High-level description allows analysis of the proposed example solution(s), it should therefore include relevant design information, e.g., algorithmic delay

- Pseudo-CR for TS 26.533 covering the general description of the proposed example solution(s)

]

2.1.2 Algorithmic description of example solution

TBD

[Note: Algorithm description should be submitted and agreed by TBD]

2.1.3 Source code

TBD

[

Note:

- The allowed programming language is still TBD (from [1])

- For potential NN-based method, training code and trained weight needs to be provided for reproducibility

- Source code should be submitted and agreed by TBD

]

2.1.4 Test vector

TBD

[

Note:

- Original test vectors may belong to a non-proponent party

- Test vector should be submitted and agreed by TBD

]

2.1.5 Evaluation and verification results

TBD

[Note: Evaluation and verification results should be submitted and agreed by TBD]

#### 2.1.5.1 Objective evaluation results

TBD

[

#### 2.1.5.2 Subjective evaluation results

TBD

Note:

- Whether we should include subjective test is TBD. One suggestion is to mark this as an optional clause.

]

2.1.6 [(Optional)] Complexity analysis of example solution

TBD

# 3. Conclusion

This permanent document serves the purpose of tracking the progress of defining DaCAS example solutions and their deliverables. The information in this document serves as the building-block of the relevant clauses in TS 26.533.

# References

[1] S4-250963: “Proposal for DaCAS deliverables”, Nokia.