MP192 'Extend Scheduled Services for SMETS1 Devices'

Annex A

Legal text – version 0.2

About this document

This document contains the redlined changes to the SEC that would be required to deliver this Modification Proposal.

Appendix AD 'DCC User Interface Specification'

These changes have been redlined against Appendix AD version 5.0.

Add Sections 1.4.7.16 and 1.4.7.17 as follows:

1.4.7.15 Read Inventory SRV 8.2

This clause is a supplement to clause 3.8.99.4.

For a SMETS1 Device, the list of valid values for "CSPRegion" shall include 'SMETS1'.

For a SMETS1 Device, the Response shall additionally include the following Data Items:

Data Item	Description / Values	Type	Mandatory	Default	Units
Per Device (complex type sr:Device) found at that Smart Metering System:					
S1SP	Identifier of the relevant SMETS1 Service Provider for the Smart Metering System	xs:string	No	None	N/A

Table 3 : SRV 8.2 Additional SMETS1 Response Data Items

1.4.7.16 Read Instantaneous Prepay Values SRV 4.3

This clause is a supplement to clause 3.8.22.

For a SMETS1 Device, SRV 4.3 shall be capable of being DCC Scheduled.

1.4.7.17 Retrieve Billing Calendar Triggered Billing Data Log SRV 4.4.3

This clause is a supplement to clause 3.8.24.

For a SMETS1 Device, SRV 4.4.3 shall be capable of being DCC Scheduled.

1.4.8 Sensitive Data

E54 shall apply to SMETS1 Service Requests in exactly the same way as for SMETS2+ Devices even though SMETS1 Responses never contain encrypted data.

Add Section 1.4.15 as follows:

1.4.14 Sequenced Services

The condition in clause 2.6.4 which states that Service Requests for which the "Transform" Command Variant has been specified may not be sequenced shall not apply to SMETS1 Critical Service Requests.

1.4.15 DCC Scheduled Services

Service Reference Variants 4.3 and 4.4.3 shall be capable of being DCC Scheduled for SMETS1 Devices, even though clause 3.1 Service Request Matrix indicates these Service Reference Variants are not supported for Mode of Operation 'DCC Scheduled'.

2 THE INTERFACE

Definitions in this clause 2 apply to SMETS1 Devices as well as SMETS2+ Devices except where specified or where varied by statements in clause1.4.

Amend Table 157 and Section 3.8.43.3 as follows:

3.8.43.2 Specific Data Items for this Request

CreateSchedule Definition

Data Item	Description / Valid Set	Type	Mandatory	Default	Units

ScheduleFrequency	The frequency of which the required service reference is executed Valid set • Daily • Weekly (The specified Service Request will be scheduled once a week, on the Schedule Start Date day of the week.) • Monthly (The specified Service Request will be scheduled once a month, on the Schedule Start Date day of the month, where possible. For those months where the Schedule Start Date day of the month doesn't exist, the Service Request will be scheduled on the last day of that month.) • Quarterly (The specified Service Request will be scheduled once every three months, with Scheduled Start Date as for Monthly.) • Half-Yearly (The specified Service Request will be scheduled once every six months, with Scheduled Start Date as for Monthly.) • Yearly (The specified Service Request will be scheduled once every 12 months, with Scheduled Start Date as for Monthly.)	sr:ScheduleFrequency (Restriction of xs:string (Enumeration))	Yes	None	N/A
ScheduleStartDate	The UTC date that the scheduled repeating request is required to commence from • Valid date in the future	xs:date	Yes	None	UTC Date
ScheduleEndDate	The UTC date that the scheduled repeating request is required to cease, or if not present then the repeating schedule shall remain in force until deleted by the User or by the DCC Systems, e.g. because of Device Decommission • Valid date in the future >= ScheduleStartDate	xs:date	User Role IS, GS, ES, ED, GT: No User Role OU: Yes	None	UTC Date

ScheduleExecution StartTime	The UTC start time after which a scheduled Command (invoked by the schedule) may be run • Valid Time	xs:time	No	00:01:00	UTC Time
KAPublicSecurityC redential	The Key Agreement Public Security Credentials, associated with the User submitting the Request that will be relied upon for Sensitive data Responses. Only applicable to those Scheduled Service Requests that can be submitted by User Roles for which the Device doesn't hold Security Credentials.	sr:Certificate (xs:base64Bina ry)	User Role IS, ES, ED: N/A User Role GT (where Response includes sensitive data and Device Type = Gas Smart Meter): Yes User Role OU (where Response includes sensitive data): Yes	None	N/A
DSPScheduledServ iceReference	Reference of the Service Request to be Scheduled. Valid Set: see clause 3.1 , where DCC Scheduled column in table is set to "Yes"	sr:DSPSchedul edServiceRefer ence (Restriction of xs:string (Enumeration))	Yes	None	N/A
DSPScheduledServ iceReferenceVarian t	Reference Variant of the Service Request to be Scheduled. Valid Set: see clause 3.1 , where DCC Scheduled column in table is set to "Yes"	sr:DSPSchedul edServiceRefer enceVariant (Restriction of xs:string (Enumeration))	Yes	None	N/A
DeviceID	This is the Device ID to which the DCC Schedule is targeted.	sr:EUI (See clause 3.10.1.3)	Yes	None	N/A

This document has a Classification of **White**

Choice of Service Request XML Element to be Scheduled	Name and Request Data Items corresponding to DSPScheduledServiceReferenceVariant to be Scheduled, choice of:		Yes	None	N/A
	DSPRetrieveBillingCalendarTriggeredBillingDataLog DSPRetrieveImportDailyReadLog DSPRetrieveExportDailyReadLog DSPReadActiveImportProfileData DSPReadReactiveImportProfileData DSPReadExportProfileData DSPReadNetworkData DSPReadPrepaymentDailyReadLog DSPRetrieveDailyConsumptionLog	sr:ReadLogPeriodOffset			
	DSPReadInstantaneousPrepayValues DSPReadMaximumDemandImportRegisters DSPReadMaximumDemandExportRegisters DSPReadLoadLimitData DSPReadActivePowerImport	sr:DSPReadData			
	DSPRecordNetworkDataGAS	sr:RecordNetworkDataGAS			

Table 157 : CreateSchedule (sr:DSPSchedule) data items

Each User shall set up separate Schedule IDs for each separate Request that they require to be scheduled by the DCC.

3.8.43.3   Specific Validation for this Request

See clause 3.2.5 for general validation applied to all Requests (applicable to the Create Schedule and to the Scheduled Service Request) and clause 3.10.2 for Create Schedule Device ID existence validation.

Response Code	Response Code Description
E050101	The Schedule Start Date is not a future date
E050102	The Schedule End Date is mandatory for User Role "OU"
E050103	The Schedule End Date is earlier than the Schedule Start Date
E050105	The Service Request format does not match the Service Reference Variant in the DCC Schedule. The combination of DSPScheduledServiceReference and DSPScheduledServiceReferenceVariant is not valid
E050107	One of: • User's Role is Unknown Remote Party to the Device and the DCC Scheduled Service Response contains Sensitive data and Request does not include the User's Key Agreement Public Security Credentials Or

	• User's Role is Known Remote Party to the Device and / or the DCC Scheduled Service Response doesn't contain Sensitive data and Request includes the User's Key Agreement Public Security Credentials
E050108	Unable to create Schedule, because the User already owns 99 active DSP Schedules for the Device
E050109	The DSP Service Request format doesn't match the DSP Service Reference Variant in the Create Schedule message
E050111	The DSP Service Reference Variant in the Create Schedule message is not supported for scheduling for SMETS2+ Devices.

3.8.43.4 Specific Data Items in the Response

The DCC shall return the following data items which are specific to this Service Request where a DCC Schedule is successfully created within the DCC Systems:

DSPScheduleID Definition

Data Item	Description / Valid Set	Type	Mandatory	Default	Units
DSPScheduleID	Schedule ID generated by the DCC Systems Valid Set: > 0	sr:scheduleID	Yes	None	N/A

Table 158 : DSPScheduleID definition