Message Flow Details

MM00156 - Half Hourly Advanced Meter Technical Details

Market Message Information

Market Message Reference	MM00156
MM Description	Half Hourly Advanced Meter Technical Details are transferred when there is a change in equipment, configuration or upon change of Agent.
Local Catalogue Reference	D0268
Version	002
Notes	See Annex C for Flow Notes. — Where an AMVLP (Asset Metering Virtual Lead Party) is involved, the MPAN Core must contain an AMSID (Asset Metering System Identifier) and not an MPAN.

Scenario Variants

Scenario Variant	Name	Source	Target	Owner	Api Route	Api Method
SV00156	Hourly Advanced Meter Technical	Meter Fauinment	Network	Retail Energy Code Company		

SV00158	Hourly Advanced Meter Technical	Electricity Meter Equipment Manager	Half Hourly Data Collector	Retail Energy Code Company	
SV00159	Advanced Meter Technical	Electricity Meter Equipment Manager	Electricity Meter Equipment Manager	Retail Energy Code Company	
SV00160	Advanced Meter Technical	Electricity Meter Equipment Manager	Electricity Supplier	Retail Energy Code Company	
SV00474	Advanced Meter Technical	Electricity Meter Equipment Manager	Asset Metering Virtual Lead Party	Retail Energy Code Company	
<u>SVxxxxx</u>	Advanced Meter Technical Details	Electricity Meter Equipment Manager	Electricity Advanced Meter Equipment Manager	Retail Energy Code Company	
<u>SVxxxxx</u>	Advanced Meter Technical Details	Electricity Advanced Meter Equipment Manager	Electricity Meter Equipment Manager	Retail Energy Code Company	
<u>SVxxxxx</u>	Advanced Meter Technical Details	Electricity Advanced Meter Equipment Manager	Advanced Data Service	Retail Energy Code Company	

<u>SVxxxxx</u>	Advanced Meter Technical Details	Electricity Advanced Meter Equipment Manager	<u>Distribution</u> <u>Network</u> <u>Operator</u>	Retail Energy Code Company	
<u>SVxxxxx</u>	Advanced Meter Technical Details	Electricity Advanced Meter Equipment Manager	Electricity Supplier	Retail Energy Code Company	
<u>SVxxxxx</u>	Advanced Meter Technical Details	Electricity Advanced Meter Equipment Manager	Asset Metering Virtual Lead Party	Retail Energy Code Company	
<u>SVxxxxx</u>	Advanced Meter Technical Details	Electricity Advanced Meter Equipment Manager	Electricity Advanced Meter Equipment Manager	Retail Energy Code Company	

Data Items

Data Item Number	Local Catalogue Reference	Name
<u>DI50003</u>	J0003	MPAN Core
<u>DI50004</u>	J0004	Meter Id (Serial Number)
<u>DI50007</u>	J0010	Meter Register Id
DI50008	J0012	Additional Information
<u>DI50056</u>	J0103	Measurement Quantity Id
<u>DI50176</u>	J0382	Channel Number

DI50177	J0385	Communications Address
DI50178	J0386	Communications Method
DI50191	J0410	Manufacturers Make & Type
DI50193	J0418	Meter COP
DI50197	J0427	Number of Phases
DI50198	J0428	Outstation Id
DI50200	J0432	Pulse Multiplier
DI50209	J0454	CT Ratio
DI50210	J0455	VT Ratio
DI50216	J0464	Outstation PIN
DI50220	J0469	Outstation Number of Channels
<u>DI50221</u>	J0470	Outstation Password Level 1
DI50222	J0471	Outstation Type
DI50225	J0475	Meter Register Multiplier
DI50226	J0476	Associated Meter Id
DI50227	J0477	Associated Meter Register Id
DI50228	J0478	Number of Register Digits
<u>DI50240</u>	J0501	Meter Current Rating
DI50406	J0848	Date of Meter Installation
DI50478	J1025	Meter Equipment/Service Location
<u>DI50624</u>	J1254	Effective from Settlement Date {MSMTD}
DI50625	J1255	System Voltage
DI50626	J1256	Outstation Number of Dials
DI50627	J1257	Outstation Password Level 2
DI50628	J1258	Reader Password
DI50629	J1260	Baud Rate
DI50630	J1261	Sequence MPAN Core

DI50631	J1262	Sequence Outstation Id
DI50635	J1269	Date of Meter Removal
DI51003	J1677	Meter Asset Provider Id
<u>DI51010</u>	J1684	Feeder Status
<u>DI51011</u>	J1685	Feeder Status Effective From Date
DI51012	J1686	Meter COP Issue Number
<u>DI51013</u>	J1687	Complex Site Indicator
<u>DI51014</u>	J1688	Outstation Multiplier
<u>DI51015</u>	J1689	Event Indicator
<u>DI51016</u>	J1690	Dial In/ Dial Out Indicator
DI51017	J1691	Modem Type
<u>DI51035</u>	J1709	Communications Provider
DI51039	J1713	Outstation Password Level 3
DI51040	J1714	Outstation Username Level 1
DI51041	J1715	Outstation Username Level 2
DI51042	J1716	Outstation Username Level 3
DI51553	J2263	Communications Address B
<u>DI51554</u>	J2264	Communications Method B
DI51555	J2265	SIM Serial Number
DI51556	J2266	Phase/Wire

Flow Structure

SV00156 - Half Hourly Meter Technical Details - Message Structure

Group ID	Group Description	Range	Condition	L1	L2	L3	L4	L5	L6	L7	L8	3 I	Data Item Name	Data Item Rule
01A	MPAN Cores	1-*		G										

	1				MPAN Core
	1		+		
	1				Effective from Settlement
		-			Date {MSMTD}
	1				Meter COP
Meter COP Issue Number is Mandatory if the Meter CoP is associated to an issue number, or the data item must be Not Present if the Meter CoP is not associated to an issue number.	C				Meter COP Issue Number
	1				Complex Site Indicator
Meter Equipment/Service Location is Mandatory where further instructions are required to identify the meter position, the data item is Optional if further instructions additional to the Metering Point Location are not required.	C				Meter Equipment/Service Location
	1				System Voltage
	1				Number of Phases
	1				Event Indicator

			Additional Information is Mandatory if Event Indicator value is Z, or the data item is Optional for any other value.	С				Additional Information	
$(Y)\Delta$	Outstation Details	1-*	Outstation Details message collection is Mandatory if a meter is installed at the Metering Point; or message collection must be Not Present if no meter is installed at the Metering Point.	G					
					1			Outstation Id	Outstation Id value must not contain a dash or underscore character as a suffix or prefix to the identifier, although those characters may be present within the identifier.
					1			Outstation Type	
					О			Modem Type	Modem Type value must be the network service provider identifier if

					Communication Method value is GS
		1		Outstation Number of Channels	Outstation Number of Channels value must equal the number of channels visible to the HHDC.
		1		Outstation Number of Dials	
		O		Outstation PIN	
		О		Outstation Username Level 1	
		О		Outstation Password Level 1	
		О		Outstation Username Level 2	
		О		Outstation Password Level 2	Outstation Password Level 2 value must contain 12 asterisk characters.
		О		Outstation Username Level 3	Where the Metering System has more than 3 levels of password, the Master/Administrator username shall be provided in the Outstation Username Level 3.
		О		Outstation Password Level 3	Where the Metering System has more than 3 levels of

			O			password, the Master/Administrator password shall be provided in the Outstation Password Level 3.
			U			
			1		Communications Method	Where the Metering System has more than 3 levels of password, the Master/Administrator password shall be provided in the Outstation Password Level 3.
			О		Communications Method B	Where the Metering System has more than 3 levels of password, the Master/Administrator password shall be provided in the Outstation Password Level 3.
			О		Dial In/ Dial Out Indicator	
			О		Communications Address	
			О		Communications Address B	
			O		Baud Rate	
			О		Communications Provider	

					О		SIM Serial Number	
					0		Sequence MPAN Core	
					0		•	
			M . D . 11		U		Sequence Outstation Id	
03A	Meter Details	1-*	Meter Details message collection is Mandatory if a meter is installed at the Metering Point; or message collection must be Not Present if no meter is installed at the Metering Point.	G				
					1		Meter Id (Serial Number)	
					О		Manufacturers Make & Type	
			Meter Current Rating is Mandatory for whole current operated meters or Not Present for current transformer operated meters.		О		Meter Current Rating	
					О		VT Ratio	
			CT Ratio is Mandatory for current transformer operated meters or Not Present for whole current operated meters.		С		CT Ratio	
					О		Phase/Wire	

					1				Feeder Status	
					1				Feeder Status Effective	
					1				From Date	
					1				Meter Asset Provider Id	
			A Meter Register		1				Weter Asset Flovider Id	
04A	Meter Register Details	1-*	Details message collection is Mandatory for each active channel visible to the HHDC.		G					
						1			Meter Register Id	Meter Register Id value must be 2 characters in length and a leading zero used if required.
						1			Outstation Id	
						1			Channel Number	Channel Number value must include leading zeros if required.
						1			Pulse Multiplier	
						1			Meter Register Multiplier	
						1			Outstation Multiplier	Outstation Multiplier value must be 1 if the Outstation Type is VIS, or equal to the Meter Register Multiplier value for any other integral outstation or an unspecified value

									required for separate outstations.
					1			Measurement Quantity Id	Measurement Quantity Id value must be UN if the active channel is not used. (enumerations AI / AE etc are not currently in the DTC).
					1			Number of Register Digits	Number of Register Digits value must equal Outstation Number of Dials if an integral outstations, for separate outstations any required value is permissible.
					O			Associated Meter Id	
					О			Associated Meter Register Id	
81C	Meters Removed	0-*	Meters Removed message collection is Mandatory if the message is generated following a meter removal or exchange event at the Metering Point; or message collection must be Not	G					

	Present if generated for any other event.				
		1			Meter Id (Serial Number)
		1			Date of Meter Removal
		1	-		Meter Asset Provider Id