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

Import Supplier for a Smart Metering System

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

User Gateway Catalogue Ref.	Name	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 request a new tariff structure to be applied to a meter device	24		R				U
		To request a new tariff structure to be applied to a meter device		30	R				U
1.2	Update Price	To request a new currency unit price per time period/unit of energy consumed to be applied to a meter device at a specified meter id.	24		R				U
1.5	Update Balance	To request the adjustment of the amount of money in currency units accounted for by the meter device	24		R				U
		To request the adjustment of the amount of money in currency units accounted for by the meter device		30	R				U
1.6	Update Payment Mode	To request the setting of the payment mode to either prepayment or credit whilst maintaining energy supply.	24		R				U
		To request the setting of the payment mode to either prepayment or credit whilst maintaining energy supply.		30	R				U
1.7	Reset Tariff Block Counter Matrix	To request that the Tariff Block Counter Matrix on a meter device is reset.	24		R				U
		To request that the Tariff Block Counter Matrix on a meter device is reset.		30	R				U
2.1	Update Prepay Configuration	To request that new values for the prepayment configuration data items are applied to a meter device.	24		R				U
		To request that new values for the prepayment configuration data items are applied to a meter device		30	R				U
2.2	Top Up Device	To request that a prepayment top up is sent to a meter device		30	R				U
2.3	Update Debt	To request to update the t debt values on a meter device	24		R				U
		To request to update the debt values on a meter device		30	R				U
2.5	Activate Emergency Credit	To activate the Emergency credit on a meter device configured to operate in prepayment mode	24		R				U
		To activate the Emergency credit on a meter device configured to operate in prepayment mode		30	R				U

3.1	Display Message	To request a message is correctly displayed on a meter device or associated devices at a specific meter id.	24		R				
		To request a message is correctly displayed on a meter device or associated devices at a specific meter id		30	R			24	100[1]
3.2	Restrict Access For Change Of Tenancy	To request that access to data on the meter device	24		R			U	
		To request that access to data on the meter device		30	R			U	
3.3	Clear Event Log	To request that the data within the Event Log of a meter device is cleared.		30	R			U	
3.4	Update Supplier Name	To request that the supplier name and contact details held on a meter are updated.	24		R			U	
4.1	Read Instantaneous Import Registers	To request an immediate view of the current import register read values meter device.		30	R			U	
4.3	Read Instantaneous Prepay Values	To request an instantaneous read of the prepayment values on a meter device		30	R			U	
4.4	Retrieve Billing Data Log	To request read of a data set stored in the Billing Data Log a meter device on an ad-hoc basis for a specified date.	24		R			U	
		To request read of a data set stored in the Billing Data Log a meter device on an ad-hoc basis for a specified date.		30	R			U	
4.6	Retrieve Daily Read Log	To request a Daily Read Log entry of a meter device for a specified date.	24		R			U	
		To request a Daily Read Log entry of a meter device for a specified date.		30	R			U	
4.8	Read Profile Data	To request the retrieval of interval data (half hourly consumption data) from a meter device.	24		R				
		To request the retrieval of interval data (half hourly consumption data) from a meter device		30	R			365	100[2]
4.10	Read Network Data	To request the retrieval of stored power quality data from a meter device	24		R			U	
		To request the retrieval of stored power quality data from a meter device		30	R			U	
4.11	Read Tariff	To request a read of the current tariff settings (including price, time of use matrix and time of use blocks) that are in use on a meter device, in addition with the payment mode status..		30	R			U	
4.12	Read Maximum Demand Registers	To retrieve the maximum demand register values recorded on a meter device	24		R			U	
4.13	Read Prepayment Configuration	To request a view of the meter device prepayment configuration settings	24		R			U	
		To request a view of the meter device prepayment configuration settings		30	R			U	
4.14	Read Prepayment Daily Read Log	To request a Daily Read Log entry of a meter device for a specified date.	24		R			U	
		To request a Daily Read Log entry of a meter device for a specified date		30	R			U	
4.15	Read Load Limit Counter	To request a read of the Load Limit Counter on a specified electricity meter device.	24		R			U	

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[1] Further work may be undertaken on the allocation of entitlements..
[2] See above.

4.16	Read Active Power Import	To request a read of the Active Power Import value(s) on a specified meter device.	24		R			U
		To request a read of the Active Power Import value(s) on a specified meter device.		30	R			U
4.17	Retrieve Daily Consumption Log	To request a read of the data set stored in the Daily Consumption Log of a meter device for a specified period.	24		R			U
		To request a read of the data set stored in the Daily Consumption Log of a meter device for a specified period		30	R			U
5.1	Create Schedule	To request the creation of a new schedule for a specified meter device ID and service request type	24		R			U
5.2	Read Schedule	To query either a specific schedule or its content or to interrogate schedules set up by the DCC Service User at a specific meter ID	24		R			U
5.3	Delete Schedule	To request the deletion of an existing schedule for a defined meter ID.	24		R			U
6.2	Read Device Configuration	To request the configuration data values that are currently held on a meter device and that determine the configurable aspects of its behaviour		30	R			U
6.4	Update Device Configuration (Load Limiting)	To request the configuration of the load limiting functionality on a meter device. This includes the ability to reset the Load Limit Counter on such a meter device.	24		R			U
		To request the configuration of the load limiting functionality on a meter device. This includes the ability to reset the Load Limit Counter on such a meter device		30	R			U
6.8	Update Device Configuration (Billing Calendar)	To request the configuration of or update to the billing calendar for a meter device	24		R			U
		To request the configuration of or update to the billing calendar for a meter device		30	R			U
6.11	Synchronise Clock	To request synchronisation of a meter device clock.	24		R			U
		To request synchronisation of a meter device clock.		30	R			U
6.12	Update Device Configuration (Instantaneous Power Threshold)	To request setting the values of the ambient power thresholds for display on an IHD.	24		R			U
		To request setting the values of the ambient power thresholds for display on an IHD.		30	R			U
6.13	Read Event Or Security Log	To request information from the meter device about its current status and/or past events via interrogating the Event or Security Log.		30	R			U
6.14	Update Device Configuration (Auxiliary Load Control)	To request the configuration of the Auxiliary Load Control parameters stored within a specified device.	24		R			U
6.19	Set Device Configuration(Local Time Change Calendar)	To request configuration of the local time change calendar for a meter device	24		R			U
		To request configuration of the local time change calendar for a meter device		30	R			U
6.20	Set Device Configuration(MPxN)	To request the configuration of the MPxN data item for a specified meter device.	24		R			U
		To request the configuration of the MPxN data item for a specified meter device.		30	R			U
6.22	Configure Event Behaviour	To request the configuration of the way in which a device will handle certain events.	24		R			U
		To request the configuration of the way in which a device will handle certain events		30	R			U

		Description						
7.1	Enable Supply	To request the enablement of the electricity supply via a meter device into a consumer premises.	24		R			U
		To request the enablement of the electricity supply via a meter device into a consumer premises		30	R			U
7.2	Disable Supply	To request the energy supply via a meter device is temporarily suspended		30	R			U
7.3	Arm Supply	To request a specified meter device is "armed" such that supply will be restored locally following simple on site intervention (e.g. button push on meter by a user).		30	R			U
7.4	Read Supply Status	To request the status of an electricity Load Switch at a meter device.		30	R			U
7.5	Activate Auxiliary Load	To request the operation of the specified Auxiliary Load Control Switch (ALCS) controlled by the specified electricity meter, thus activating the auxiliary load.		30	R			U
7.6	Deactivate Auxiliary Load	To request the operation of the Auxiliary Load Switch controlled by the device thus deactivating the Auxiliary Load.		30	R			U
7.7	Read Auxiliary Load Control Switch Configuration	To request the retrieval of the configuration information related to a specified ALCS controlled by a specified electricity meter.	24		R			U
7.8	Reset Auxiliary Load	To request the resetting of the specified Auxiliary Load Control Switch (ALCS) controlled by the specified electricity meter, thus putting the auxiliary load in to the state dictated by the corresponding ALCS calendar.		30	R			U
7.9	Add Auxiliary Load To Boost Button	To request the specified Auxiliary Load Switch to be placed under the control of the Boost Button on the meter device.	24		R			U
		To request the specified Auxiliary Load Switch to be placed under the control of the Boost Button on the meter device		30	R			U
7.10	Remove Auxiliary Load From Boost Button	To request the removal of the specified Auxiliary Load Switch from the control of the Boost Button on the meter device.	24		R			U
		To request the removal of the specified Auxiliary Load Switch from the control of the Boost Button on the meter device.		30	R			U
7.11	Read Boost Button Details	To request the details related to the Boost Button on the specified electricity meter, covering which ALCS's are controlled by the Boost Button and the recent usage of the Boost Button Import Supplier	24		R			U
		To request the details related to the Boost Button on the specified electricity meter, covering which ALCS's are controlled by the Boost Button and the recent usage of the Boost Button Import Supplier		30	R			U
7.12	Set Randomised Offset Limit	To request the setting of the Randomised Offset Limit through updating data items at for a meter device.	24		R			U
8.1	Commission Device	To request activation and configuration of a device for use with the DCC		30	R			U
8.7	Join Service	To instruct HAN devices to communicate with each other.	24		R			U
		To instruct HAN devices to communicate with each other.		30	R			U
8.8	Un Join Service	To instruct HAN devices to cease communication with each other	24		R			U
		To instruct HAN devices to cease communication with each other		30	R			U
8.9	Read Device Log	To request a read of the meter device IDs and security credentials for each specified device on the HAN with which it can functionally interact.	24		R			U
		To request a read of the meter device IDs and security credentials for each specified device on the HAN with which it can functionally		30	R			U

Ref	Name	Description							
		interact.							
8.11	Update HAN Device Log	To request an update the Communications Hub Device Log (white list) when new devices are added to or removed from the HAN.	24		R				U
		To request an update the Communications Hub Device Log (white list) when new devices are added to or removed from the HAN.		30	R				U
8.12	Restore HAN Device Log	A set of actions that re-establish the HAN on replacement of a communications hub, including restore Device IDs of devices in the premises	24		R				U
		A set of actions that re-establish the HAN on replacement of a communications hub, including restore Device IDs of devices in the premises		30	R				U
8.13	Return HHT Response	To return responses from smart metering equipment carried on an HHT	24		R				U
		To return responses from smart metering equipment carried on an HHT		30	R				U
11.1	Update Firmware	To request a new version of firmware to be applied to a specified meter device.	5 days		R			6	100[3]
11.2	Read Firmware	To request a read of the current operating version of firmware present on a meter device.	24		R				U
		To request a read of the current operating version of firmware present on a meter device.		30	R				U
11.3	Activate Firmware	To request activation of the upgrade on a device to a new version of firmware that has been previously sent to a device, such that the device can apply the update.	24		R				U
		To request activation of the upgrade on a device to a new version of firmware that has been previously sent to a device, such that the device can apply the update		30	R				U

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[3] See above.

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

Export Supplier for a Smart Metering System

User Gateway Catalogue Ref.	Name	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 request an immediate view of the current export register read values on electricity meter device		30	R				U
4.8	Read Profile Data	To request the retrieval of interval data (half hourly consumption data) from a meter device	24		R			365	100[4]
		To request the retrieval of interval data (half hourly consumption data) from a meter device		30	R				
4.12	Read Maximum Demand Values	To retrieve the maximum demand register values recorded on a meter device.	24		R				U
5.1	Create Schedule	To request the creation of a new schedule for a specified meter device ID and service request type.	24		R				U
5.2	Read Schedule	To query either a specific schedule or its content or to interrogate schedules set up by the DCC Service User at a specific meter ID.	24		R				U
5.3	Delete Schedule	To request the deletion of an existing schedule for a defined meter.	24		R				U
6.2	Read Device Configuration	To read the configuration data values that are currently held on a device and that determine the configurable aspects of its behaviour.		30	R				U
6.20	Set Device Configuration(MPxN)	To configure the MPxN data item for a specified meter device	24		R				U
		To configure the MPxN data item for a specified meter device		30	R				U
7.2	Read Supply Status	To determine the status of an electricity Load Switch at a meter device.		30	R				U
8.1	Commission Device	To request the activation and configuration of a meter device for use with the DCC		30	R				U
8.11	Update HAN Device Log	To request the update of the Communications Hub Device Log when new devices are added to or removed from the HAN.	24		R				U
		To request the update of the Communications Hub Device Log when new devices are added to or removed from the HAN		30	R				U
8.12	Replace HAN Device Log	A set of actions that re-establish the HAN on replacement of a communications hub	24		R				U
		A set of actions that re-establish the HAN on replacement of a communications hub:		30	R				U
8.13	Return HHT Response	To return responses from smart metering equipment carried on an	24		R				U

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[4] See above.

		HHT.						
		To return responses from smart metering equipment carried on an HHT.		30	R			**U**
11.2	Read Firmware	To request a read of the current operating version of firmware present on a meter device.	24		R			**U**
		To request a read of the current operating version of firmware present on a meter device.		30	R			**U**

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

Gas Supplier for a Smart Metering System

User Gateway Catalogue Ref.	Name	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 request a new tariff structure to be applied to a meter device	24						U
		To request a new tariff structure to be applied to a meter device		30					U
1.2	Update Price	To request a new currency unit price per time period/unit of energy consumed to be applied to a meter device at a specified meter id.	24						U
1.5	Update Balance	To request the adjustment of the amount of money in currency units accounted for by the meter device.	24						U
		To request the adjustment of the amount of money in currency units accounted for by the meter device		30					U
1.6	Update Payment Mode	To request the setting of the payment mode to either prepayment or credit whilst maintaining energy supply.	24						U
		To request the setting of the payment mode to either prepayment or credit whilst maintaining energy supply		30					U
1.7	Reset Tariff Block Counter Matrix	To request that the Tariff Block Counter Matrix on a meter device is reset.	24						U
		To request that the Tariff Block Counter Matrix on a meter device is reset		30					U
2.1	Update Prepay Configuration	To request that new values for the prepayment configuration data items are applied to a meter device	24						U
		To request that new values for the prepayment configuration data items are applied to a meter device		30					U
2.2	Top Up Device	To request that a prepayment top up is sent to a meter device		30					U
2.3	Update Debt	To request to update the t debt values on a meter device	24						U
		To request to update the t debt values on a meter device		30					U
2.5	Activate Emergency Credit	To activate the Emergency credit on a meter device configured to operate in prepayment mode.	24						U
		To activate the Emergency credit on a meter device configured to operate in prepayment mode		30					U
3.1	Display Message	To request a message is correctly displayed on a meter device or associated devices at a specific meter id.	24						U
		To request a message is correctly displayed on a meter device or associated devices at a specific meter id		30				24	100[5]

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[5] See above.

	Name	Description								
3.2	Restrict Access For Change Of Tenancy	To request that access to data on the meter device.	24							U
		To request that access to data on the meter device		30						U
3.3	Clear Event Log	To request that the data within the Event Log of a meter device is cleared		30						U
3.5	Reset Customer PIN	To request the state of the privacy PIN is updated		30	R					U
3.4	Update Supplier Name	To request that the supplier name and contact details held on a meter are updated.	24							U
4.1	Read Instantaneous Import Registers	To request an immediate view of the current import register read values on meter device		30						U
4.3	Read Instantaneous Prepay Values	To request an instantaneous read of the prepayment values on a gas meter device		30						U
4.4	Retrieve Billing Data Log	To request read of a data set stored in the Billing Data Log a gas proxy device on an ad-hoc basis for a specified date.	24							U
		To request read of a data set stored in the Billing Data Log a gas proxy device on an ad-hoc basis for a specified date.		30						U
4.6	Retrieve Daily Read Log	To request a Daily Read Log entry of a meter for a specified date.	24							U
		To request a Daily Read Log entry of a meter for a specified date.		30						U
4.8	Read Profile Data	To request the retrieval of interval data (half hourly consumption data) from a meter device.	24							
		To request the retrieval of interval data (half hourly consumption data) from a meter device		30				365	100[6]	
4.10	Read Network Data	To request the retrieval of stored power quality data from a meter device.	24							U
		To request the retrieval of stored power quality data from a meter device.		30						U
4.11	Read Tariff	To request a read of the current tariff settings (including price, time of use matrix and time of use blocks) that are in use on a meter, in addition with the payment mode status..		30						U
4.13	Read Prepayment Configuration	To request a view of the meter device prepayment configuration settings	24							U
		To request a view of the meter device prepayment configuration settings		30						U
4.14	Read Prepayment Daily Read Log	To request a Daily Read Log entry of a meter device for a specified date.	24							U
		To request a Daily Read Log entry of a meter device for a specified date.		30						U
5.1	Create Schedule	To request the creation of a new schedule for a specified meter device ID and service request type	24							U

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[6] See above.

Ref	Service	Description						
5.2	Read Schedule	To query either a specific schedule or its content or to interrogate schedules set up by the DCC Service User at a specific meter ID	24					U
5.3	Delete Schedule	To request the deletion of an existing schedule for a defined meter ID.	24					U
6.2	Read Device Configuration	To request the configuration data values that are currently held on a meter device and that determine the configurable aspects of its behaviour		30				U
6.6	Update Device Configuration (Gas Conversion)	To request configuration of the gas conversion data stored at a specified meter.	24					U
6.7	Update Device Configuration (Gas Flow)	To request the configuration of the behaviour of the valve within a gas meter under specified conditions.	24					U
6.8	Update Device Configuration (Billing Calendar)	To request the configuration of or update to the billing calendar for a meter device	24					U
		To request the configuration of or update to the billing calendar for a meter device		30				U
6.11	Synchronise Clock	To request synchronisation of a meter device clock.	24					U
		To request synchronisation of a meter device clock.		30				U
6.13	Read Event Or Security Log	To request information from the meter device about its current status and/or past events via interrogating the Event or Security Log.		30				U
6.19	Set Device Configuration(Local Time Change Calendar)	To request configuration of the local time change calendar for a meter device	24					U
		To request configuration of the local time change calendar for a meter device		30				U
6.20	Set Device Configuration(MPxN)	To request the configuration of the MPxN for a specified meter device.	24					U
		To request the configuration of the MPxN for a specified meter device.		30				U
6.22	Configure Event Behaviour	To request the configuration of the way in which a device will handle certain events.	24					U
		To request the configuration of the way in which a device will handle certain events.		30				U
7.2	Disable Supply	To request the energy supply via a meter device is temporarily suspended		30				U
7.3	Arm Supply	To request a specified meter device is "armed" such that supply will be restored locally following simple on site intervention (e.g. button push on meter by a user).		30				U
7.4	Read Supply Status	To request the status of a gas Valve and the status of a battery on a gas		30				U
8.7	Join Service	To instruct HAN devices to communicate with each other.	24					U
		To instruct HAN devices to communicate with each other.		30				U
8.8	Un Join Service	To instruct HAN devices to cease communication with each other.	24					U
		To instruct HAN devices to cease communication with each other.		30				U

8.9	Read Device Log	To request a read of the meter device IDs and security credentials for each specified device on the HAN with which it can functionally interact.	24							**U**
		To request a read of the meter device IDs and security credentials for each specified device on the HAN with which it can functionally interact.		30						**U**
8.11	Update HAN Device Log	To request an update the Communications Hub Device Log (white list) when new devices are added to or removed from the HAN.	24							**U**
		To request an update the Communications Hub Device Log (white list) when new devices are added to or removed from the HAN		30						**U**

8.12	Restore HAN Device Log	A set of actions that re-establish the HAN on replacement of a communications hub, including where applicable:
		    - restore Device IDs of devices in the home (excluding the old Gas proxy Device)
		    - restore Gas related Device IDs to the Gas Proxy Device
		    - join the Gas Proxy Device to the Gas Meter
		- restore Gas Supplier credentials to the gas Proxy Device
			24							**U**

		A set of actions that re-establish the HAN on replacement of a communications hub, including where applicable: - restore Device IDs of devices in the home (excluding the old Gas proxy Device) - restore Gas related Device IDs to the Gas Proxy Device - join the Gas Proxy Device to the Gas Meter - restore Gas Supplier credentials to the gas Proxy Device		30						**U**
8.13	Return HHT Response	To return responses from smart metering equipment carried on an HHT	24							**U**
		To return responses from smart metering equipment carried on an HHT		30						**U**
11.1	Update Firmware	To request a new version of firmware to be applied to a specified meter device.	5 days						6	100[7]
11.2	Read Firmware	To request a read of the current operating version of firmware for a device at a specified Device Id To request a read of the current operating version of firmware present on a meter device.	24							**U**
		To request a read of the current operating version of firmware for a device at a specified Device Id		30						**U**
11.3	Activate Firmware	To request activation of the upgrade on a device to a new version of firmware that has been previously sent to a device, such that the device can apply the update.	24							**U**
		To request activation of the upgrade on a device to a new version of firmware that has been previously sent to a device, such that the device can apply the update.		30						**U**

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[7] See above.

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

Electricity Distributor for a Smart Metering System

User Gateway Catalogue Ref.	Name	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 (%)
4.2	Read Instantaneous Import Registers	To request an immediate view of the current import register read values on an electricity meter device		30	R			U	
4.8	Read Profile Data	To request the retrieval of interval data (half hourly consumption data) from a device with a specific device ID.	24		R			17520 (365 x48)	0.1
		To request the retrieval of interval data (half hourly consumption data) from a device with a specific device ID.		30	R				
		To request the retrieval of interval data (half hourly consumption data) from a device with a specific device ID.	24		R			4 (3 months)	100
		To request the retrieval of interval data (half hourly consumption data) from a device with a specific device ID.		30	R				
4.10	Read Network Data	To allow a DCC Service User to retrieve stored power quality data from a device at a specified Device ID	24		R			17520 (365x48)	0.1
		To allow a DCC Service User to retrieve stored power quality data from a device at a specified Device ID		30	R				
		To allow a DCC Service User to retrieve stored power quality data from a device at a specified Device ID.	24		R			4(3 months)	100
		To allow a DCC Service User to retrieve stored power quality data from a device at a specified Device ID		30	R				
4.12	Read Maximum Demand Values	To request the retrieval of the maximum demand register values recorded on a meter device.	24		R			U	
4.16	Read Active Power Import	To request the Active Power Import value(s) on a specified meter device.	24		R			U	
		To request the Active Power Import value(s) on a specified meter device		30	R			U	
5.1	Create Schedule	To request the creation of a new schedule for a specified meter device ID and service request type	24		R			U	
5.2	Read Schedule	To query either a specific schedule or its content or to interrogate schedules set up by the DCC Service User at a specific meter ID	24		R			U	
5.3	Delete Schedule	To request the deletion of an existing schedule for a defined meter ID.	24		R			U	
6.2	Read Device Configuration	To request the configuration data values that are currently held on a meter device and that determine the configurable aspects of its behaviour		30	R			U	
6.5	Update Device Configuration (voltage)	To set the power quality monitoring configuration parameters for a specified meter device.	24		R			U	
		To set the power quality monitoring configuration parameters for a specified meter device		30	R			U	
6.13	Read Event Or Security Log	To request information from the meter device about its current status and/or past events via interrogating the Event or Security Log.		30	R			U	

					R			U
6.18	Reset Maximum Demand Registers	To request the resetting of the maximum demand register value(s) and set the time period to accommodate new network demand survey(s).	24		**R**			**U**
6.22	Configure Event Behaviour	To request the configuration of the way in which a device will handle certain events	24		**R**			**U**
		To request the configuration of the way in which a device will handle certain events		30	**R**			**U**
7.4	Read Supply Status	To request the status of the status of the status of an electricity Load Switch at a meter device.		30	**R**			**U**

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

Gas Transporter for a Smart Metering System

User Gateway Catalogue Ref.	Name	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 request an immediate view of the current import register read values on a gas meter.		30				U	
4.8	Read Profile Data	To request the retrieval of interval data (half hourly consumption data) from a device with a specific device ID.	24					17520 (365 x48	0.1
		To request the retrieval of interval data (half hourly consumption data) from a device with a specific device ID.		30					
		To request the retrieval of interval data (half hourly consumption data) from a device with a specific device ID.	24					4	100
		To request the retrieval of interval data (half hourly consumption data) from a device with a specific device ID.		30					
4.10	Read Network Data	To retrieve stored power quality data from a device at a specified Device ID.	24					17520(365 x48)	0.1
		To retrieve stored power quality data from a device at a specified Device ID.		30					
		To retrieve stored power quality data from a device at a specified Device ID.	24					4	100
		To retrieve stored power quality data from a device at a specified Device ID.		30					
5.1	Create Schedule	To request the creation of a new schedule for a specified meter device ID and specified communication service request type	24					U	
5.2	Read Schedule	To query either a specific schedule or its content or to interrogate schedules set up by the Gas Transporter at a specific meter ID.	24					U	
5.3	Delete Schedule	To request the deletion of an existing schedule for a defined Device ID.	24					U	
6.2	Read Device Configuration	To read the configuration data values that are currently held on a device and that determine the configurable aspects of its behaviour		30				U	
6.13	Read Event Or Security Log	To request information from the device regarding its current status and/or past events at a specified device ID via interrogating the Event or Security Log.		30				U	
6.22	Configure Event Behaviour	To request the configuration of certain events on the meter device.	24					U	
		To request the updating or replacing of the security credentials held on a meter device		30				U	
7.4	Read Supply Status	To request the status of the status of a gas Valve and the status of a battery on a gas meter.		30				U	
14.1	Record Network Data (GAS)	To instruct the Gas Smart Metering Equipment (GSME) 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				U	

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

Any User of a Smart Metering System

User Gateway Catalogue Ref.	Name	Description	Service Response Time		Automatic or Requested (A or R)	Preferred performance Standard (%)		Entitlement
			Scheduled (hrs.)	On demand (sec)		Scheduled (hrs.)	On demand (sec)	
4.8	Read Profile Data (24 hrs.)	To request interval data (half hourly consumption data) from a meter device (by reference to a specific meter device ID).	24		R			U
4.8	Read Profile Data (30 seconds)	To request interval data (half hourly consumption data) from a meter device (by reference to a specific meter device ID).		30	R			U
5.1	Create Schedule	To request the creation of a new schedule (by reference to a specified meter device ID and service request type.	24		R			U
5.2	Read Schedule	To query either a specific schedule or its content or to interrogate schedules set up at a specific meter ID.	24		R			U
5.3	Delete Schedule	To request the deletion of an existing schedule for a defined Device ID.	24		R			U
6.2	Read Device Configuration	To request a read of the configuration data values that are currently held on a meter device (by reference to a specific meter device ID) and that determine the configurable aspects of its behaviour.		30	R			U
8.2	Read Inventory	To request a view of the DCC Inventory to confirm the information and data held for a device or meter device		30	R			U
8.7	Join Service	To instruct HAN devices to communicate with each other.	24		R			U
		To instruct HAN devices to communicate with each other		30	R			U
8.8	Un Join Service	To instruct HAN devices to cease communication with each other	24		R			U
		To instruct HAN devices to cease communication with each other		30	R			U
8.9	Read Device Log	To read device IDs and security credentials for each specified device on the HAN with which it can functionally interact (so sending or receiving information / alerts, sending or receiving commands, etc.)	24		R			U
		To read device IDs and security credentials for each specified device on the HAN with which it can functionally interact (so sending or receiving information / alerts, sending or receiving commands.		30	R			U

(ii) Additional Core Communication Services likely to be included in the updated version of the SEC

Import Supplier Services

User Gateway Catalogue Ref.	Name	Description	Service Response Time		Automatic or Requested (A or R)	Preferred performance Standard (%)		Entitlement
			Scheduled (hrs.)	Scheduled (sec)		Scheduled (hrs.)	On demand (sec)	
3.5	Reset Customer PIN	To request the state of the privacy PIN is updated		30	R			U
6.15	Update Security Credentials	To request the updating or replacing of the security credentials held on a meter device	24		R			U
		To request the updating or replacing of the security credentials held on a meter device		30	R			U
6.17	Issue Security Credentials	To request that the specified meter device generates a new Key Pair and issue a corresponding Certificate Signing Request.	24		R			U
6.21	Request Handover Of DCC Controlled Device	To request that the electricity supplier security credentials are placed on a device in place of DCC Security Credentials	24		R			U
6.23	CoS Update Security Credentials	To request that the security credentials on a device are updated to enable a change of supplier	24		R			U
		To request that the security credentials on a device are updated to enable a change of supplier		30	R			U
8.10	Update Public Security Credentials	To request an update the public credentials held by DCC for either a device or organisation	24		R			U

Export Supplier Services

User Gateway Catalogue Ref.	Name	Description	Service Response Time		Automatic or Requested (A or R	Preferred performance Standard (%)		Entitlement
			Scheduled (hrs.)	On Demand (sec)		Scheduled (hrs.)	On demand (sec)	
8.10	Update Public Security Credentials	To request the update of the public credentials held by DCC for either a device or an organisation	24		R			U

Electricity Distributor Services

User Gateway Catalogue Ref.	Name	Description	Service Response Time		Automatic or Requested (A or R	Preferred performance Standard (%)		Entitlement
			Scheduled (hrs.)	On Demand (sec)		Scheduled (hrs.)	On demand (sec)	
6.15	Update Security Credentials	To request the updating or replacing of the security credentials held on a meter device.	24		R			U
		To request the updating or replacing of the security credentials held on a meter device.		30	R			U

Gas Transporter Services

User Gateway Catalogue Ref.	Name	Description	Service Response Time		Automatic or Requested (A or R	Preferred performance Standard (%)		Entitlement
			Scheduled (hrs.)	On Demand (sec)		Scheduled (hrs.)	On demand (sec)	
6.15	Update Security Credentials	To request the updating or replacing of the security credentials held on a meter device	24		R			U
		To request the updating or replacing of the security credentials held on a meter device		30	R			U

Any User

User Gateway Catalogue Ref.	Name	Description	Service Response Time		Automatic or Requested (A or R)	Preferred performance Standard (%)		Entitlement
			Scheduled (hrs.)	On Demand (sec)		Scheduled (hrs.)	On demand (sec)	
9.1	CIN Request	To request a Customer Identification Number (CIN) to be displayed at a specified meter device	24		R			U

Gas Supplier Services

User Gateway Catalogue Ref.	Name	Description	Service Response Time		Automatic or Requested (A or R)	Preferred performance Standard (%)		Entitlement
			Scheduled (hrs.)	On Demand (sec)		Scheduled (hrs.)	On demand (sec)	
8.1	Commission Device	To request activation and configuration of a device for use with the DCC		30				**U**
8.2	Read Inventory	To request confirmation of the information and data held within the DCC inventory for a device or a meter End Point Id		30				**U**
8.3	Decommission Device	To request the decommissioning of a meter device at a specified end point id.		30				**U**
8.4	Update Inventory	To request DCC update the status of a device		30				**U**
8.5	Service Opt Out	To request the opt out of the DCC services for a specified meter device Id	24					**U**
8.6	Service Opt In	To request the opt in to the DCC services for a specified meter device Id	24			.		**U**
6.21	Request Handover Of DCC Controlled Device	To request that the gas supplier security credentials are placed on a device in place of DCC Security Credentials	24					**U**
6.23	CoS Update Security Credentials	To request that the security credentials on a device are updated to enable a change of supplier	24					**U**
		To request that the security credentials on a device are updated to enable a change of supplier		30				**U**
8.10	Update Public Security Credentials	To request an update of the public security credentials held by the DCC for either a device or an organisation	24					**U**

(iii) Other Service Requests from DCC Users via the DCC User Gateway which are not Core Communication Services

Import Supplier

User Gateway Catalogue Ref.	Name	Description	Service Response Time		Automatic or Requested (A or R)	Preferred performance Standard (%)		Entitlement
			Scheduled (hrs.)	On Demand (sec)		Scheduled (hrs.)	On demand (sec)	
8.3	Decommission Device	To request the decommissioning of a meter device at a specified end point id.		30	R			U
8.5	Service Opt Out	To request the opt out of the DCC services for a specified meter device Id	24		R			U
8.6	Service Opt In	To request the opt in to the DCC services for a specified meter device Id	24		R	.		U
12.2	Device Pre-notification	To provide the DCC with details of devices (identifier, etc.) that they intend to install at some point in the future, or have already installed and wish to update details for.	24		R			U
8.2	Read Inventory	To request confirmation of the information and data held within the DCC inventory for a device or a meter End Point Id		30	R			U
8.4	Update Inventory	To request DCC update the status of a device		30	R			U
12.1	Request WAN Matrix	To request and obtain details about the best WAN technologies for a specified area/address	24		R			U

Export Supplier

User Gateway Catalogue Ref.	Name	Description	Service Response Time		Automatic or Requested (A or R)	Preferred performance Standard (%)		Entitlement
			Scheduled (hrs.)	On Demand (sec)		Scheduled (hrs.)	On Demand (sec)	
12.1	Request WAN Matrix	To request and obtain details about the best WAN technologies for a specified area/address	24		R			U
12.2	Device Pre-notification	To allow a DCC Service User to provide the DCC with details of devices (identifier, etc.) that they intend to install at some point in the future, or have already installed and wish to update details for.	24		R			U
8.2	Read Inventory	To request confirmation of the information and data held within the DCC inventory for a device or a meter End Point Id		30	R			U
5.3	Decommission Device	To request that a specified meter device is recorded as decommissioned within the DCC Inventory.		30	R			U
8.4	Update Inventory	To request that the DCC changes the status of a device within the DCC Inventory		30	R			U
12.1	Request WAN Matrix	To request details about the best WAN technologies for a specified area/address	24		R			U
12.2	Device Pre-notification	To provide the DCC with details of devices (identifier, etc.) that they intend to install at some point in the future, or have already installed and wish to update details for.	24		R			U

Gas Supplier

User Gateway Catalogue Ref.	Name	Description	Service Response Time		Automatic or Requested (A or R)	Preferred performance Standard (%)		Entitlement/ Allowance
			Scheduled (hrs.)	On Demand (sec)		Scheduled (hrs.)	On demand (sec)	
8.3	Decommission Device	To request the decommissioning of a meter device at a specified end point id.		30	R			U
8.5	Service Opt Out	To request the opt out of the DCC services for a specified meter device Id	24		R			U
8.6	Service Opt In	To request the opt in to the DCC services for a specified meter device Id	24		R	.		U
12.2	Device Pre-notification	To provide the DCC with details of devices (identifier, etc.) that they intend to install at some point in the future, or have already installed and wish to update details for.	24		R			U
8.2	Read Inventory	To request confirmation of the information and data held within the DCC inventory for a device or a meter End Point Id		30	R			U
8.4	Update Inventory	To request DCC update the status of a device		30	R			U
12.1	Request WAN Matrix	To request and obtain details about the best WAN technologies for a specified area/address	24		R			U

Electricity Distributor

User Gateway Catalogue Ref.	Name	Description	Service Response Time		Automatic or Requested (A or R)	Preferred performance Standard (%)		Entitlement
			Scheduled (hrs.)	On Demand (sec)		Scheduled (hrs.)	On demand (sec)	
8.2	Read Inventory	To request confirmation of the information and data held within the DCC inventory for a device or a meter End Point Id		30	R			U

Gas Transporter

User Gateway Catalogue Ref.	Name	Description	Service Response Time		Automatic or Requested (A or R)	Preferred performance Standard (%)		Entitlement
			Scheduled (hrs.)	On Demand (sec)		Scheduled (hrs.)	On demand (sec)	
8.2	Read Inventory	To request confirmation of the information and data held within the DCC inventory for a device or a meter End Point Id		30	R			U

Any User

User Gateway Catalogue Ref.	Name	Description	Service Response Time		Automatic or Requested (A or R)	Preferred performance Standard (%)		Entitlement
			Scheduled (hrs.)	On Demand (sec)		Scheduled (hrs.)	On demand (sec)	
8.2	Read Inventory	To request confirmation of the information and data held within the DCC inventory for a device or a meter End Point Id		30	R			U