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| Modification Proposal – BSCP40/03 | MP No: 222 (mandatory by BSCCo) |
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| Title of Modification Proposal <i>(mandatory by originator):</i> Provision of EAC and AA data to Distributors | |
| Submission Date <i>(mandatory by originator):</i> 1 February 2008 | |
| Description of Proposed Modification <i>(mandatory by originator)</i> This proposal seeks to implement a solution where DSOs receive estimated annual consumption (EAC) or annualised advance (AA) information for non half hourly sites where use of system charges are settled on an aggregated basis (i.e. where consumption data is provided by the D0030 flow). It is proposed that this information be provided by the non half-hourly data collector sending a D0019 flow to the relevant DSO. This modification proposal follows on from work undertaken as part of Issue 31. A report on Issue 31 is expected to be submitted to the BSC Panel meeting of 14 February 2008. | |
| Description of Issue or Defect that Modification Proposal Seeks to Address <i>(mandatory by originator)</i> Currently AA and EAC data are provided by Data Collectors to Suppliers and Data Aggregators through use of the DTC data flow D0019. Providing this information to DSOs would enable them to more easily and better understand the loading of their networks. Where DSOs receive consumption information for non half hourly sites in an aggregated form they do not receive site specific consumption data for sites settled under profile class 1 to 4. (we understand that only 2 DSO groups (ENW and SSE) undertake site specific billing for profile classes 5 to 8 in the NHH market). Although DSOs receive copies of meter readings via the D0010 'Meter Readings' flow, the data may be 14 months old, and often requires significant cleansing and processing before it has value. Difficulties in processing and using the D0010 data were recognised by other DSOs. Where DSOs do not receive site specific consumption data it is more difficult for them to assess the loading of their networks. This can lead to networks being overloaded, or customers suffering from voltage complaints or interference. Alternatively, it could lead to inefficient or inappropriate reinforcement of the distribution system. In moving towards more dynamic management of networks it will become increasingly important for distributors to understand the loading of their network. Having such information will be important in assessing potential locations for distributed generation. Additionally, effective and economic development of the network will result in lower DUoS charges for consumers and generators. Also, new licensed electricity distributors have entered the market. Typically, such distributors connect their networks to the distribution systems of the ex-PES DSOs. Trading arrangements for IDSOs were determined through BSC Modification Proposal P62. Ex PES DSOs and IDSOs are exploring solutions that avoid the use of boundary metering to ascertain use of system charges. One such solution involves the IDSO providing settlement data, aggregated by settlement class (data contained within the D0030 flow), to the ex-PES DSO. This in essence replicates the current process for billing of suppliers. However, whilst this may provide data for DUoS billing; it does not provide data to facilitate system planning and operation because it does not allow the IDSO to determine the consumption across each DSO/IDSO boundary. | |

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(mandatory by BSCCo)**Impact on Code** *(optional by originator)*

See section 4.2 of "Report on Issue 31 'Provision of Annualised Advance and Estimated Annual Consumption Data to LDSO'

We understand that this report will be submitted for the BSC Panel meeting of 14 February 2008

Impact on Core Industry Documents or System Operator-Transmission Owner Code *(optional by originator)*

None foreseen.

Impact on BSC Systems and Other Relevant Systems and Processes Used by Parties *(optional by originator)*

None foreseen.

Impact on other Configurable Items *(optional by originator)*

See section 4.2 of "Report on Issue 31 'Provision of Annualised Advance and Estimated Annual Consumption Data to LDSO."

We understand that this report will be submitted for the BSC Panel meeting of 14 February 2008

Justification for Proposed Modification with Reference to Applicable BSC Objectives *(mandatory by originator)*

DSOs need to understand the loading on their networks so that they can ensure economic and efficient operation of their respective distribution systems.

Consumption data provides a useful proxy for demand. Providing DSOs and IDSOs with site specific consumption information will better enable them to plan and operate their distribution systems. In gaining a better understanding of the loading of the networks DSOs and IDSOs will be better able to facilitate the connection of demand and generation customers.

In the future it is envisaged that distributed generation will play a much bigger role in the operation of the UK electricity industry. In order to accommodate future solutions IDSOs and DSOs will require site specific demand and generation information to manage their distribution networks. If future solutions rely on the netting off of generation and demand at different distribution nodes then such information will be essential. Therefore, this Proposed Modification will assist in developing competition in generation.

It is believed that this proposal satisfies BSC Objective set out in Condition 3, paragraph 3(c) of the Transmission Licence; namely the "*promoting of effective competition in the generation and supply of electricity, and (so far as consistent therewith) promoting such competition in the sale and purchase (as defined in the Transmission Licence) of electricity*"

Whilst DSOs receive copies of meter readings the data is likely to be out of date and may require significant cleansing. Although the DCUSA places obligations on suppliers to provide LDSOs with relevant information on request, by their very nature handling these specific request is likely to be more expensive.

Additionally, the Electricity Networks Association is facilitating a work group comprising of IDSOs

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and DSOs to look at alternative solutions to boundary metering. In considering solutions parties have identified that the provision of the data contained in the D0019 flow would enable the IDSO to determine the consumption at an IDSO/DSO boundary and estimate the maximum demand. Ofgem also attend this industry working group.

P43 was raised by WPD in 2001 and was rejected by the Authority in 2002. At the time of the proposal some DSOs still received consumption information via the PES supply businesses. Business separation means that DSOs no longer have access to site specific consumption for NHH sites. We believe the circumstances and the understanding of the need for such information has developed since the P43 proposal was submitted.

It is believed that providing the information via existing settlement flows offers a more cost effective solution than establishing arrangements where information is provided by suppliers outside the settlement process.

Urgency Recommended: ~~Yes~~ / No (*delete as appropriate*) (*optional by originator*)

Justification for Urgency Recommendation (*mandatory by originator if recommending progression as an Urgent Modification Proposal*)

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Name.....*As Proposer*.....

Organisation.....

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Attachments: ~~Yes~~/ No (*delete as appropriate*) (*mandatory by originator*)

If Yes, Title and No. of Pages of Each Attachment: