

Stage 1 of the Smart Energy Code – Draft Schedule of Core Communication Services

Commentary:

1. The capitalised terms used in the description of each activity have the same meaning as the same terms used in the second version of the smart metering equipment specification documentation or the legal text of Stage 1 of the Sec, as appropriate.
2. The description of each activity may be subject to further revisions in light of developing policy. Should this be the case, further revisions will be consulted upon in future iterations of the SEC.
3. An explanation of each of the entitlements is set out in each of the respective footnotes. Further work will be undertaken to determine how to measure a DCC User's meter population for the purposes of these entitlements (i.e. over what period the meter population is measured).
4. Each activity will result in a command being delivered to the Communications Hub and a response being transmitted by the Communications Hub. An Explicit Charge (as set out in Section K of the SEC) will be applied to each response.

Import Supplier for a Smart Metering System

NB: Unless otherwise stated, all services apply to a meter with a specified device identification.

The following services are restricted to Users who are Import Suppliers.

User Gateway Catalogue Ref.	Service	Description	Service Response Time		Automatic or Requested (A or R)	Preferred performance Standard (%)		Entitlement	
			Scheduled (hrs.)	On demand (sec)		Scheduled (hrs.)	On demand (sec)	Frequency	Penetration of meters
1.1	Update Import Tariff	To send a command to the Communications Hub to apply a tariff to a meter.	24		R				U
		To send a command to the Communications Hub to apply a tariff to a meter.		30	R				U
1.2	Update Price	To send a command to the Communications Hub to apply a price to a meter.	24		R				U
1.5	Update Balance	To send a command to the Communications Hub to set the amount of money in currency units calculated by the meter.	24		R				U
		To send a command to the Communications Hub to set the amount of money in currency units calculated by the meter.		30	R				U
1.6	Update Payment Mode	To send a command to the Communications Hub to set the payment mode of the meter.	24		R				U
		To send a command to the Communications Hub to set the payment mode of the meter.		30	R				U
1.7	Reset Tariff Block Counter Matrix	To send a command to the Communications Hub to set the Tariff Block Counter Matrix on a meter.	24		R				U
		To send a command to the Communications Hub to set the Tariff Block Counter Matrix on a meter.		30	R				U
2.1	Update Prepay Configuration	To send a command to the Communications Hub to configure prepayment specific data items on a meter.	24		R				U
		To send a command to the Communications Hub to configure prepayment specific data items on a meter.		30	R				U
2.2	Top Up Device	To send a command to the Communications Hub to add a credit to the balance of a meter operating in prepayment mode.		30	R				U
2.3	Update Debt Values	To send a command to the Communications Hub to set the debt values on a meter.	24		R				U
		To send a command to the Communications Hub to set the debt values on a meter.		30	R				U

2.5	Activate Emergency Credit	To send a command to the Communications Hub to activate the Emergency credit on a meter.	24		R				U
		To send a command to the Communications Hub to activate the Emergency credit on a meter.		30	R				U
3.1	Display Message	To send a command to the Communications Hub to display a message on a meter	24		R				
		To send a command to the Communications Hub to display a message on a meter		30	R			24	100 ¹
3.2	Restrict Access For Change Of Tenancy	To send a command to the Communications Hub to restrict the access to consumption data stored on the meter.	24		R				U
		To send a command to the Communications Hub to restrict the access to consumption data stored on the meter.		30	R				U
3.3	Clear Event Log	To send a command to the Communications Hub to clear all entries from the Event Log of a meter.		30	R				U
3.4	Update Supplier Name	To send a command to the Communications Hub to apply the supplier name and contact details to a meter.	24		R				U
4.1	Read Instantaneous Import Registers	To send a command to the Communications Hub to retrieve the current import register readings (at the time of execution of the command).		30	R				U
4.3	Read Instantaneous Prepay Values	To send a command to the Communications Hub to retrieve the current import prepayment registers readings (at the time of execution of the command).		30	R				U
4.4	Retrieve Billing Data Log	To send a command to the Communications Hub to retrieve a data set stored in the Billing Data Log on a meter for a specified date.	24		R				U
		To send a command to the Communications Hub to retrieve a data set stored in the Billing Data Log on a meter for a specified date.		30	R				U
4.6	Retrieve Daily Read Log	To send a command to the Communications Hub to retrieve a Daily Read Log entry of a meter for a specified date.	24		R				U
		To send a command to the Communications Hub to retrieve a Daily Read Log entry of a meter for a specified date.		30	R				U
4.8	Read Profile Data	To send a command to the Communications Hub to retrieve the interval data (half hourly consumption data) from a meter.	24		R				
		To send a command to the Communications Hub to retrieve the interval data (half hourly consumption data) from a meter.		30	R			365	100 ²
4.10	Read Network Data	To send a command to the Communications Hub to retrieve the power quality data stored on the meter.	24		R				U
		To send a command to the Communications Hub to retrieve the power quality data stored on the meter.		30	R				U
4.11	Read Tariff	To send a command to the Communications Hub to retrieve the current tariff settings on the meter.		30	R				U
4.12	Read Maximum Demand Registers	To send a command to the Communications Hub to retrieve the maximum demand register values recorded on the meter.	24		R				U
4.13	Read Prepayment Configuration	To send a command to the Communications Hub to the retrieve the current prepayment configuration settings on the meter.	24		R				U
		To send a command to the Communications Hub to the retrieve the current prepayment configuration settings on the meter.		30	R				U
4.14	Read Prepayment Daily Read Log	To send a command to the Communications Hub to retrieve the Daily Read Log entry of a meter for a specified date.	24		R				U

¹ This entitlement provides the Import supplier with an allowance of 24 messages that may be sent to each meter device within its portfolio. This allowance can be used for any combination of scheduled or on-demand messages. There are no restrictions on how the allowance is spread over the meter portfolio.

² This entitlement provides the Import supplier with an allowance of a read of the half hourly profile data requested on a daily basis for all meters within its portfolio. This allowance can be used for any combination of scheduled or on-demand messages

		To send a command to the Communications Hub to retrieve the Daily Read Log entry of a meter for a specified date.		30	R			U
4.15	Read Load Limit Counter	To send a command to the Communications Hub to retrieve the Load Limit Counter values on a specified electricity meter.	24		R			U
4.16	Read Active Power Import	To send a command to the Communications Hub to retrieve the Active Power Import value(s) on a specified meter.	24		R			U
		To send a command to the Communications Hub to retrieve of the Active Power Import value(s) on a specified meter.		30	R			U
4.17	Retrieve Daily Consumption Log	To send a command to the Communications Hub to retrieve the values of the data set stored in the Daily Consumption Log of a meter for a specified period.	24		R			U
		To send a command to the Communications Hub to retrieve the values of the data set stored in the Daily Consumption Log of a meter for a specified period.		30	R			U
6.2	Read Device Configuration	To send a command to the Communications Hub to configure the data values that are currently held on a meter.		30	R			U
6.4	Device Configuration (Load Limiting)	To send a command to the Communications Hub to configure the load limiting functionality on a meter.	24		R			U
		To send a command to the Communications Hub to configure the load limiting functionality on a meter.		30	R			U
6.8	Device Configuration (Billing Calendar)	To send a command to the Communications Hub to configure the billing calendar on a meter.	24		R			U
		To send a command to the Communications Hub to configure the billing calendar on a meter.		30	R			U
6.11	Synchronise Clock	To send a command to the Communications Hub to synchronise the clock on the meter.	24		R			U
		To send a command to the Communications Hub to synchronise the clock on the meter.		30	R			U
6.12	Device Configuration (Instantaneous Power Threshold)	To send a command to the Communications Hub to set the values of the ambient power thresholds on the meter.	24		R			U
		To send a command to the Communications Hub to set the values of the ambient power thresholds on the meter.		30	R			U
6.13	Read Event Or Security Log	To send a command to the Communications Hub to retrieve data stored on the Event or Security Log of the meter.		30	R			U
6.14	Device Configuration (Auxiliary Load Control)	To send a command to the Communications Hub to configure the Auxiliary Load Control parameters stored within a specified device.	24		R			U
6.19	Set Device Configuration(Local Time Change Calendar)	To send a command to the Communications Hub to configure a local time change on the calendar of a meter.	24		R			U
		To send a command to the Communications Hub to configure a local time change on the calendar of a meter.		30	R			U
6.20	Set Device Configuration(MPAN)	To send a command to the Communications Hub to apply the MPAN data item for a specified meter.	24		R			U
		To send a command to the Communications Hub to apply the MPAN data item for a specified meter.		30	R			U
6.22	Configure Event Behaviour	To send a command to the Communications Hub to configure the manner in which the meter will handle certain events.	24		R			U
		To send a command to the Communications Hub to configure the manner in which the meter will handle certain events.		30	R			U
7.1	Enable Supply	To send a command to the Communications Hub to enable the supply of electricity via a meter.	24		R			U

		To send a command to the Communications Hub to enable the supply of electricity via a meter.		30	R			U
7.2	Disable Supply	To send a command to the Communications Hub to disable the supply of electricity via a meter.		30	R			U
7.3	Arm Supply	To send a command to the Communications Hub to a specified meter to become "armed".		30	R			U
7.4	Read Supply Status	To send a command to the Communications Hub to retrieve the status of an electricity Load Switch at a meter.		30	R			U
7.5	Activate Auxiliary Load	To send a command to the Communications Hub to activate the specified Auxiliary Load Control Switch (ALCS) controlled by the specified meter.		30	R			U
7.6	Deactivate Auxiliary Load	To send a command to the Communications Hub to deactivate the Auxiliary Load Switch controlled by the specified electricity meter.		30	R			U
7.7	Read Auxiliary Load Control Switch Configuration	To send a command to the Communications Hub to retrieve the configuration information of a specified ALCS controlled by a specified meter.	24		R			U
7.8	Reset Auxiliary Load	To send a command to the Communications Hub to reset the specified ALCS controlled by the specified meter.		30	R			U
7.9	Add Auxiliary Load To Boost Button	To send a command to the Communications Hub to place the specified Auxiliary Load Switch under the control of the Boost Button on the meter.	24		R			U
		To send a command to the Communications Hub to the specified Auxiliary Load Switch to be placed under the control of the Boost Button on the meter.		30	R			U
7.10	Remove Auxiliary Load From Boost Button	To send a command to the Communications Hub to remove the specified Auxiliary Load Switch from the control of the Boost Button on the meter.	24		R			U
		To send a command to the Communications Hub to remove the specified Auxiliary Load Switch from the control of the Boost Button on the meter.		30	R			U
7.11	Read Boost Button Details	To send a command to the Communications Hub to retrieve the details of the Auxiliary Load Control Boost Button.	24		R			U
		To send a command to the Communications Hub to retrieve the details of the Auxiliary Load Control Boost Button.		30	R			U
7.12	Set Randomised Offset Limit	To send a command to the Communications Hub to set the Randomised Offset Limit by updating data items on a meter.	24		R			U
8.7	Join Service	To send a command to the Communications Hub to instruct HAN devices to communicate with each other.	24		R			U
		To send a command to the Communications Hub to instruct HAN devices to communicate with each other.		30	R			U
8.8	Un Join Service	To send a command to the Communications Hub to instruct HAN devices to cease communication with each other.	24		R			U
		To send a command to the Communications Hub to instruct HAN devices to cease communication with each other.		30	R			U
8.9	Read Device Log	To send a command to the Communications Hub to retrieve the details of the meter ID from the Communications Hub Device Log and each specified device on the HAN.	24		R			U
		To send a command to the Communications Hub to retrieve the details of the meter ID from the Communications Hub Device Log and each specified device on the HAN.		30	R			U
8.11	Update HAN Device Log	To send a command to the Communications Hub to update the Communications Hub Device Log (white list).	24		R			U
		To send a command to the Communications Hub to update the Communications Hub Device Log (white list).		30	R			U

8.12	Restore HAN Device Log	To send a command to the Communications Hub to re-establish the HAN device Log.	24		R			U	
		To send a command to the Communications Hub to re-establish the HAN device Log.		30	R			U	
11.1	Update Firmware	To send a command to the Communications Hub for a new version of firmware to be applied to a specified meter.	5 days		R			6	100 ³
11.2	Read Firmware	To send a command to the Communications Hub to retrieve the details of the current operating version of firmware present on a meter.	24		R			U	
		To send a command to the Communications Hub to retrieve the details of the current operating version of firmware present on a meter.		30	R			U	
11.3	Activate Firmware	To send a command to the Communications Hub to activate the firmware that has been previously sent to the meter.	24		R			U	
		To send a command to the Communications Hub to activate the firmware that has been previously sent to the meter.		30	R			U	

³ This entitlement provides the Import supplier with an allowance of six firmware updates that may be sent to each meter device within its portfolio. This allowance can be used for any combination of scheduled or on-demand messages. There are no restrictions on how the allowance is spread over the meter portfolio.

Stage 1 of the Smart Energy Code – Draft Schedule of Core Communication Services

Export Supplier for a Smart Metering System

NB: Unless otherwise stated, all services apply to a meter with a specified device identification.

The following services are restricted to Users who are Export Suppliers.

User Gateway Catalogue Ref.	Service	Description	Service Response Time		Automatic or Requested (A or R)	Preferred performance Standard (%)		Entitlement	
			Scheduled (hrs.)	On demand (sec)		Scheduled (hrs.)	On demand (sec)	Frequency	Penetration of meters
4.2	Read Instantaneous Export Registers	To send a command to the Communications Hub to retrieve the current export register readings (at the time of execution of the command).		30	R			U	
4.8	Read Profile Data	To send a command to the Communications Hub to retrieve interval data (half hourly consumption data) from a meter.	24		R			365	100 ⁴
		To send a command to the Communications Hub to retrieve interval data (half hourly consumption data) from a meter.		30	R				
4.12	Read Maximum Demand Values	To retrieve the maximum demand register values recorded on a meter.	24		R			U	
6.2	Read Device Configuration	To send a command to the Communications Hub to configure the data values that are currently held on a meter.		30	R			U	
6.20	Set Device Configuration (MPxN)	To send a command to the Communications Hub to apply the MPAN data item for a specified meter.	24		R			U	
		To send a command to the Communications Hub to apply the MPAN data item for a specified meter.		30	R			U	
7.4	Read Supply Status	To send a command to the Communications Hub to retrieve the status of an electricity Load Switch at a meter.		30	R			U	
8.11	Update HAN Device Log	To send a command to the Communications Hub to update the Communications Hub Device Log (white list).	24		R			U	
		To send a command to the Communications Hub to update the Communications Hub Device Log (white list).		30	R			U	
8.12	Replace HAN Device Log	To send a command to the Communications Hub to re-establish the HAN device Log.	24		R			U	
		To send a command to the Communications Hub to re-establish the HAN device Log.		30	R			U	
11.2	Read Firmware	To send a command to the Communications Hub to retrieve the details of the current operating version of firmware present on a meter.	24		R			U	
		To send a command to the Communications Hub to retrieve the details of the current operating version of firmware present on a meter.		30	R			U	

⁴ This entitlement provides the Export supplier with an allowance of a read of the half hourly profile data requested on a daily basis for all meters within its portfolio. This allowance can be used for any combination of scheduled or on-demand messages.

Stage 1 of the Smart Energy Code – Draft Schedule of Core Communication Services

Gas Supplier for a Smart Metering System

NB: Unless otherwise stated, all services apply to a meter with a specified device identification.

The following services are restricted to Users who are Gas Suppliers

User Gateway Catalogue Ref.	Service	Description	Service Response Time		Automatic or Requested (A or R)	Preferred performance Standard (%)		Entitlement	
			Scheduled (hrs.)	On demand (sec)		Scheduled (hrs.)	On demand (sec)	Frequency	Penetration of meter points (%)
1.1	Update Import Tariff	To send a command to the Communications Hub to apply a tariff to a meter.	24		R				U
		To send a command to the Communications Hub to apply a tariff to a meter.		30	R				U
1.2	Update Price	To send a command to the Communications Hub to apply a price to a meter.	24		R				U
1.5	Update Balance	To send a command to the Communications Hub to set the amount of money in currency units calculated by the meter.	24		R				U
		To send a command to the Communications Hub to set the amount of money in currency units calculated by the meter.		30	R				U
1.6	Update Payment Mode	To send a command to the Communications Hub to set the payment mode of the meter.	24		R				U
		To send a command to the Communications Hub to set the payment mode of the meter.		30	R				U
1.7	Reset Tariff Block Counter Matrix	To send a command to the Communications Hub to set the Tariff Block Counter Matrix on a meter.	24		R				U
		To send a command to the Communications Hub to set the Tariff Block Counter Matrix on a meter.		30	R				U
2.1	Update Prepay Configuration	To send a command to the Communications Hub to configure prepayment specific data items on a meter.	24		R				U
		To send a command to the Communications Hub to configure prepayment specific data items on a meter.		30	R				U
2.2	Top Up Device	To send a command to the Communications Hub to add a credit to the balance of a meter operating in prepayment mode.		30	R				U
2.3	Update Debt Values	To send a command to the Communications Hub to set the debt values on a meter.	24		R				U
		To send a command to the Communications Hub to set the debt values on a meter.		30	R				U
2.5	Activate Emergency	To send a command to the Communications Hub to activate the Emergency credit on a meter.	24		R				U

	Credit	To send a command to the Communications Hub to activate the Emergency credit on a meter.		30	R				U
3.1	Display Message	To send a command to the Communications Hub to display a message on a meter.	24		R			24	100 ⁵
		To send a command to the Communications Hub to display a message on a meter.		30	R				
3.2	Restrict Access For Change Of Tenancy	To send a command to the Communications Hub to restrict the access to consumption data stored on the meter.	24		R				U
		To send a command to the Communications Hub to restrict the access to consumption data stored on the meter.		30	R				U
3.3	Clear Event Log	To send a command to the Communications Hub to clear all entries from the Event Log of a meter.		30	R				U
3.4	Update Supplier Name	To send a command to the Communications Hub to apply the supplier name and contact details to a meter.	24		R				U
4.1	Read Instantaneous Import Registers	To send a command to the Communications Hub to retrieve the current import register readings at the time of execution of the command.		30	R				U
4.3	Read Instantaneous Prepay Values	To send a command to the Communications Hub to retrieve the current import prepayment registers readings at the time of execution of the command.		30	R				U
4.4	Retrieve Billing Data Log	To send a command to the Communications Hub to retrieve a data set stored in the Billing Data Log on a meter for a specified date.	24		R				U
		To send a command to the Communications Hub to retrieve a data set stored in the Billing Data Log on a meter for a specified date.		30	R				U
4.6	Retrieve Daily Read Log	To send a command to the Communications Hub to retrieve /a Daily Read Log entry of a meter for a specified date.	24		R				U
		To send a command to the Communications Hub to retrieve a Daily Read Log entry of a meter for a specified date.		30	R				U
4.8	Read Profile Data	To send a command to the Communications Hub to retrieve the interval data (half hourly consumption data) from a meter.	24		R			365	100 ⁶
		To send a command to the Communications Hub to retrieve the interval data (half hourly consumption data) from a meter.		30	R				
4.10	Read Network Data	To send a command to the Communications Hub to retrieve the power quality data stored on the meter.	24		R				U
		To send a command to the Communications Hub to retrieve the power quality data stored on the meter.		30	R				U
4.11	Read Tariff	To send a command to the Communications Hub to the retrieve the current tariff settings on the meter.		30	R				U
4.13	Read Prepayment Configuration	To send a command to the Communications Hub to the retrieve the current prepayment configuration settings on the meter.	24		R				U
		To send a command to the Communications Hub to the retrieve the current prepayment configuration settings on the meter.		30	R				U

⁵ This entitlement provides the Gas supplier with an allowance of 24 messages that may be sent to each meter device within its portfolio. There is no restriction on the number of messages that are scheduled or on-demand nor any restriction on how the allowance spread over the meter portfolio.

⁶ This entitlement provides the Gas supplier with an allowance of a read of the half hourly profile data requested on a daily basis for all meters within its portfolio. This allowance can be used for any combination of scheduled or on-demand messages

4.14	Read Prepayment Daily Read Log	To send a command to the Communications Hub to retrieve the Daily Read Log entry of a meter for a specified date.	24		R			U
		To send a command to the Communications Hub to retrieve the Daily Read Log entry of a meter for a specified date.		30	R			U
6.2	Read Device Configuration	To send a command to the Communications Hub to configure the data values that are currently held on a meter.		30	R			U
6.6	Update Device Configuration (Gas Conversion)	To send a command to the Communications Hub to configure the gas conversion data stored at a specified meter.	24		R			U
6.7	Update Device Configuration (Gas Flow)	To send a command to the Communications Hub to configure the valve within a gas meter.	24		R			U
6.8	Update Device Configuration (Billing Calendar)	To send a command to the Communications Hub to configure the billing calendar on a meter.	24		R			U
		To send a command to the Communications Hub to configure the billing calendar for a meter.		30	R			U
6.11	Synchronise Clock	To send a command to the Communications Hub to synchronise the clock on the meter.	24		R			U
		To send a command to the Communications Hub to synchronise the clock on the meter.		30	R			U
6.13	Read Event Or Security Log	To send a command to the Communications Hub to retrieve data on the stored on the Event or Security Log of the meter.		30	R			U
6.19	Set Device Configuration(Local Time Change Calendar)	To send a command to the Communications Hub to configure a local time change on the calendar of a meter.	24		R			U
		To send a command to the Communications Hub to configure a local time change on the calendar of a meter.		30	R			U
6.20	Set Device Configuration(MPxN)	To send a command to the Communications Hub to apply the MPxN data item for a specified meter.	24		R			U
		To send a command to the Communications Hub to apply the MPxN data item for a specified meter.		30	R			U
6.22	Configure Event Behaviour	To send a command to the Communications Hub to configure the manner in which the meter will handle certain events.	24		R			U
		To send a command to the Communications Hub to configure the manner in which the meter will handle certain events.		30	R			U
7.2	Disable Supply	To send a command to the Communications Hub to disable the supply of gas.		30	R			U
7.3	Arm Supply	To send a command to the Communications Hub to a specified meter to become "armed".		30	R			U
7.4	Read Supply Status	To send a command to the Communications Hub to retrieve the status of the gas Valve.		30	R			U
8.7	Join Service	To send a command to the Communications Hub to instruct HAN devices to communicate with each other.	24		R			U
		To send a command to the Communications Hub to instruct HAN devices to communicate with each other.		30	R			U
8.8	Un Join Service	To send a command to the Communications Hub to instruct HAN devices to cease communication with each other.	24		R			U
		To send a command to the Communications Hub to instruct HAN devices to cease communication with each other		30	R			U

8.9	Read Device Log	To send a command to the Communications Hub to retrieve the details of the meter ID from the Communications Hub Device Log and each specified device on the HAN	24		R			U
		To send a command to the Communications Hub to retrieve the details of the meter ID from the Communications Hub Device Log and each specified device on the HAN		30	R			U
8.11	Update HAN Device Log	To send a command to the Communications Hub to update the Communications Hub Device Log (white list).	24		R			U
		To send a command to the Communications Hub to update the Communications Hub Device Log (white list).		30	R			U
8.12	Restore HAN Device Log	To send a command to the Communications Hub re-establish the HAN device Log.	24		R			U
		To send a command to the Communications Hub re-establish the HAN device Log.		30	R			U
11.1	Update Firmware	To send a command to the Communications Hub to a new version of firmware to be applied to a specified meter.	5 days		R			6 100 ⁷
11.2	Read Firmware	To send a command to the Communications Hub to retrieve the details of the current operating version of firmware present on a meter.	24		R			U
		To send a command to the Communications Hub to retrieve the details of the current operating version of firmware present on a meter.		30	R			U
11.3	Activate Firmware	To send a command to the Communications Hub to activate the new version of firmware that has been previously sent to the meter.	24		R			U
		To send a command to the Communications Hub to activate the new version of firmware that has been previously sent to the meter.		30	R			U

⁷ This entitlement provides the Import supplier with an allowance of six firmware updates that may be sent to each meter device within its portfolio. There is no restriction on the number of firmware updates that are scheduled or on-demand nor any restriction on how the allowance spread over the meter portfolio.

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Electricity Distributor for a Smart Metering System

NB: Unless otherwise stated, all services apply to a meter with a specified device identification.

The following services are restricted to Users who are Electricity Distributors.

User Gateway Catalogue Ref.	Service	Description	Service Response Time		Automatic or Requested (A or R)	Preferred performance Standard (%)		Entitlement	
			Scheduled (hrs.)	On demand (sec)		Scheduled (hrs.)	On demand (sec)	Frequency	Penetration of meter points (%)
4.1	Read Instantaneous Import Registers	To send a command to the Communications Hub to retrieve the current import register readings at the time of execution of the command.		30	R			U	
4.8	Read Profile Data	To send a command to the Communications Hub to retrieve the interval data (half hourly consumption data) from a meter.	24		R			17520	0.1 ⁸
		To send a command to the Communications Hub to retrieve the interval data (half hourly consumption data) from a meter.		30	R				
		To send a command to the Communications Hub to retrieve the interval data (half hourly consumption data) from a meter.	24		R			4	100 ⁹
		To send a command to the Communications Hub to retrieve the interval data (half hourly consumption data) from a meter.		30	R				
4.10	Read Network Data	To send a command to the Communications Hub to retrieve the power quality data stored on the meter.	24		R			17520	0.1 ¹⁰
		To send a command to the Communications Hub to retrieve the power quality data stored on the meter.		30	R				
		To send a command to the Communications Hub to retrieve the power quality data stored on the meter.	24		R			4	100 ¹¹
		To send a command to the Communications Hub to retrieve the power quality data stored on the meter.		30	R				
4.12	Read Maximum Demand Values	To send a command to the Communications Hub to retrieve the maximum demand register values recorded on the meter.	24		R			U	
4.16	Read Active Power Import	To send a command to the Communications Hub to the retrieve the Active Power Import value(s) on a specified meter.	24		R			U	
		To send a command to the Communications Hub to the retrieve the Active Power Import value(s) on a specified meter.		30	R			U	

⁸ This entitlement provides the Electricity distributor an allowance of 17520 reads of half hourly consumption data for 0.1% of smart meters connected to its distribution network. This allowance can be used for any combination of scheduled or on-demand messages. There are no restrictions on how this allowance is spread over its meter portfolio.

⁹ This entitlement provides the Electricity distributor an allowance of 4 reads of half hourly consumption data, for any defined time period, for 100% of smart meters connected to their distribution network. This allowance can be used for any combination of scheduled or on-demand messages. There are no restriction on how this allowance is spread over its meter portfolio.

¹⁰ This entitlement provides the Electricity distributor an allowance of 17520 reads of the stored power quality data for 0.1% of smart meters connected to its distribution network. This allowance can be used for any combination of scheduled or on-demand messages. There are no restriction on how this allowance is spread over its meter portfolio.

¹¹ This entitlement provides the Electricity distributor an allowance of 4 reads of the stored power quality data, for any defined time period, for 100% of smart meters connected to their distribution network. This allowance can be used for any combination of scheduled or on-demand messages. There is no restriction on how this allowance is spread over its meter portfolio.

6.2	Read Device Configuration	To send a command to the Communications Hub to configure the data values that are currently held on a meter.		30	R			U
6.5	Update Device Configuration (voltage)	To send a command to the Communications Hub to set the power quality monitoring configuration parameters for a specified meter.	24		R			U
		To send a command to the Communications Hub to set the power quality monitoring configuration parameters for a specified meter.		30	R			U
6.13	Read Event Or Security Log	To send a command to the Communications Hub to retrieve data stored on the Event or Security Log of the meter.		30	R			U
6.18	Reset Maximum Demand Registers	To send a command to the Communications Hub to set the maximum demand register value(s) and set the time period.	24		R			U
6.22	Configure Event Behaviour	To send a command to the Communications Hub to configure the manner in which the meter will handle certain events.	24		R			U
		To send a command to the Communications Hub to configure the manner in which the meter will handle certain events.		30	R			U
7.4	Read Supply Status	To send a command to the Communications Hub to retrieve the status of an electricity Load Switch at a meter.		30	R			U

Stage 1 of the Smart Energy Code – Draft Schedule of Core Communication Services

Gas Transporter for a Smart Metering System

NB: Unless otherwise stated, all services apply to a meter with a specified device identification.

The following services are restricted to Users who are Gas Transporters

User Gateway Catalogue Ref.	Service	Description	Service Response Time		Automatic or Requested (A or R)	Preferred performance Standard (%)		Entitlement	
			Scheduled (hrs.)	On demand (sec)		Scheduled (hrs.)	On demand (sec)	Frequency	Penetration of meter points (%)
4.1	Read Instantaneous Import Registers	To send a command to the Communications Hub to retrieve the current import register readings at the time of execution of the command.		30	R			U	
4.8	Read Profile Data	To send a command to the Communications Hub to retrieve the interval data (half hourly consumption data) from a meter.	24		R			17520	0.1 ¹²
		To send a command to the Communications Hub to retrieve the interval data (half hourly consumption data) from a meter.		30	R				
		To send a command to the Communications Hub to retrieve the interval data (half hourly consumption data) from a meter.	24		R			4	100 ¹³
		To send a command to the Communications Hub to retrieve the interval data (half hourly consumption data) from a meter.		30	R				
4.10	Read Network Data	To send a command to the Communications Hub to retrieve the power quality data stored on the meter.	24		R			17520	0.1 ¹⁴
		To send a command to the Communications Hub to retrieve the power quality data stored on the meter.		30	R				
		To send a command to the Communications Hub to retrieve the power quality data stored on the meter.	24		R			4	100 ¹⁵
		To send a command to the Communications Hub to retrieve the power quality data stored on the meter.		30	R				
6.2	Read Device Configuration	To send a command to the Communications Hub to configure the data values held on a meter.		30	R			U	
6.13	Read Event Or Security Log	To send a command to the Communications Hub to data from the device regarding its current status and/or past events at a specified device ID via interrogating the Event or Security Log.		30	R			U	
6.22	Configure Event Behaviour	To send a command to the Communications Hub to the configuration of certain events on the meter.	24		R			U	
		To send a command to the Communications Hub to the updating or replacing of the security credentials held on a meter.		30	R			U	

¹² This entitlement provides the Gas Transporter an allowance of 17520 reads of half hourly consumption data for 0.1% of smart meters connected to its distribution network. There is no restriction of the number of reads that are scheduled or on-demand. There are no restriction on how this allowance is spread over its meter portfolio.

¹³ This entitlement provides the Gas Transporter an allowance of 4 reads of half hourly consumption data, for any defined time period, for 100% of smart meters connected to their distribution network. There is no restriction of the number of reads that are scheduled or on-demand. . There are no restriction on how this allowance is spread over its meter portfolio.

¹⁴ This entitlement provides the Gas Transporter an allowance of 17520 reads of the stored power quality data for 0.1% of smart meters connected to its distribution network. There is no restriction of the number of reads that are scheduled or on-demand. . There are no restriction on how this allowance is spread over its meter portfolio.

¹⁵ This entitlement provides the Electricity distributor an allowance of 4 reads of the stored power quality data, for any defined time period, for 100% of smart meters connected to their distribution network. There is no restriction of the number of reads that are scheduled or on-demand. . There are no restriction on how this allowance is spread over its meter portfolio.

7.4	Read Supply Status	To send a command to the Communications Hub to retrieve the status of the status of a gas Valve.		30	R			U
14.1	Record Network Data (GAS)	To send a command to the Communications Hub to instruct the gas meter to record gas consumption data at 6 minute intervals over a four hour period and write such data to the Gas Smart Meter's Network Data Log.		30	R			U

Stage 1 of the Smart Energy Code – Draft Schedule of Core Communication Services

Any User of a Smart Metering System

NB: Unless otherwise stated, all services apply to a meter with a specified device identification.

The following services are available to any User.

User Gateway Catalogue Ref.	Service	Description	Service Response Time		Automatic or Requested (A or R)	Preferred performance Standard (%)		Entitlement
			Scheduled (hrs.)	On demand (sec)		Schedule d (hrs.)	On demand (sec)	
4.8	Read Profile Data	To send a command to the Communications Hub to retrieve the interval data (half hourly consumption data) from a meter.	24		R			U
		To send a command to the Communications Hub to retrieve the interval data (half hourly consumption data) from a meter.		30	R			U
6.2	Read Device Configuration	To send a command to the Communications Hub to configure the data values that are currently held on a meter.		30	R			U
8.7	Join Service	To send a command to the Communications Hub to instruct HAN devices to communicate with each other.	24		R			U
		To send a command to the Communications Hub to instruct HAN devices to communicate with each other.		30	R			U
8.8	Un Join Service	To send a command to the Communications Hub to instruct HAN devices previously joined to cease communication with each other.	24		R			U
		To send a command to the Communications Hub to instruct HAN devices previously joined to cease communication with each other.		30	R			U
8.9	Read Device Log	To send a command to the Communications Hub to retrieve the details of the meter. ID and security credentials for each specified device on the HAN.	24		R			U
		To send a command to the Communications Hub to retrieve the details of the meter. ID and security credentials for each specified device on the HAN.		30	R			U