# **Message Flow Details**

## MM00051 - <u>Traditional</u> Meter Technical Details

#### **Market Message Information**

Market Message Reference	MM00051
MM Description	Meter Technical Details for Traditional Metering
lviivi Description	Assets.
Local Catalogue Reference	D0150
Version	002
	Used for all Non Half Hourly meters for Non-
Notes	MHHS Metering Points or Traditional Metering
	Assets for MHHS Metering Points

#### Scenario Variants

Scenario Variant	Name	Source	Target	Owner	Api Route	Api Method
SV00051	Meter Technical	Natwork	Electricity Meter Equipment Manager	Retail Energy Code Company		
SV00052	Meter Technical	Electricity Meter Equipment Manager	Distribution Network Operator	Retail Energy Code Company		

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SV00053	Traditional Meter Technical Details	Electricity Meter Equipment Manager	Electricity Meter Equipment Manager	Retail Energy Code Company	
SV00054		Electricity Meter Equipment Manager	Non Half Hourly Data Collector	Retail Energy Code Company	
SV00055	Matar Tachnical	Electricity Meter Equipment Manager	Electricity Supplier	Retail Energy Code Company	
SVxxxx	Traditional Meter Technical Details	Electricity Meter Equipment Manager	Electricity Smart Meter Equipment Manager	Retail Energy Code Company	
<u>SVxxxxx</u>	Traditional Meter Technical Details	Electricity Smart Meter Equipment Manager	Electricity Smart Meter Equipment Manager	Retail Energy Code Company	
<u>SVxxxxx</u>	Traditional Meter Technical Details	Electricity Smart Meter Equipment Manager	Smart Data Service	Retail Energy Code Company	
<u>SVxxxxx</u>	Traditional Meter Technical Details	Electricity Smart Meter Equipment Manager	Distribution Network Operator	Retail Energy Code Company	
SVxxxxx	Traditional Meter Technical Details	Electricity Smart Meter	Electricity Supplier	Retail Energy Code Company	

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<u>Equipment</u>		
<u>Manager</u>		

### **Data Items**

Data Item Number	Local Catalogue Reference	Name				
DI50003	J0003	MPAN Core				
DI50004	J0004	Meter Id (Serial Number)				
DI50006	J0008	Nature of Maintenance				
DI50007	J0010	Meter Register Id				
DI50037	J0076	Standard Settlement Configuration Id				
DI50041	J0080	Energisation Status				
DI50043	J0082	Measurement Class Id				
DI50053	J0098	Retrieval Method				
DI50056	J0103	Measurement Quantity Id				
DI50071	J0134	Tele-Switch/Clock Indicator				
DI50160	J0300	Effective from Settlement Date {SCON}				
DI50176	J0382	Channel Number				
DI50177	J0385	Communications Address				
DI50178	J0386	Communications Method				
DI50189	J0408	Main/Check Indicator				
DI50191	J0410	Manufacturers Make & Type				
DI50193	J0418	Meter COP				
DI50194	J0419	Meter Location				
DI50200	J0432	Pulse Multiplier				
DI50209	J0454	CT Ratio				
DI50210	J0455	VT Ratio				

J0461	Meter COP Dispensation
J0462	Certification Date
J0463	Certification Expiry Date
J0464	Outstation PIN
J0465	Outstation COP
J0467	Outstation COP Dispensation
J0468	Outstation Encryption Key
J0469	Outstation Number of Channels
J0470	Outstation Password Level 1
J0471	Outstation Type
J0474	Meter Register Type
J0475	Meter Register Multiplier
J0476	Associated Meter Id
J0477	Associated Meter Register Id
J0478	Number of Register Digits
J0480	Maintenance Date
J0483	Meter Type
J0501	Meter Current Rating
J0716	Timing Device Id (Serial Number)
J0722	Retrieval Method Effective Date
J0848	Date of Meter Installation
J1254	Effective from Settlement Date {MSMTD}
J1267	Metering System Non Settlement Functionality Code
J1268	Effective From Settlement Date {MSNSFC}
J1269	Date of Meter Removal
	J0462 J0463 J0464 J0465 J0467 J0468 J0469 J0470 J0471 J0474 J0475 J0476 J0477 J0478 J0480 J0483 J0501 J0716 J0722 J0848 J1254 J1267 J1268

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DI51003	J1677	Meter Asset Provider Id

#### **Flow Structure**

#### SV00051 - Non Half-hourly Meter Technical Details - Message Structure

Group ID	Group Description	Range	Condition	L1	L2	L3	L4	L5	L6	L7	7 L 8	B Data Item Name	Data Item Rule
288	MPAN Cores	1-*		G									
					1							MPAN Core	
					1							Effective from Settlement Date {MSMTD}	The Effective from Settlement Date {MSMTD} value must equal the date on which the most recent change to any data item within the Non Half-hourly Meter Technical Details message became effective.
					О							Measurement Class Id	For MHHS Metering Points, the value should be null.
					1							Energisation Status	
289	SSCs	1-1			G								
						1						Standard Settlement Configuration Id	If Non Half-hourly Meter Technical Details message generated following

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								the <u>receipt</u> of Smart
								Meter Configuration
								Details message,
								Standard Settlement
								Configuration Id
								value must equal the
								Standard Settlement
								Configuration Id
								value within the
								Smart Meter
								Configuration Details
								message.
								If Non Half-hourly
								Meter Technical
			Details message					
			generated following					
								the <u>receipt</u> of Smart
								Meter Configuration
								Details message,
			1				Effective from Settlement	Effective from
							Date {SCON}	Settlement Date
								{SCON} value must
								equal the Effective
								from Settlement Date
								(SCON) value within
								the Smart Meter
								Configuration Details
								message.
							Metering System Non	If Non Half-hourly
			О				Settlement Functionality	Meter Technical
							Code	Details message
								generated following

					1 1	 T	1		
							the <u>receipt</u> of Smart	 	Deleted: reciept
							Meter Configuration		
							Details message,		
							Metering System Non		
							Settlement		
							Functionality Code		
							value must equal the		
							Metering System Non		
							Settlement		
							Functionality Code		
							value within the		
							Smart Meter		
							Configuration Details		
							message.		
							If Non Half-hourly		
							Meter Technical		
							Details message		
							generated following		
							the <u>receipt</u> of Smart		Deleted: reciept
							Meter Configuration	 	1
							Details message,		
							Effective From		
			О			Effective From Settlement	Settlement Date		
						Date {MSNSFC}	{MSNSFC} value		
							must equal the		
							Effective From		
							Settlement Date		
							{MSNSFC} value		
							within the Smart		
							Meter Configuration		
							Details message.		
<u> </u>				<u> </u>		I	Details illessage.		

762	Metering Point Maintenance History	0-1		G					
					1			Maintenance Date	
290	Meter/Retrieval Method Details	0-*	Meter/Retrieval Method Details message collection is Mandatory if a meter is installed at the Metering Point; or, Meter/Retrieval Method Details message collection is Not Present if a meter is not installed at the Metering Point.	G				Nature of Maintenance	
					1			Meter Id (Serial Number)	If Non Half-hourly Meter Technical Details message generated following the receipt of Smart Meter Configuration Details message, Meter Id (Serial Number) value must equal the Meter Id (Serial Number) value within the Smart Meter Configuration Details message; or,

		1			Meter Current Rating	
		C	)		Meter COP Dispensation	
		C	_		Meter COP	
						Electricity MEM.
						from the source
						message received
						hourly Meter Technical Details
						within the Non Half-
						(Serial Number) value
						equal the Meter Id
						Number) value must
						then, Meter Id (Serial
						value is equal to NK,
						message, unless the
						Configuration Details
						the Smart Meter
						Number) value within
						Meter Id (Serial
						value must equal the
						Id (Serial Number)
						Switch event, Meter
						Electricity Supplier in conjunction with a
						message from an
						Configuration Details
						of Smart Meter
						following the receipt
						message generated
						Mapping Details
						If Notification of

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			1			Meter Location	
			1			Manufacturers Make &	
			1			<u>Type</u>	
			1			Meter Asset Provider Id	
			О			Communications Address	
			О			Communications Method	
			О			Outstation PIN	
			О			Outstation COP	
			0			Outstation COP	
			U			<u>Dispensation</u>	
			О			Outstation Encryption Key	
			О			Outstation Number of	
			O			<u>Channels</u>	
			О			Outstation Password Level	
			O			<u>1</u>	
			О			Outstation Type	
							The VT Ratio value
							must be equal to all
							instances of VT Ratio
			O				within the Non Half-
							hourly Meter
							Technical Details
							message.
			1			Meter Type	
			О			Date of Meter Installation	
_			О			Certification Date	
			О			Certification Expiry Date	
						Timing Device Id (Serial	
			О			Number)	

					О				Tele-Switch/Clock Indicator	
					1				Retrieval Method	
					1				Retrieval Method Effective Date	2
291	CT Ratio	0-1	CT Ratio message collection is Mandatory if a Current Transformer exists at the Metering Point; or,CT Ratio message collection is Not Present if a Current Transformer does not exist at the Metering Point.		G					
						1			CT Ratio	The CT Ratio value must be equal to all instances of CT Ratio within the Non Half-hourly Meter Technical Details message.
293	Meter Register Details	1-*			G					
						1			Meter Register Id	If Non Half-hourly Meter Technical Details message generated following the receipt of Smart Meter Configuration

	1		T	1 1		 1	 		
									Details message,
									Meter Register Id
									value must equal the
									Meter Register Id
									value within the
									Smart Meter
									Configuration Details
									message.
									If Non Half-hourly
									Meter Technical
									Details message
									generated following
									the <u>receipt</u> of Smart
								Meter Configuration	
					1			Meter Register Type	Details message,
					1			Wieter Register Type	Meter Register Type
									value must equal the
									Meter Register Type
									value within the
									Smart Meter
									Configuration Details
									message.
									If Non Half-hourly
									Meter Technical
									Details message
									generated following
					1			Measurement Quantity Id	the <u>receipt</u> of Smart
					1			Micasaromoni Quantity Iu	Meter Configuration
									Details message,
									Meter Register Id
								value must equal the	
									Meter Register Id

				value within the Smart Meter Configuration Details message. If Non Half-hourly Meter Technical
		1	Meter Register Multiplier	Details message generated following the receipt of Smart Meter Configuration Details message, Meter Register Id value must equal the Meter Register Id value within the Smart Meter Configuration Details message.
		О	Main/Check Indicator	
		1	Number of Register Digits	If Non Half-hourly Meter Technical Details message generated following the receipt of Smart Meter Configuration Details message, Meter Register Id value must equal the Meter Register Id value within the Smart Meter

										Configuration Details message.
						О			Associated Meter Id	
						О			Associated Meter Register Id	
295	Meter Channels	0-*	Meter Channels message collection is Mandatory if a Half Hourly meter is installed at the Metering Point.		G					
						О			Channel Number	
						О			Measurement Quantity Id	
						О			Pulse Multiplier	
296	Metering System Maintenance History	0-*			G					
						1			Maintenance Date	
						1			Nature of Maintenance	
08A	Meters Removed	0-*	Meters Removed Message Collection cardinality >0 only permissible following a Meter removal event.	G						
					1				Meter Id (Serial Number)	
					1				Date of Meter Removal	
					1				Meter Asset Provider Id	