

Requests for SSF

CCSDS 2023 Fall Meeting @ Den Haag

9 Nov. 2023

JAXA

1. Introduction

JAXA has implemented SMURF and SSF into our scheduling system.

SSF is utilized as a response to SMURF

*SPDF remains unimplemented.

JAXA would like to explain the improvement requests for SSF based on our implementation experience.

2. Requests for SSF

a) Relationship between SMURF/SPDF and SSF

Request:

- JAXA would like to have a description of the relationship between SMURF/SPDF and SSF in the standards.
 - e.g., ID trace
 - originationRequestID traceable to SMURF's RequestID or ServiceReqID?
 - e.g., Information relationship
 - "ServiceInfo" and SMURF's "ConfigurationProfile" ," EventSequence".

Reason:

- There were some unclear points in the relationship between SMURF/SPDF and SSF.
(SSF was standardized first in SM standards.)

2. Requests for SSF

b) "ServiePkgType1" in SSF

Request:

- JAXA would like to set the "ServiePkgType1"(especially "ConfigProfileRef") in SSF.

Reason:

- JAXA consider "ConfigProfileRef" to be essential information for operation.
- However, in SSF, "ConfigProfileRef" cannot be directly known.
- Using "AbstractParameter" allows for configuration, but it results in the loss of interface commonality.
- If it is "ServicePkgType1"(not "ServicePkgType2"), it is considered acceptable to include it in SSF because the information is also simple.

"For example, this part is replaced with 'ServicePkgType1.'"

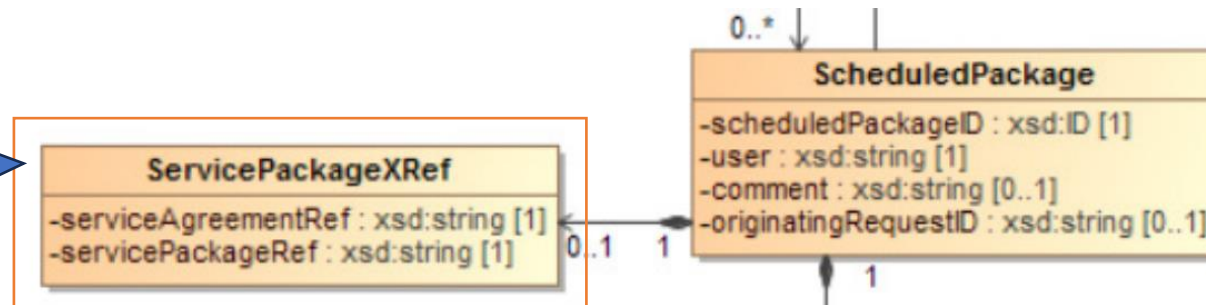


Figure2-B-1 setting of ServiePkgType1(proposal)

2. Requests for SSF

c) Addition of "CANCELED" Status to "activityStatus"

Request:

- JAXA would like to add a "CANCELED" status to "activityStatus" of SSF.
- It would be good to make it user-selectable for "CANCELED" information.

Reason:

- When using SSF only, we can indirectly know the cancellation of "scheduledActivity".
- We considered it effective for users who are using SSF only (not using SPDF)

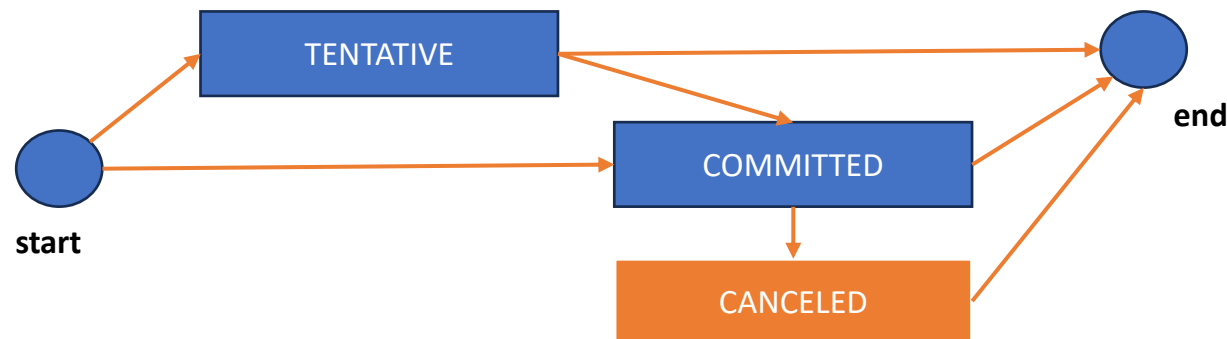


Figure2-C-1 "activityStatus" transition (proposal)