**Source: Samsung Electronics Co., Ltd. (Rapporteur)**

**Title: [FS\_MS\_NS\_Ph2] Proposed Updated Time and Work Plan**

**Version:**

**Agenda Item: 8.10**

**Document for: Discussion and Agreement**

1. Introduction

During SA4#119-e the New Study Item on “Feasibility Study on Network Slicing Extensions” in S4-220713 was agreed and afterwards approved in SA#96 in SP-220675. The SID title was updated to “Study on media streaming aspects of Network Slicing Phase 2”

The objectives of this study item are primarily to identify missing aspects for support of media streaming due to network slicing. Aspects related to service provisioning, dynamic policy, resolution of slices-specific application instances are to be studied.

The concrete objectives are as follows:

* List and describe use cases that can be addressed using network slicing, and study collaboration scenarios and deployment architectures to support network slicing for media services
* Describe and document provisioning aspects for configuring media services with one or more network slices at M1, including QoS configuration, reporting and dynamic policy provisioning for different network slices.
* Identify impact of network slicing on dynamic policy invocation APIs at M5, including selection of appropriate network slices for M5 requests, possible migration of UE application traffic flows between network slices due to dynamic policy procedures, discovery of dynamic policy AF, and routing considerations to reach the discovered AF.
* Determine the need and describe methods for AF-to-AF communication to support interoperability if 5GMS AF instances from different vendors are deployed in the same 5GMS System.
* Identify methods for deploying, supporting, and resolving slice-specific 5GMS AS instances, including methods such as modification of media entry point documents, use of routing principles such as DNS etc. Provisioning of slice-specific 5GMS AS instances at M1 is also to be studied.
* Identify potential areas for normative work as the next phase and communicate/align with SA2 as well as other potential 3GPP WGs on relevant aspects related to the study.

1. Proposed Time and Work Plan

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| **Meeting** | **Study on Media Streaming aspects of Network Slicing - #960048** |
| **SA4#119-e (11 – 20 May 2022, e-meeting)** | * Agree New Study Item “Feasibility Study on Network Slicing Extensions” in S4-220713 |
| **SA#96 (07 – 10 June, 2022)** | * Approve New Study Item “Media Streaming aspects of Network Slicing Phase 2” in SP-220675 |
| **SA4#120-e (17 – 26 August 2022, e-meeting)** | * **Agree specification skeleton and scope for TR 26.941** * **Agree initial Work Plan** * **Initiate work on:**   + **Study of relevant network slicing use cases and collaboration scenarios**   + **Study and description of initial set of key issues**   + **Identification of possible new key issues in scope of TR 26.941 for inclusion in TR** |
| **3GPP SA4 MBS SWG Telco (September 8, 2022, 15:30 – 17:30 CEST, Host Samsung)** | * **Progress work on:**   + **Study and description of relevant network slicing use cases and collaboration scenarios**   + **Study and description of initial set of key issues**   + **Identification of possible new key issues in scope of TR 26.941 for inclusion in TR** * **Submission deadline September 7, 2022, noon CEST** |
| **3GPP SA4 MBS SWG Telco (September 22, 2022, 15:30 – 17:30 CEST, Host Samsung)** | * **Progress work on:**   + **Study and description of relevant network slicing use cases and collaboration scenarios**   + **Description of key issues and candidate solutions**   + **Identification of possible new key issues in scope of TR 26.941 for inclusion in TR** * **Submission deadline September 21, 2022, noon CEST** |
| **3GPP SA4 MBS SWG Telco (October 6, 2022, 15:30 – 17:30 CEST, Host Samsung)** | * **Progress work on:**   + **Description of relevant network slicing use cases and collaboration scenarios**   + **Description of key issues and candidate solutions**   + **Identification of possible new key issues in scope of TR 26.941 for inclusion in TR** * **Submission deadline October 5, 2022, noon CEST** |
| **3GPP SA4 MBS SWG Telco (October 20, 2022, 15:30 – 17:30 CEST, Host Samsung)** | * **Progress work on:**   + **Description of key issues and candidate solutions**   + **Identification of possible new key issues in scope of TR 26.941 for inclusion in TR** * **Submission deadline October 19, 2022, noon CEST** |
| **SA4#121 (14 – 18 November 2022, Europe)** | * **Progress work on:**   + **Description of key issues and candidate solutions**   + **Identification of possible new key issues in scope of TR 26.941 for inclusion in TR** |
| **3GPP SA4 MBS SWG Telco (Dec 8, 2022, 15:30 – 17:30 CET, Host Qualcomm)** | * **Progress work on:**   + **Description of key issues and candidate solutions**   + **Identification of possible new key issues in scope of TR 26.941 for inclusion in TR** * **Submission deadline Dec 7, 2022, noon CET** |
| **3GPP SA4 MBS SWG Telco (Dec 22, 2022, 15:30 – 17:30 CET, Host Qualcomm)** | * **Progress work on:**   + **Description of key issues and candidate solutions**   + **Identification of possible new key issues in scope of TR 26.941 for inclusion in TR** * **Submission deadline Dec 21, 2022, noon CET** |
| **3GPP SA4 MBS SWG Telco (Jan 12, 2023, 15:30 – 17:30 CET, Host Qualcomm)** | * **Progress work on:**   + **Description of key issues and candidate solutions**   + **Identification of possible new key issues in scope of TR 26.941 for inclusion in TR** * **Submission deadline Jan 11, 2023, noon CET** |
| **3GPP SA4 MBS SWG Telco (Feb 9, 2023, 15:30 – 17:30 CET, Host Qualcomm)** | * **Progress work on:**   + **Description of key issues and candidate solutions**   + **Identification of possible new key issues in scope of TR 26.941 for inclusion in TR** * **Submission deadline Feb 8, 2023, noon CET** |
| **SA4#122 (20 – 24 February 2023, Athens, GR)** | * Progress work on:   + Description of key issues and candidate solutions   + Identification of possible new key issues in scope of TR 26.941 for inclusion in TR |
| **3GPP SA4 MBS SWG Telco (Mar 9, 2023, 15:30 – 17:30 CET, Host Qualcomm)** | * Progress work on:   + Description of key issues and candidate solutions   + Identification of possible new key issues in scope of TR 26.941 for inclusion in TR * Submission deadline Mar 8, 2023, noon CET |
| **3GPP SA4 MBS SWG Telco (Mar 16, 2023, 15:30 – 17:30 CET, Host Qualcomm)** | * Progress work on:   + Description of key issues and candidate solutions   + Identification of possible new key issues in scope of TR 26.941 for inclusion in TR * Submission deadline Mar 15, 2023, noon CET |
| **3GPP SA4 MBS SWG Telco (Mar 30, 2023, 15:30 – 17:30 CEST, Host Qualcomm)** | * Progress work on:   + Description of key issues and candidate solutions   + Identification of possible new key issues in scope of TR 26.941 for inclusion in TR * Submission deadline Mar 29, 2023, noon CEST |
| **SA4#123-e (17 – 21 April 2023, e-meeting)** | * Progress work on:   + Description of key issues and candidate solutions   + Identification of possible new key issues in scope of TR 26.941 for inclusion in TR |
| **SA4#124 (22 – 26 May 2023, Berlin, Germany)** | * Progress work on:   + Description of key issues and candidate solutions   + Identification of possible new key issues in scope of TR 26.941 for inclusion in TR |
| **SA4#125 (21 – 25 August 2023, Goteborg)** | * Progress work on:   + Description of key issues and candidate solutions   + Identification of possible new key issues in scope of TR 26.941 for inclusion in TR * Initiate work on:   + Identification of gaps and potential related normative work and conclusions   + Evaluation of multiple candidate solutions for key issues to recommend preferred solutions if applicable * Agree on TR 26.941 v1.0.0 to be sent to SA plenary for information |
| **SA#101 (11 – 15 September 2023, India)** | * Present TR 26.941 v1.0.0 for information |
| **SA4#126 (13 – 17 November 2023, Chicago, US)** | * Progress work on:   + Description of key issues and candidate solutions   + Evaluation and recommendation of any preferred solutions for key issues with multiple candidate solutions if applicable * Continue work on:   + Identification of gaps and potential related normative work and conclusions   + Evaluation of multiple candidate solutions for key issues to recommend preferred solutions if applicable * Agree on TR 26.941 v2.0.0 to be sent to SA plenary for approval |
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| **SA#102 (11 – 15 December 2023, EU)** | * Present TR 26.941 v2.0.0 for approval |

1. Proposal

It is proposed to agree on the work plan as described in clause 2.