**3GPP TSG-SA5 Meeting #142-e *S5-222118***

**e-meeting, 4 - 12 April 2022**

**Source: Huawei**

**Title: pCR TR 28.865 skeleton proposal**

**Document for: Approval**

**Agenda Item: 6.5.21**

# 1 Decision/action requested

***Discuss and approve on the proposal.***

# 2 References

[1]  [SP-211442](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3693): "New SID on deterministic communication service assurance"

# 3 Rationale

It is proposed to add skeleton for Key Issues and potential solutions in draft TR 28.865 from Rapporteur point of view.

# 4 Detailed proposal

This document proposes the following changes in TR 28.865.

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| **1st Change** |

# 4 Overview and Concepts

## 4.1 Overview

*Editor's note: this clause will contain overview of requirements, related network functions and management aspects to support deterministic communication services.*

## 4.2 Concepts

*Editor's note: this clause will contain concept of deterministic communications, the generic aspects for provisioning and assurance of deterministic communication services.*

# 5 Key Issues and potential solutions

*Editor's note: this clause will contain the key issues and potential solutions for deterministic communication service assurance.*

## 5.X Key Issue #1: Provisioning of network functions related to deterministic communication service

*Editor's note: this clause will contain the description and potential solutions for provisioning of network functions related to deterministic communication service, e.g. URLLC related network functions, 5GS integration with TSN related network functions.*

### 5.X.1 Description

Editor’s note: This clause provides a description of the key issue#1.

### 5.X.2 Potential solutions

#### 5.X.2.a Potential solution #<a>: <Potential Solution a Title>

##### 5.X.2.a.1 Introduction

Editor's Note: This clause describes briefly the potential solution for key issue#1 at a high-level.

##### 5.X.2.a.2 Description

Editor's Note: This clause further details the potential solution and any assumptions made for key issue#1.

### 5.X.3 Conclusion - Impact on normative work

Editor's Note: This clause provides the conclusion from the aspect of impact on normative work for key issue#1.

## 5.Y Key Issue #2: Service assurance for video monitoring

*Editor's note: this clause will contain the description and potential solutions for the service assurance of video monitoring, e.g. service requirements, related measurements and service performance analysis. Video monitoring is one of the deterministic communication services in cyber-physical control scenarios described in TS 22.104.*

### 5.Y.1 Description

Editor’s note: This clause provides a description of the key issue#2.

### 5.Y.2 Potential solutions

#### 5.Y.2.a Potential solution #<a>: <Potential Solution a Title>

##### 5.Y.2.a.1 Introduction

Editor's Note: This clause describes briefly the potential solution for key issue#2 at a high-level.

##### 5.Y.2.a.2 Description

Editor's Note: This clause further details the potential solution and any assumptions made for key issue#2.

### 5.Y.3 Conclusion - Impact on normative work

Editor's Note: This clause provides the conclusion from the aspect of impact on normative work for key issue#2.

## 5.Z Key Issue #3: Service assurance for PLC control

*Editor's note: this clause will contain the description and potential solutions for the service assurance of PLC control, e.g. service requirements, related measurements and service performance analysis. PLC control is one of the deterministic communication services in cyber-physical control scenarios described in TS 22.104.*

### 5.Z.1 Description

Editor’s note: This clause provides a description of the key issue#3.

### 5.Z.2 Potential solutions

#### 5.Z.2.a Potential solution #<a>: <Potential Solution a Title>

##### 5.Z.2.a.1 Introduction

Editor's Note: This clause describes briefly the potential solution for key issue#3 at a high-level.

##### 5.Z.2.a.2 Description

Editor's Note: This clause further details the potential solution and any assumptions made for key issue#3.

### 5.Z.3 Conclusion - Impact on normative work

Editor's Note: This clause provides the conclusion from the aspect of impact on normative work for key issue#3.

# 6 Relation and potential enhancements to eCOSLA

*Editor's note: this clause provides descriptions for the relation and potential enhancements to eCOSLA.*

# 7 Conclusions and recommendations

*Editor's note: this clause will be used to document the conclusions and recommendation of the study, including potential requirements for the corresponding management services for deterministic communication service assurance.*

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| **End of change** |