

TASK XV NEWSLETTER NO 4

13 May 2005

Operating Agent for Task XV, Dr David J Crossley, Energy Futures Australia Pty Limited

SECOND EXPERTS MEETING

The second Experts Meeting for Task XV was held at the ADEME offices in Valbonne/Sophia Antipolis in southern France on 12th and 13th April. Thanks to Frédéric Rosenstein for organising a very effective meeting venue, delightful lunches and a magnificent hosted dinner.

SUBTASK 1: WORLDWIDE SURVEY OF NETWORK DSM PROJECTS

The main item for discussion at the Experts meeting was progress on the survey of network DSM projects.

Activities 1-1 and 1-2: Case Studies of Network DSM Projects

At the time the Experts meeting was held, case studies for 15 network DSM projects had been completed and loaded on to the on-line database. This was fewer than had been expected.

Several Experts and I, as Operating Agent, explained the difficulties involved in collecting detailed information about network DSM projects. The best way to obtain high quality information is to talk directly with the person responsible for implementing the project. However, this is often not possible.

I explained that information about network DSM projects is the raw data on which Task XV is based. Unless we are able to collect detailed information about a minimum of 50 projects, it will be very difficult to complete the analysis required to achieve Task XV objectives.

Activity 1-3: Identification of Network DSM Measures

In Activity 1-3, I will review the case study database to identify the DSM measures used in the projects. I will circulate the list of identified measures to the Experts for their comments and feedback before it is finalised.

Activity 1-3 will commence once Activities 1-1 and 1-2 are completed.

SUBTASK 2: ASSESSMENT AND DEVELOPMENT OF NETWORK DSM MEASURES

Activity 2-1: Value Proposition for Network DSM

Activity 2-1 will build on work undertaken in IEADSM Task XIII "Demand Response Resources". The objective is to identify the value proposition for network-driven DSM measures, including the specific network problems which these measures can successfully address.

I propose that Activity 2-1 should be undertaken through a workshop held in October during the third Experts meeting.

Activity 2-2: Effectiveness of Network DSM Measures

Activity 2-2 involves analysis of the information contained in the case study database to determine the factors which lead to particular network-driven DSM measures being successful in cost-effectively achieving network-related objectives.

Activity 2-2 will commence once Subtask 1 is completed.



Activity 2-3: Further Development of Network DSM Measures

Activity 2-3 involves the further development of the network DSM measures to improve their effectiveness in achieving network-related objectives.

The result of this development process will be a concise description of each measure, a list of the network problems it can address, and details about how the measure should be implemented for it to be most effective.

Activity 2-3 will commence once Activity 2-2 is completed.

SUBTASK 3: INCORPORATION OF DSM MEASURES INTO NETWORK PLANNING

Activities 3-1 and 3-2: Survey of Network Planning Processes

In these Activities, the Experts will carry out a survey of the network planning processes implemented in their respective countries. The survey will include information about how network DSM measures interact with the electricity market structures and regulatory regimes existing in each participating country.

Activities 3-1 and 3-2 will commence once Subtask 1 has been completed.

Activity 3-3: Options for Modifying Network Planning Processes

This Activity will develop options for modifying network planning processes to incorporate DSM measures as alternatives to network augmentation.

The result will be a concise description of each option, including its advantages and disadvantages, and suggestions as to how the option could be implemented in network planning processes.

Activity 3-3 will commence once Activities 3-1 and 3-2 are completed.

APPROXIMATE TIMETABLE FOR TASK XV TO THE END OF 2005

Activity	Start	Finish
1-1 & 1-2	Oct 2004	End Jun 2005
1-3	Early Jul 2005	End Jul 2005
2-1	Oct 2005	Nov 2005
2-2	Early Aug 2005	End Aug 2005
2-3	Sep 2005	Dec 2005
3-1 & 3-2	Jul 2005	Sep 2005
3-3	Sep 2005	Dec 2005

EXPERTS TASKS

Over the next five months, Experts should complete the following tasks.

1. By the end of June, collect detailed information about a minimum of 10 network DSM projects in your country and enter the information into the on-line database.
2. By the end of July, provide comments on the list of identified DSM measures. I will circulate this list in mid-July.
3. By the end of August, provide comments on the list of factors which lead to particular network DSM measures being successful. I will circulate this list in mid-August.
4. By the end of September, collect detailed information about the network planning processes implemented in your country. I will circulate a data collection form for this survey in early August.
5. By the end of September, prepare information for the workshop on the value proposition for network-driven DSM measures, including the specific network problems which these measures can successfully address. I will circulate more information about the workshop in mid-August.

COLLABORATION WITH TASK XIII

Task XIII is another international research project being undertaken under the auspices of the International Energy Agency Demand Side Management Programme.

Task XIII is concerned with demand response resources. These comprise changes in electricity consumption levels and patterns, either requested of customers by an upstream electricity supplier or undertaken directly by end-use customers in response to the prices they pay, or are offered, for electricity.

Task XIII is developing the technology, economic and implementation tools needed to rapidly implement demand response to address growing electricity peak demand issues which can create reliability and price volatility issues in the participating countries.

Some of the work of Task XIII is relevant to Task XV. For example, Task XIII is carrying out surveys of demand response

projects in participating countries. Information collected in these surveys may be relevant to the Task XV survey being carried out in Activities 1-1 and 1-3.

Task XIII is also examining the multiple value propositions for demand response in the electricity market. This may be relevant for the Task XV work in Activity 2-1 on the value proposition for network-driven DSM measures.

At the recent meeting of the IEA DSM Executive Committee, collaboration between Tasks was recognised as desirable to avoid duplication of effort. The ExCo therefore agreed that Operating Agents could share “raw data” collected by Tasks before any analysis had been done which could create any intellectual property.

NEXT TASK XV EXPERTS MEETING

The next Task XV Experts meeting will be held in Madrid, Spain in mid- October. Once the dates are finalised, further information will be available from Beatriz Gomez Elvira at: bgomez@ree.es.

Australian Supplement

STILL NEEDING ONE MORE AUSTRALIAN EXPERT

At a meeting held in Sydney on 15 September 2004, it was agreed that four of the eight organisations participating in Task XV would share the role of Australian Expert over the 18 month period.

Unfortunately, no-one was available to take up the role immediately, so I, as the Operating Agent, acted as the Australian Expert for the first period October 2004 to February 2005. Also, Harry Schaap was able to attend the first Task XV Experts meeting in October 2004 to represent the participating organisations.

As announced in the last Newsletter, two people have taken up the role for the second and third periods:

- **Neil Gordon** from EnergyAustralia is the Australian Expert from March to July 2005. He attended the second Experts meeting in April;
- **Harry Schnapp** from TransGrid will be the Expert from August to December 2005 and will attend the third Experts meeting in October.

We still need a third person to take up the role of Australian Expert for the period January to April 2006 and to attend the fourth Experts meeting in April 2006.

Please contact me at: crossley@efa.com.au if you are interested.