



Demand Estimation Sub Committee Work Plan – 2017/18

26th July 2017

Objective:

- To agree DESC's work plan for Autumn 2017 / Winter 2018 prior to next Spring analysis

Background

- Each summer DESC are asked to consider / review the work plan for the upcoming Autumn / Winter period. This consists of :
 - Standard regular work items performed year on year
 - Adhoc work areas which naturally get raised through discussions at DESC and/or DESC TWG and captured by Xoserve on an adhoc work areas log.
- DESC have the responsibility of reviewing the list and prioritising those it wishes TWG to focus on during the next Autumn and Winter period in addition to the standard work plan items
- The next 2 slides summarise the standard work plan items for the upcoming Autumn / Winter period and additional work identified by Xoserve

Standard Work Plan – Autumn/Winter ‘17/18

- Algorithm Performance for Gas Year 2016/17
- Spring Approach 2018 preparations (for Gas Year 2018/19)
 - Approach document approved
 - Back runs
 - Updates to modelling systems
- Review of Model Smoothing methodology
 - Normally performed every 2 years, at last review in Autumn 2015 DESC suggested next review in 2018 (3 years), DESC still happy with this approach ?

Additional Work – Autumn/Winter ‘17/18

- At February’s DESC meeting Xoserve presented some initial thoughts on how we could improve current processes / systems to allow us more flexibility in how the various parameters are delivered.

Now the key Demand Estimation deliverables for Gas Year 2017/18 have been approved, Xoserve would like to focus on this significant piece of work

- Develop processes for Algorithm Performance measures for ‘new world’ algorithm
- Ongoing support to industry following UK Link replacement, particularly around UiG
- Seasonal Normal Review 2020 - preparation, discussions and analysis

TWG Adhoc work areas log

- The last review session of the list of adhoc work areas was carried out at the DESC meeting on 26th July 2016 which helped plan the Autumn/Winter '16/17 schedule of work
- For information, slide 14 shows the adhoc work plan items which were prioritised as part of last years review and are now completed
- The next 2 slides cover the work items that (i) have been raised as a potential area to investigate but as yet have not been identified as a priority, (ii) items carried forward from last year and (iii) new suggested items from Xoserve as per previous slide.
- All “Completed” items since the TWG was established are provided as an Appendix at the end of the presentation

TWG Adhoc work areas log

Source	Description	Status
TWG 20/04/12	Consider the application of weather correction to WAR Bands	Awaiting Prioritisation
TWG 25/06/14	Xoserve to review day of the week demand behaviours, particularly whether the modelling of Monday to Thursday demands together is still valid (Ref: E.Ons 14/15 rep – qry 1)	Awaiting Prioritisation
TWG 25/06/14	All parties to suggest different ways that the EUC banding might be split, based on consumption levels or customer attributes, this was a post UKL replacement consideration (DE0202)	Awaiting Prioritisation

TWG Adhoc work areas log

Source	Description	Status
XOS 13/07/16	Support to UK Link replacement , including ongoing simulation of UiG levels	Ongoing from last year
XOS 13/07/16	Establish process for Algorithm Performance measures for 'new world' algorithm	Ongoing from last year
XOS 13/07/16	Update to modelling systems to accommodate new UK Link data structure (Spring 2018)	Ongoing from last year
XOS 26/07/17	Continue work on improving current DE processes / systems	Proposed

DESC Views

- DESC are invited to review the standard work plan items, additional work already identified and items on adhoc work areas log and provide their views on priorities for Autumn/Winter 2017/18 work plan
- Are all items on adhoc work areas log still relevant / wanted ?
- Xoserve have provided their recommendation on the next slide

Xoserve Recommendations

- In addition to standard work plan items Xoserve believe the main priorities this Autumn / Winter should be on the following areas:
 - Ongoing support to industry following UK Link replacement, particularly around UiG
 - Work on upgrades to modelling processes / systems which develop Demand Estimation deliverables
 - Establish process for Algorithm Performance measures for ‘new world’ algorithm
 - Start to work on plans for Seasonal Normal Review 2020

Appendix

Record of Completed TWG Adhoc Work Items

Adhoc work areas log

Source	Description	Status
<i>TWG 20/04/12</i>	<i>Review of appropriateness of current EUC definitions for Small and Large NDM</i>	<i>Completed (Winter 13/14)</i>
<i>TWG 20/04/12</i>	<i>Investigate possibility of providing TWG with data during the Spring analysis WAR Band definitions review</i>	<i>Completed (Winter 12/13)</i>
<i>TWG 15/08/12</i>	<i>Complete analysis and investigations into Options A,C and E in order to conclude views on final algorithm to take forward</i>	<i>Completed (Winter 12/13)</i>
<i>TWG 15/08/12</i>	<i>'Maintenance work' on EUC modelling system / processes following first run through of annual cycle – including re-write of systems, updates to existing ones and documentation updates</i>	<i>Completed (Winter 12/13)</i>
<i>TWG 15/08/12</i>	<i>Prepare for impacts of weather station change at Hulme Library impacting NW and WN LDZs</i>	<i>Completed (Winter 13/14)</i>

Adhoc work areas log

Source	Description	Status
TWG Dec'12	<i>Analysis to understand relationship between Birmingham Edgbaston and Winterbourne following announcement of Edgbaston closure</i>	<i>Completed (Winter 12/13)</i>
TWG 24/04/13	<i>Review current LDZ aggregations used for EUC modelling and agree any potential new groupings. Followed by system updates and testing</i>	<i>Completed (Winter 13/14)</i>
TWG 20/04/12	<i>Review of 'spike' validation rules applied to sample data during Spring (and Autumn) analysis</i>	<i>Completed (Winter 13/14)</i>
XOS 15/05/13	<i>Windows 7 and Microsoft Office 2010 upgrades</i>	<i>Completed (Winter 14/15)</i>

Adhoc work areas log

Source	Description	Status
<i>DESC 30/07/14</i>	<i>TWG to explore options for measuring Algorithm Performance in the Post UK Link replacement world.</i>	<i>Completed (TWG – Sep' 2015)</i>
<i>TWG 27/04/15</i>	<i>TWG proposed that list of data aggregations for modelling should be reviewed in advance of Spring analysis to see what might be preferred/substituted</i>	<i>Completed (TWG – Nov' 2015)</i>
<i>DESC 21/05/14</i>	<i>DESC and Xoserve to work together to establish a process of using Shipper consumption data to boost data available to modelling. Target Date October 2014 to assist Algorithm performance</i>	<i>Completed (Spring 2016)</i>
<i>XOS 06/07/15</i>	<i>Review of contents of NDM Booklet and modelling supporting files</i>	<i>Completed (Summer 2016)</i>

Adhoc work areas log

Source	Description	Status
<i>DESC 13/11/13</i>	<i>Perform another review of Model Smoothing methodology in Autumn 2014 (following results presented in Autumn 2013)</i>	<i>Superseded. DESC agreed not to do this in 2014</i>
<i>TWG 23/05/12</i>	<i>Further consideration given to parameters / tests used for defining Warm Weather Cut off models</i>	<i>Completed (Autumn / Winter 2016/17)</i>
<i>TWG 26/06/13</i>	<i>Review actual sample consumption versus summer profiles in order to try and improve allocation process during summer months (linked to above)</i>	<i>Completed (Autumn / Winter 2016/17)</i>