**3GPP TSG-SA5 Meeting #156 *S5-244176***

Maastricht, Netherlands, 18 Aug - 23 Aug 2024

**Source: Samsung**

**Title: Feedback Management Solutions.**

**Document for: Approval**

**Agenda Item: 6.19.4**

# 1 Decision/action requested

***In this box give a very clear / short /concise statement of what is wanted.***

# 2 References

None

# 3 Rationale

This provides the solution for existing use case of CCL.

# 4 Detailed proposal

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| **First Change** |

## 5.11 Consumers feedback on CCL actions

### 5.11.1 Description

In fully automated control loops, the CCL re-configures a particular NF to meet its stated goals without the involvement of any other entity. The actions executed by the CCL have different levels of satisfaction for the different consumers. Without a reliable means to gauge consumer Execution Satisfaction, the CCL lacks the feedback to fine-tune and optimize functionality, and so is unable to improve the overall performance. To be able to provide gauge the satisfaction, the consumer should be able to receive information about the provisioning operations executed by the CCL. This information includes operation performed, MOIs updated etc.

Based on some local policies, the consumer may prefer that a particular NF is not updated as part of the Execution step of CCL. The consumer should be enabled to revoke the changes made to a NF. Consumer may also update the CCL to ensure that a particular NF is never updated in future. The existing attribute aCCLDisallowedList can be used, as appropriate.

Alternatively, the consumer may want to provide feedback enabling the CCL to apply an alternative approach to achieve the objectives. The consumer should be able to provide its feedback on the execution indicating how satisfied the consumer is with the CCL actions. For example, the consumer feedback may grade the usefulness of the executed action on a fixed scale say from 0 (indicating a terrible and never to be re-used action) to 10 (indicating a very good action for the interests of the consumer).

Note: the actions that need to be provided to the consumer are decided by the producer.

### 5.11.2 Potential Requirements

REQ-FED-FUN-01: The 3GPP management system should enable consumer to provide its feedback on the action(s) taken by CCL.

REQ-FED-FUN-02: The 3GPP management system should enable consumer to request for revocation of the action(s) taken by the CCL.

REQ-FED-FUN-03: The 3GPP management system should have a capability enabling consumer to receive information (e.g., operation performed, MOIs updated) about the action(s) taken by the CCL.

5.11.3 Potential Solution

The solution involves introducing a new set of information to be maintained for each CCL. This information include the following:

1. ACCL identification (only when the IOC is name-contained in SubNetwork)
2. Feedback Time stamp: Time at which the feedback was provided
3. Satisfaction Score: It indicates the numeric value ranging from 1 to 10 (1 being the worse), providing the consumer’s satisfaction for the CCL.
4. Execution Revoke: The action taken by the CCL may be proved to be so bad that a consumer may wish to revoke them. This will indicate if the execute actions performed by the CCL, for a particular goal/target, need to be revoked. This may also indicate the goal/target for which the related actions need to be revoked.

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| **Last Change** |