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Approach to Spring 2012 Modelling

Supporting Document: [Approach to Spring2012.pdf](#)

1st February 2012

Spring 2012 Modelling Approach

- Spring Approach document describes the methodology which is to be followed when completing the modelling process for the coming year
- Full details of the approach to be used for proposals to be applied to gas year 2012/13 can be found in:
 - 'Approach_to_Spring2012' document
- Main change from 2011 modelling:
 - Revision of holiday codes applied to the Christmas / New Year period – as per DESC agreement in November 2011.

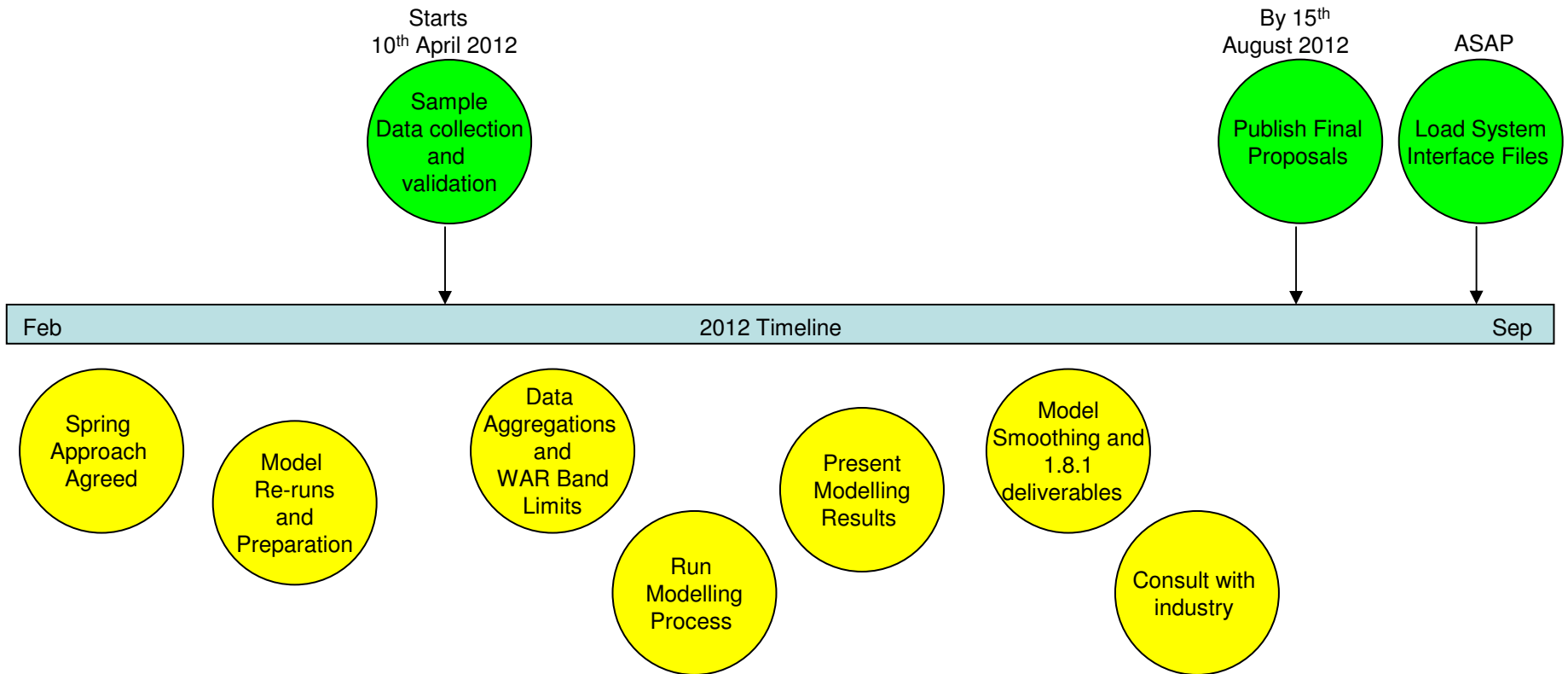
Spring 2012 Modelling Approach

- Overall principles similar to 2011 modelling approach:
 - Determining Summer Reductions and Cut-Offs
 - Weekend and holiday effects included
 - Appropriateness of EUC bandings investigated
 - Fallback position available as with previous years
 - Model smoothing continuation - approach agreed at November '11 DESC
 - Appropriate Band 7 & 8 consumption and/or WAR bands aggregations will be recommended IF sample numbers are too low
 - Band 01 modelled as a single band - 0 to 73.2 MWh
 - Aggregate NDM demand data used in calculation of DAFs to be based on historical demand as used previous two years

Spring 2012 Modelling Timetable

- Introduction of MOD331 removed certain defined target dates
 - Allows more flexibility to plan schedule each year BUT does mean timetable needs to be agreed prior to commencing work plan and consultation period
 - New arrangements require Expert Group and DESC members to be available at certain times to make decisions in order to ensure the overall UNC target dates are met and system interface files are prepared on time

Spring 2012 Modelling Timetable



- ‘Green’ processes have firm dates associated with them
- ‘Yellow’ processes to be completed during analysis cycle
- Following slides attempt to provide draft timeline for 2012

Modelling Process – Draft Timetable 2012

Activity	Target Date	Responsible
Agree Spring Approach document for 2012 analysis	01/02/12	XO / DESC
Model re-runs and preparation work required for modelling	Feb / March	XO
Sample data collection and validation and Data aggregations and Defining WAR Band Limits	End of April	XO
Run EUC modelling process for single year (01/04/2011 to 31/03/2012)	Mid / Late May	XO
DESC / Expert Group review modelling results	June	XO / EG / DESC
Run model smoothing process and prepare the proposed EUC definitions, demand models & derived factors and NDM profiling report	June	XO
DESC / Expert Group review output	June / July	XO / EG / DESC
If required revisions made to output following review cycle	June / July	XO
DESC sign off proposals for publication	June / July	XO / DESC

- Once Expert Group established dates will need to be finalised
- The final activity on this table would need to be completed during w/c 16th July 2012 to achieve UNC targets on next slide

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Modelling Process – Draft Timetable 2012

Activity	Target Date	Responsible	UNC H Ref	Time allowed: b.d = business days
DESC will submit to all Users: a) Proposed EUC definitions and demand models b) Values of the Derived Factors c) Any alternative EUC definitions and demand models d) Performance summary for preceding year	20/07/12	XO	1.8.1	
Users and Transporters can submit representations to DESC	w/c 23/07/12	USERS & TPs	1.8.3	5 b.d
DESC review representations, investigate and consider response	w/c 30/07/12	XO / DESC	1.8.4	5 b.d
DESC provide response to representations in appropriate format – e.g. meeting and apply any revisions as necessary	w/c 06/08/12	XO / DESC	1.8.5 1.8.6	5 b.d
Transporters submit final proposals to Authority / Users no later than 15 th August	w/c 13/08/12	XO	1.9.1	3 b.d

- Consultation period in UNC Section H now only refers to one date – 15th August
- Table above provides some suggestions on how long should be allowed for each UNC obligation

Modelling Process – Future Ideas for Involvement of Expert Group / DESC

- Produce Spring Modelling Approach document
 - CONSULT: Spring Modelling Approach agreed
- Data aggregations and definition of WAR Band limits
 - CONSULT: Aggregations and WAR Band Limits agreed
- Run EUC modelling process for single year
 - CONSULT: Agree actions on unusual / borderline model results**
 - CONSULT: Review all modelling results
- Run model smoothing process and prepare the proposed EUC definitions, demand models and derived factors and NDM profiling report
 - CONSULT: Review and Approve smoothed model and associated outputs – such as ALPs and DAFs

Modelling Process – Future Ideas for Involvement of Expert Group / DESC

- Run EUC modelling process for single year
 - Agree actions on unusual / borderline model results **
 - Graphs of any exceptional cases from the modelling for the 2011/12 analysis year
 - If the modelling suggests a need to exclude any supply points that were included in the validated set, graphs before and after the exclusion of the supply point(s) (if this can be done without identifying individual supply points)
 - Discuss instances where graphs of exceptional cases suggest they may be affected by unusual weather events, details of which days are affected and evidence of the unusual weather on those days
- Where possible the suggestions provided on slides 8 and 9 will be followed during 2012 process (depending on set up of Expert Group and time available)