**3GPP TSG-SA5 Meeting #140-e *S5-216308rev1***

**e-meeting, 15 - 24 November 2021**

**Source: AsiaInfo**

**Title: pCR TR 28.824 add procedures related to product onboarding**

**Document for: Approval**

**Agenda Item: 6.5.4**

# 1 Decision/action requested

***The group is asked to discuss and approve the proposal.***

# 2 References

[1] 3GPP TR 28.824: " Study on network slice management capability exposure " V0.3.0

# 3 Rationale

Product onboarding is the procedure of managing the product catalog which can be exposed before a product order has been created.

# 4 Detailed proposal

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| **1st change** |

4.1.4.X Procedure for product onboarding

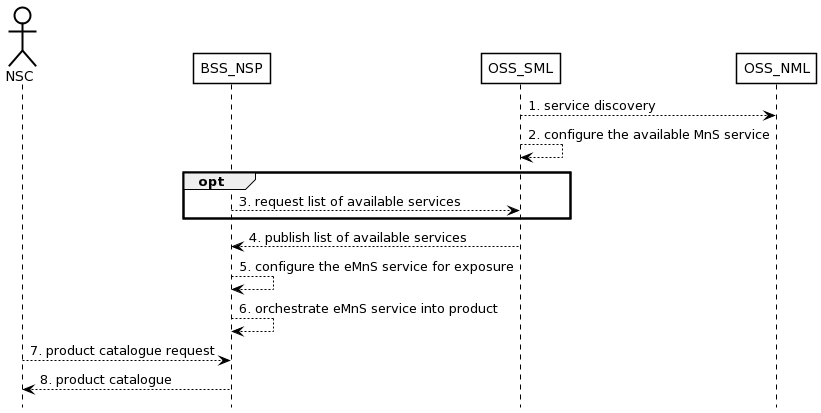


Figure 4.1.4.x.1 Procedure related to product onboarding

1. OSS\_SML obtains 3GPP management services in the network through service discovery;
2. OSS\_SML governs the rules and policies of MnS service and configures the available MnS service to BSS\_NSP. For example, if the RAN NE are dedicated to external customers, the performance monitoring of RAN NE should be exposed. Otherwise, it should not be exposed;
3. Optional, tmay requestthe listof available services
4. OSS\_SML publishes the list of available services to BSS\_NSP;
5. BSS\_NSP configures the eMnS service to be exposed to NSC;
6. BSS\_NSP orchestrates and transforms eMnS services into customer-oriented products based on scenarios;
7. NSC should request the product catalog from BSS\_NSP.
8. BSS\_NSP provides product catalog to NSC.

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| **2nd change** |

Annex A (informative):  
Appendix with UML code of the sequence diagrams

A.X UML code

@startuml

skinparam sequence {

ArrowColor Black

ActorBorderColor Black

ActorBackgroundColor White

ParticipantBorderColor Black

ParticipantBackgroundColor White

LifeLineBorderColor Black

BackGroundColor <<BSS\_Prov>> Black

}

skinparam NoteBackgroundColor White

skinparam NoteBorderColor Black

skinparam shadowing false

hide footbox

actor NSC

participant BSS\_NSP

participant OSS\_SML

participant OSS\_NML

OSS\_SML--> OSS\_NML: 1. service discovery

OSS\_SML---> OSS\_SML: 2. configure the available MnS service

opt

BSS\_NSP -->OSS\_SML: 3. request list of available services

end

OSS\_SML---> BSS\_NSP: 4. publish list of available services

BSS\_NSP --> BSS\_NSP: 5. configure the eMnS service for exposure

BSS\_NSP --> BSS\_NSP: 6. orchestrate eMnS service into product

NSC --> BSS\_NSP: 7. product catalogue request

BSS\_NSP --> NSC: 8. product catalogue

@enduml