



Demand Estimation Sub Committee

Work Plan - 2015/16

29th July 2015

- 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.
- Xoserve maintain the list to ensure it is up to date with any progress on listed items and recording any new items raised in the past 12 months
- 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

Xoserve



respect > commitment > teamwork

Standard Work Plan Items – Autumn/Winter 15/16

- Autumn / Winter 2015 (Q4)
 - NDM sample validation (prep. for Algorithm performance)
 - Model Smoothing Assessment
- Winter 2016 (Q1)
 - Algorithm Performance 2014/15 Strand 3 NDM sample analysis ?
 - Spring Approach 2016 preparations
 - Approach document approved, Backruns, Updates to modelling systems
 - Establish 'Catch-up' schedule for Spring sample data collection

- Note: DESC agreed at its meeting on 8th July 2015 to suspend Algorithm Performance for Gas Year 2014/15. Therefore the Standard Work Plan items of 'Strand 1 WCF /SF Analysis' and 'Strand 2 RV Analysis' have been removed.
- 'Strand 3 NDM Sample analysis' potentially could remain because the "Best Estimate" analysis which effectively represents the post Nexus algorithm

Xserve



respect > commitment > teamwork

Additional Work – Autumn/Winter 15/16

- In addition to standard work plan items, the Demand Estimation team are also preparing to work on the following:
 - Review of Shipper sample data including feasibility/appropriateness of adding to current modelling sample
 - Review and update of current sample data aggregations process which prepares files for EUC modelling system. This is necessary because:
 - Following transformation to Windows 7 some software used in process is unsupported
 - Need to incorporate new data flows i.e. shipper data
 - Establish Algorithm Performance measures for 'new world' algorithm
 - Preparations for system changes on 1st Oct' 2015 i.e. new gas day, CWV defs
 - Support to UK Link Replacement, including ongoing estimation of UG levels

xserve



respect > commitment > teamwork

Adhoc work areas log

- The last review session of the list of adhoc work areas was carried out at the DESC meeting on 30th July 2014 which helped plan the Autumn/Winter '14/15 schedule of work
- Main work plan items for Autumn/Winter '14/15 was the review and approval of new Seasonal Normal basis and revised CWV definitions, therefore limited opportunity to focus on adhoc work
- The log has been updated to reflect the status of the work that was carried out last Autumn/Winter and any new work areas that have been identified since the last review
- The next 3 slides cover the “Outstanding” items, including those raised in the past 12 months. The “Completed” items are provided as an Appendix at the end of the presentation

Xserve



respect > commitment > teamwork

TWG Adhoc work areas - Outstanding

Source	Description	Status
TWG 20/04/12	Consider the application of weather correction to WAR Bands	Outstanding
TWG 23/05/12	Further consideration given to parameters / tests used for defining Warm Weather Cut off models	Outstanding
TWG 26/06/13	Review actual sample consumption versus summer profiles in order to try and improve allocation process during summer months (linked to above)	Outstanding

xserve



respect > commitment > teamwork

TWG Adhoc work areas - Outstanding

Source	Description	Status
DESC 21/05/14	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	Prioritised last Summer ** In Progress **
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)	Outstanding
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)	Prioritised last Summer ** Impacted by Nexus implementation delay ? **

Xoserve



respect > commitment > teamwork

TWG Adhoc work areas - Outstanding

Source	Description	Status
DESC 30/07/14	TWG to explore options for measuring Algorithm Performance in the Post UK Link replacement world.	Outstanding
TWG 27/04/15	TWG proposed that list of data aggregations for modelling should be reviewed in advance of Spring analysis to see what might be preferred/substituted	NEW
XOS 06/07/15	Review of contents of NDM Booklet and modelling supporting files	NEW

Xserve



respect > commitment > teamwork

- 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 2015/16
- Are all items on Adhoc work areas log still relevant / wanted ?
- DESC thoughts on Autumn/Winter 2015/16 work plan ?
- Xoserve have provided their recommendation on the next slide

xoserve



respect > commitment > teamwork

Xoserve Recommendations

- In addition to standard work plan items Xoserve believe the main priorities this Autumn / Winter should be on the following areas:
 - Establish appropriate performance measures for 'new world' algorithm
 - Update sample data aggregations system to allow for new data streams and non-reliance of unsupported software
 - Review NDM booklet and modelling supporting files in order to rationalise process and avoid duplication of effort

Xoserve



respect > commitment > teamwork

TWG Adhoc Work: Record of Completed Items

xserve



respect > commitment > teamwork

TWG Adhoc work areas - Completed

Source	Description	Status
TWG 20/04/12	<i>Review of appropriateness of current EUC definitions for Small and Large NDM</i>	<i>Completed (Winter 13/14)</i>
TWG 20/04/12	<i>Investigate possibility of providing TWG with data during the Spring analysis WAR Band definitions review</i>	<i>Completed (Winter 12/13)</i>
TWG 15/08/12	<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>
TWG 15/08/12	<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>
TWG 15/08/12	<i>Prepare for impacts of weather station change at Hulme Library impacting NW and WN LDZs</i>	<i>Completed (Winter 13/14)</i>

Xserve



respect > commitment > teamwork

TWG Adhoc work areas - Completed

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>

xserve



respect > commitment > teamwork

TWG Adhoc work areas - Completed

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>

xserve



respect > commitment > teamwork