

# **Review of Indicative Table of Contents for the Smart Energy Code**

**Interoperability  
Service Descriptions  
DCC Management  
DCG SG3  
11 January 2011**

# Commercial Interoperability

- Discussed under DCG SG2 on 22<sup>nd</sup> December 2010
- Suggestion that the Spring Package should encourage interoperability at a high-level
- Question around what is the most appropriate legislative instrument for delivering Commercial Interoperability – passed to Regulation Managers – to report back at next SG2 session
- Scope for SEC content is highly dependant on DCG SG2 output

# Technical Interoperability

*“The Code would define requirements in a number of areas to ensure technical interoperability - the ability of all suppliers to supply any customers with smart meters without regard to the make of smart meter installed or provider of the HAN and without the need to visit the premises.”*

- Key output from SMDG SG1
- Need a view of what final products SMDG SG1 will deliver
  - Ensures documentation consistency
- Agreed standards/protocols defined and documented within SEC (or subsidiary docs)

# DCC Service Descriptions

Registration: *Activation of the metering system in the DCC's systems\**

- Process as part of installation to confirm activation of end-to-end communications between DCC and SMS and back again
- Confirms the asset/s installed at each premises
- DCC is able to set-up appropriate access control with correct Supplier/premises/assets
- Interactions required between DCC and Supply Point Registration bodies for CoS activity
- Requirements for 'de-activation' where services no longer required

\* Only applicable to those meters where the supplier is taking DCC services

# DCC Service Descriptions

Access Control: *“The method used to ensure that access to data is only available to properly authorised parties.”*

- For Supply activity - reliant on up-to-date Supply Point Registration information
  - Requirement for link between Supply Point Registration and DCC
- Different levels of access control for different parties (i.e. Network Operators, ESCO's etc)
- Consumers 'granting' direct access to 3rd parties
  - Processes need to be defined
  - 3<sup>rd</sup> party will need to be SEC signatory
    - Compliant with certain sections or framework type agreements
- Existing legislative framework associated with provision of information relating to consumers will prevail (DPA)<sub>5</sub>

# DCC Service Descriptions

Gateways: “*DCC would provide one or more gateways through which authorised parties could communicate with DCC and/or with smart meters.*”

- Key output from DCG Sub-Group 1 for interface specification definition
- Need to take outputs from DCG SG1 for inclusion in SEC

# DCC Service Descriptions

Data Transfer: *“This section would deal with the communication services to be offered by DCC. Authorised parties would be able to communicate directly with smart meters, subject to their level of access control, in order to obtain a special reading, to reconfigure the meter for use with a new TOU tariff and so on.”*

- Allow parties direct access to smart meters for certain key events as detailed in DCC Services Catalogue
  - Data at Change of Supplier – old & new supplier (reads, credit/debit balance for prepayment etc) & Change of Tenancy
  - Meter configuration (i.e. following CoS/CoT)
  - Remote switching between credit and prepayment
  - Remote disablement/enablement
  - Change of tariff
  - Fault resolution & immediate customer service activities
  - Consideration of prepayment requirements
  - Smart Grid data
  - **Non Licensed DCC User activity requests**

# DCC Service Descriptions

DCC Data Services: *“There would be a number of core data services available to suppliers and network companies. These would include arrangements for provision of consumption data.”*

- Core services are required – yet to be defined
  - Likely to differ between parties – same data may be needed by different parties
- Service levels are required for core services – yet to be defined
- Could be reliant on outputs from Ofgem Data Uses work



# DCC Management

Billing & Payment: *“This would define the arrangements for billing and payment based on the charging statement to be prepared in accordance with DCC’s licence and consistent with the licence conditions relating to permitted revenues.”*

- Set out principles for billing for use of DCC’s services
  - Will need to reflect different parties taking different services
  - Various charging options available
- Monthly payment scheduling
  - Late payment charges (interest charges)
- Credit cover arrangements (links into governance & default processes)
  - Level of credit cover required - could be other mechanisms
  - Calculation of credit indebtedness

# DCC Management

Reporting: *“There would be a requirement to produce an annual report on the operation of the Code with suggestions for improvement, as well as to produce more frequent operational reports.”*

- Essential to enable panel to efficiently manage DCC & service providers
- Key requirement for frequent operational reporting
  - Detail and frequency to be defined once scope of services and performance levels are confirmed
  - Appropriate procedures for issue resolution where identified through reporting (i.e. Security)
- Annual reporting requirements to be defined and agreed with SEC panel (or similar)
  - Process required for operational improvements within overall scheduled change process?