

Option 3 – At Go Live DCC performs ‘Initial Scope’ activities: Registration is added [2-3]yrs later		
Overview:	<p>This option involves two stages of industry change:</p> <ul style="list-style-type: none"> • Stage 1: at Go Live DCC’s activities are limited to those identified in the ‘initial scope’ option of the Prospectus (i.e. as described in Option 1) • Stage 2: [2-3] years after Go Live, DCC’s activities are extended to include registration. This stage includes streamlining the change of supplier and other industry processes, thus facilitating switching by dual fuel customers. The stage also includes the transfer of all registration data from legacy registration systems to DCC (i.e. comparable to option 2B) <p>The baseline against which future changes should be assessed is the ‘as is’ arrangements in both electricity and gas as at 2010.</p>	
Services supported:	All services listed in the Service Catalogue will be supported with the exception of ‘evolved smart grid’ services (e.g. remote management of smart appliances).	
DCC Activities:	Stage 1	Stage 2
	As described in Option 1 – namely: <ul style="list-style-type: none"> • Secure access control • Translation • Scheduled data retrieval • Network management • Reporting, invoicing and financial management 	Stage 1 plus: <ul style="list-style-type: none"> • Registration (i.e. as Option 2B)
Source of supplier registration data:	Stage 1	Stage 2
	As described in Option 1 – i.e. DCC to access legacy databases	DCC maintains industry registration database covering all sites (i.e. as Option 2B)
Change of Supplier / Tenancy arrangements	Stage 1	Stage 2
	As described in Option 1 – i.e. existing CoS/CoT procedures are used with legacy registration databases identifying sites where smart meters have been installed	All sites will follow the new CoS/CoT processes for smart metering which will facilitate switching by dual fuel customers (i.e. as Option 2B)
New connections:	Stage 1	Stage 2
	As described in Option 1 – i.e. existing procedures for issuing MPAN/SPNs will remain in operation. When a smart meter is fitted the legacy registration system will be updated to show that a smart meter has been installed.	A new process will be devised which allows network operators to manage interactions with developers and to issue MPAN/SPNs. When the MPAN/SPN is issued the DCC’s registration system will be updated by the network operator and the smart meter details will be recorded in the DCC systems when it self-registers (i.e. as Option 2B)

Settlements:	The existing settlement procedures will remain in operation.	
Pay As You Go	DCC will support the PAYG services listed in the Services Catalogue. Suppliers will transmit PAYG messages to DCC and be responsible for recording whether a smart meter is operating in PAYG or credit mode: they will also be responsible for ensuring that PAYG messages (e.g. top-ups) are only sent to meters operating in PAYG mode.	
Metering agents:	The 'supplier hub' principle will continue to apply with suppliers deciding whether to appoint third party agents or to perform activities through internal business units. Accordingly the DCC may receive service requests either from suppliers or their agents.	
Market messaging	Stage 1	Stage 2
	As described in Option 1 – i.e. a new market messaging solution will be developed by DCC to handle all messages passed between DCC and service users. The existing market message systems (DTN & iX) will continue to be used for transactions relating to traditional meters.	A new market messaging system will be developed by DCC to handle all messages passed between DCC and service users. The existing market message systems (DTN & iX) will continue in operation for surviving legacy transaction flows (e.g. between suppliers and settlement organisations) – i.e. as Option 2B
Smart grid functions:	Services to be supported under this option will comprise: <ul style="list-style-type: none"> • Ad hoc power quality reads (single or aggregate values) • Transfer of alarms to network operators 	
Industry data for which DCC will hold the master record:	Stage 1	Stage 2
	As described in Option 1 – i.e. DCC will maintain a database of sites where there is at least one smart meter and will record: <ul style="list-style-type: none"> • WAN comms address • Devices attached to this node • Technical details for smart meter operation • 'Lead supplier' for the site (i.e. gas or electricity) 	DCC's registration system will record the following information for all sites: <ul style="list-style-type: none"> • Spatial reference and MPAN/SPN • Supplier/agents • Meters & devices • Settlement details • WAN comms address • Customer type • 'Lead supplier' for the site (i.e. gas or electricity) i.e. as Option 2B
At both stages, DCC will retain records of messages received / transmitted (including requests which fail authentication) so that it can provide audit information on requests / responses but it will not retain any transaction data (e.g. meter readings).		

Data Migration	Stage 1	Stage 2
	As described in Option 1 – i.e. at this stage there will be no mass migration of data to DCC. Sites / devices will be added to DCC's database as and when meters are installed	At this stage DCC's initial database of smart meters will be extended into a full registration database and all remaining sites/meters will be migrated to DCC. This will require data cleansing to be performed and systems/procedures to be developed by suppliers, network operators and others to keep their databases aligned with DCC. This is akin to Option 2B.
Treatment of 'early smart' meters	Stage 1	Stage 2
	'Early smart' meters will have been recorded in the appropriate registration system at the time they were installed. An 'early smart' meter will only be entered into the DCC database when it starts to communicate via DCC (rather than direct to the supplier). Only those 'early smart' meters which comply with the approved technical specification will be eligible for adoption by DCC.	Any 'early smart' meters still in operation by this stage will be migrated along with the traditional meters as above.
Non-domestic customers:	Stage 1	Stage 2
	As described in Option 1 – i.e. DCC will only act as the communication services provider for non-domestic customers if the supplier elects to use DCC	DCC will only act as the communication services provider for non-domestic customers if the supplier elects to use DCC. DCC will be the sole provider of registration services and all suppliers will be obliged (via licence condition) to use this service, regardless of whether or not they choose to use DCC's communications services (i.e. as option 2B)
Security standards:	To be completed	
Other features:	?	