
INTERNATIONAL ENERGY AGENCY
IMPLEMENTING AGREEMENT ON TECHNOLOGIES
AND PROGRAMMES FOR DEMAND SIDE MANAGEMENT

Task XV: Network-Driven DSM

Task Status Report

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Prepared for
IEA DSM PROGRAMME

13 September 2007

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1. INTRODUCTION

The original work plan for Task XV has been completed and a Final Task Management Report was presented at the IEADSM Executive Committee meeting in April 2007.

This Task Status Report is concerned with the Task XV extension approved by the Executive Committee on 18 April 2007.

2. SUMMARY OF TASK XV EXTENSION OBJECTIVE AND SUBTASK

2.1 Objective

The objective of the Task XV extension, as approved at the April 2007 Executive Committee meeting, is as follows:

- to investigate in detail the role of load control and smart metering in achieving network-related objectives.

2.2 Subtask

The Task XV extension adds one more Subtask to the existing five Subtasks of Task XV:

Subtask 6: Role of Load Control and Smart Metering in Achieving Network-related Objectives

Subtask Objective

To investigate in detail the role of load control and smart metering in achieving network-related objectives.

Subtask Deliverables

A report summarising ways in which load control and smart metering can be effectively utilised to achieving network-related objectives.

3. WORK PLAN

The work plan for the Task XV extension includes additional work on the existing subtasks plus new work on Subtask 6.

3.1 Subtask 1

Subtask 1 completed a world-wide survey of network-driven DSM projects and the results of the survey are included in an on-line database of 45 detailed case studies. In the Task XV extension, each new participating country will be provided with a copy of the Subtask 1 report and with access to the on-line database. The Operating Agent will research not less than five new case studies of load control and smart metering projects and add them to the on-line case studies database.

3.2 Subtasks 2, 3 and 4

These Subtasks completed the following areas of work:

- Subtask 2 carried out the assessment and development of network-driven DSM measures;

- Subtask 3 reviewed the incorporation of DSM measures into network planning; and
- Subtask 4 investigated the evaluation and acquisition of network-driven DSM resources.

In the Task XV extension, the reports from each of these subtasks will be provided to the new participating countries. The reports will be reviewed by the Operating Agent and the new participants to determine what information from each of the new participants should be added to the reports.

3.3 Subtask 5

Subtask 5 prepares and circulates a Task XV newsletter. In the Task XV extension, the Operating Agent will prepare and circulate two further editions of the newsletter.

3.4 Subtask 6

The objective of this new Subtask is to investigate in detail the role of load control and smart metering in achieving network-related objectives. The work of Subtask 6 will be carried out through three Activities.

Activity 6-1: Load Control and Smart Metering Technologies

This Activity will carry out a survey of currently available load control and smart metering technologies, focussing on the functionalities and capabilities of load control and smart metering devices that can be used to achieve network-related objectives.

Activity 6-2: Load Control and Smart Metering Projects

This Activity will review the load control and smart metering projects included in the Task XV case studies database to identify the factors that contribute to making such projects effective.

Activity 6-3: Best Practices in the Use of Load Control and Smart Metering

This Activity will identify best practices in the use of load control and smart metering to achieve network-related objectives.

4. MAJOR ACCOMPLISHMENTS SINCE APRIL 2007

Following are the major accomplishments in the Task XV extension over the last six months. The work during this period has concentrated on updating the Task XV website, initiating participation by the three new countries, and developing a new on-line database.

- **Updating of the Task XV website.** The Operating Agent completed a major updating and renovation of the Task XV website concurrent with the implementation of the new design for the IEADSM website as a whole. The public part of the Task XV website now contains summaries of the Task XV results to date and the latest Task XV flyer. The secure part of the Task XV website (accessible only by Task XV Experts) now includes all the completed Task XV Research Reports and Task Status Reports; all editions of the Task XV Newsletter; the presentations from all Task XV Experts meetings; and the latest Task XV flyer.
- **Provision of Task XV reports to new country participants.** Representatives of India, New Zealand and South Africa were provided with access to the Task XV Experts secure website. This enabled them to download copies of the four completed Task XV Research Reports and to access the existing on-line database of network-related DSM projects.

- **Workshop for the Indian electricity industry.** The Operating Agent travelled to India and presented a workshop on Task XV for representatives of the Indian electricity industry who were attending the India Electricity conference in New Delhi.
- **New On-line Database.** A new on-line database of load control and smart metering technology products was developed and established on the Task XV Experts secure website. This required extensive work by the IEA DSM Programme webmaster to develop the database and by the Task XV Operating Agent to prepare descriptions of technology products. The database currently includes entries for 11 technology products. This number will be expanded as information about further products is provided by country Experts. The database will be used in the survey of load control and smart metering technology products to be undertaken in Activity 6-1.
- **Task XV Newsletter.** The Operating Agent published an edition of the Task XV newsletter that included details about the Task XV extension.

5. WORK PLAN FOR THE PERIOD OCTOBER 2007 TO APRIL 2008

The following work is planned to be carried out over the next six months:

- complete not less than five new case studies of load control and smart metering projects and add them to the on-line case studies database;
- incorporate information from each of the new participating countries into second editions of the existing Task XV Research Reports;
- publish another edition of the Task XV Newsletter;
- add more descriptions of load control and smart metering technology products to the on-line database;
- complete the survey of currently available load control and smart metering technologies (Activity 6-1).

6. EXPERTS MEETING

One Experts meeting is planned to be held in connection with the Task XV extension. The location and timing of this meeting has not been settled, but it is likely to be held in one of the new participating countries.

7. FINANCIAL REPORT

7.1 Receipts

As at 13 September 2007, a full financial contribution has been received from India. New Zealand and South Africa are making arrangements to pay their financial contributions.

7.2 Expenditure

Table 1 (page 5) details the expenditure incurred from the commencement of the Task XV extension to 13 September 2007. Labour is charged in euros and converted to Australian dollars at the exchange rate applicable on the date of invoice payment. Other expenses are charged in the original currency in which the expense was incurred and converted to Australian dollars at the exchange rate applicable on the date of invoice payment.

To produce this statement, the Australian dollar amounts were converted back to euros at the exchange rates applicable on 13 September 2007. Consequently there are some minor discrepancies compared with the original currency amounts. These discrepancies are caused by movements in exchange rates since the invoices were paid.

Table 1. Expenditure on Task XV Extension		
Expense Item	AUD	EUR
Labour	20,227.22	12,223.05
Travel	2,931.66	1,771.37
Postage	-	-
Stationery	-	-
Bank charges	-	-
Total	23,158.88	13,994.42

The expenditure to date of EUR 13,994.42 is **19%** of the EUR 75,300 budget for the Task XV extension.

8. ISSUES TO BE CONSIDERED BY THE EXECUTIVE COMMITTEE

There are no issues requiring consideration by the ExCo.