**3GPP TSG-SA WG6 Meeting #52 S6-22xxxx**

**Toulouse, 14th – 18th November 2022 (revision of S6-22xxxx)**

**Source: BDBOS**

**Title: Exchange application plane server identity information**

**Spec: 3GPP TR 23.700-38 v0.4.0**

**Agenda item: 9.2**

**Document for: Approval**

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**1. Introduction**

This pCR adds a solution to solve key issue 5.

**2. Reason for Change**

This pCR adds a solution to solve key issue 5, and address SA1 requirements:

[R-5.16.4-004] An MCX Service shall provide a mechanism to allow an authorised MCX User to request configuration information (e.g., users, groups, security level) from Partner MCX Service Systems.

[R-5.16.4-005] An MCX Service shall provide a mechanism to allow an authorised MCX User to send configuration information to Partner MCX Service Systems.

This solutions enables an authorized user to query server identity information from a partner MC system. Enabling an authorized user to use this information for profiles/initial configurations for those MC service user(s) need to migrate to that partner MC System

**3. Conclusions**

<Conclusion part (optional)>

**4. Proposal**

It is proposed to agree the following changes to 3GPP TR 23.700-38 v0.4.0.

\* \* \* First Change \* \* \* \*

7.2 Mapping of solutions to key issues

**Table 7.2-1 Mapping of solutions to key issues**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | KI #1 | KI #2 | KI #3 | KI #4 | KI#5 | KI#6 |
| Sol #1 | X |  |  |  |  |  |
| Sol #2 | X |  |  |  |  |  |
| Sol #3 |  |  |  |  |  | X |
| Sol #5 |  |  | X |  |  |  |
| Sol#x |  |  |  |  | X |  |

\* \* \* Next Change \* \* \* \*

7.x Solution #x: Exchange application plane server identity information

7.x.1 General

This solution addresses the following aspects:

* Key issue 5 - change user configuration

Part of the initial MC service user(s) configurations to support migration to partner MC system(s), the primary MC system needs to provide the application plane server identity information of the partner MC system to migrating MC service user(s). Such information can be exchanged between the MC systems using ACMX entities as described in the following procedure.

7.x.2 Solution description

### 7.x.1.2 Information flows

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7.x.1.3 Procedure

The procedure for an authorized MC service user in a primary MC system to request a partner MC system to provide the *Application plane server identity information* is shown in figure 7.x.1.3-1.

Pre-conditions

* The primary and partner MC system(s) are configured to accept connections from relevant ACMCs via the respective ACMSs in each of the connected MC service system(s) and have been configured and authorized successfully to allow exchange of administrative configuration information
* The relevant ACMC(s) and ACMS connection authorizations have been established successfully



Figure 7.x.1.3-1: Server identity information request

1. The primary ACMC sends server identity information request to the primary ACMS, requesting to authorize a list of MC users from the primary MC System to migrate to the partner MC System.

2. The primary ACMS performs an authorization check to verify that the MC service user is authorized to perform this action. A successful authorization check results in the server identity information request being forwarded to the relevant partner ACMS.

3. The primary ACMS sends the server identity information request to the partner ACMS.

NOTE 1: Step 3 is not followed if the authorization was unsuccessful.

4. The partner ACMS stores the incoming request.

5. The partner ACMS send server identity information request stored indication to the primary MC system.

NOTE 2: There may be a considerable pause between step 4 and 7.

6. Based on local policies and configurations, the partner ACMS may automatically handle the received request and send server identity information response to the primary ACMS, or may require request verification by the ACMC as described in steps 8 to 11.

7. The authorized MC service user of partner MC system logs on to the partner ACMC.

8. The partner ACMS notifies the ACMC of the pending request.

9. The partner ACMC queries the partner ACMS for pending requests.

10. The partner ACMS forwards the stored server identity information request to the partner ACMC.

11. The authorized MC service user of partner MC system checks the content of the server identity information request and decides whether to approve it or not.

12. The partner ACMC sends server identity information response to the partner ACMS.

13. The partner ACMS sends server identity information response to the primary ACMS.

14. The primary ACMC stores the server identity information response.

15. The authorized user of primary MC system logs on to primary ACMC.

NOTE 3: There may be a considerable pause between step 14 and 15.

16. The primary ACMS notifies the ACMC of the pending request.

17. The primary ACMC queries the primary ACMS for pending responses.

18. The primary ACMS forwards the user configuration response to the primary ACMC.

7.x.2 Solution evaluation

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\* \* \* End of Change \* \* \* \*