

xserve



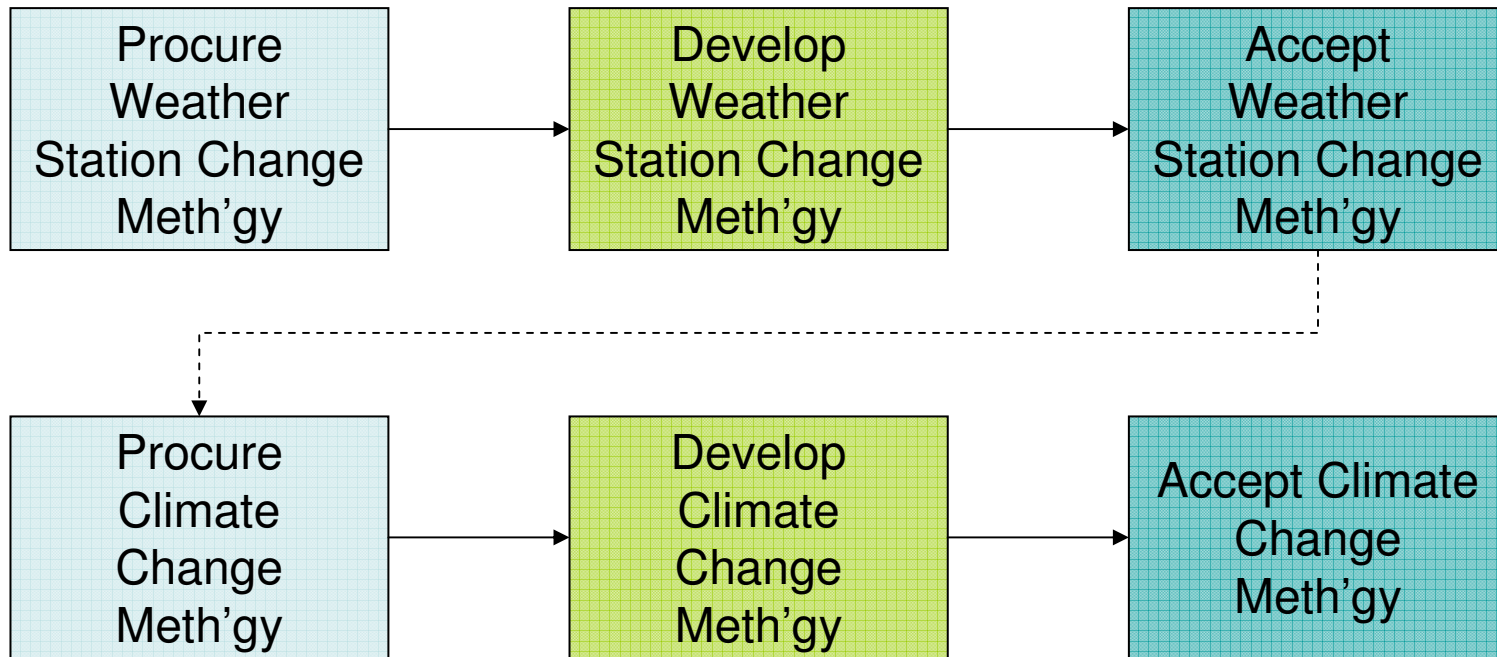
respect > commitment > teamwork

Demand Estimation Sub-Committee MOD330 Phase 1 and 2

11th February 2013



Mod 330 - Interdependencies



Legal text specifies 2nd procurement to start after acceptance of first methodology

Xoserve

DESC

Weather Expert



DESC: Phase 1 Update

- Contract signed in November 2012 with the Met Office to deliver Phase 1: Weather Station Substitution Methodology
- Technical Requirements as agreed at DESC
 - Cloud cover was de-scoped
- Key planned milestones:
 - Draft methodology to Xoserve for review – w/c 4 Feb
 - Draft methodology to DESC for review – w/c 18 Feb
 - Stakeholder workshop – w/c 25 Feb
 - DESC acceptance of Methodology – by 15 March
 - Delivery of final dataset – by 26 April

DESC: Phase 2

- Phase 2 of Modification 330 relates to the development of a Climate Change methodology
- Legal text states procurement for this phase cannot commence until DESC has accepted the weather station substitution methodology – target date 15 March
- However this does not stop DESC from defining and agreeing the technical requirements which will then become the basis for the tender process

Phase 2 – Climate Change Methodology

- Outline from Modification 0330
 - Procure a methodology that would effectively adjust each year of the historical dataset of **temperature and wind speed** (as procured in Phase 1) to a level consistent with climate change
 - Provide over **80 years** of adjusted data that could be used as 'scenarios' to feed directly into the analysis used to generate the CWV and be fully consistent with the current climate
 - Based on the EP2 approach to climate adjustments, update the existing climate averages used by industry participants
 - Methodology would be fully documented and the resulting historical datasets made available to UNC signatories on demand
 - Transporters would work with DESC and seek confirmation and approval of the scope of work specified in the relevant invitation to tender
 - Completed work and proposed methodology would also be subject to approval by DESC
 - User Pays – 50:50 split between GTs/Shippers

xserve



respect > commitment > teamwork

Phase 2 – Met Office Presentation (2010)

- Met Office suggested approach
 - 3 stages
 1. Confirm requirements
 2. Select preferred method
 3. Production and delivery of weather scenarios
 - Costs and timescales would be confirmed at end of Stage 2
- Procurement would be difficult if requirements are not firm when contracting

Phase 2 – Met Office Presentation (contd.)

- Met Office suggested requirements
 - “Daily values of Tmax, Tmin, Solar Radiation, and Wind speed
 - Correlations between the variables are preserved
 - Weather scenarios should be consistent with EP2 WP8 climatologies
 - Preferably, the scenarios should be downscaled to the 21 UK sites”
- 5 possible candidate approaches
- Suggests up to 18 months to complete

Development of Phase 2 Requirements – Questions

- What were the perceived deficiencies of the original EP2 analysis – have the new requirements addressed this?
- How many years of data – 80 or 50?
- How many data items – 2 as per the Mod or 6 as per Phase 1?

Phase 2 – Approach to Procurement

- UNC Transition Document – requires GTs to “procure” a Climate Change Methodology
 - Mod Proposal referred to “Invitation to Tender”
- Are there other possible providers of this service?

Phase 2 – Next Steps

- DESC to confirm Technical Requirements ready for commencement of procurement exercise

New Seasonal Normal Basis - timeline

- New basis must be available December of year prior to go-live to allow for use in AQ calculation
 - New basis required Dec 13 for October 14
 - This is challenging if Climate Change Methodology is a 12-month assignment
 - New basis required Dec 14 for October 15

New Seasonal Normal Basis – possible timeline - updated

