



Task 21 Status Report

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IEA DSM EXCO meeting

Rigi, Switzerland 17-18 October 2013



Exco meeting in Helsinki, November 2012

The main results of the work were presented, including the highlights for:

- Experiences in countries with energy savings calculations for selected technologies and the usefulness of the template for documenting energy savings calculations;
- Summaries of findings for the selected technologies
- Harmonisation for energy savings calculations and key elements
- Guidelines for energy savings calculations
- Future development/improvements for harmonisation of energy savings calculations



Exco meeting in Utrecht, April 2013

The main reports were summarised:

- The Report on “Harmonisation for energy savings calculations” summarises the experiences we have gained with using the template during the project and for the selected technologies the key elements are presented for each of the country’s case application.
- The Report on “Guidelines for energy savings calculations” summarises existing approaches, terminology and key elements for energy savings calculations in use in monitoring and evaluation of energy savings programmes.
- The report on “Roadmaps for improved Harmonised Energy Savings Calculations” presenting ongoing harmonisation and potential ways forward



Potential topics for new subtasks, April 2013

Additional work within the IEA DSM Agreement could be

- in the area of develop **additional case applications** for selected additional technologies as input for the follow-up of the EU/ISO standardisation work,
- Use the EU MS descriptions for energy savings calculations for alternative measures in the EED and the USA experiences (UMP, NEEP and SEE Action) **for next steps in harmonisation** for documenting energy savings calculations in combination with needs in the Pacific regions
- Develop case applications and evaluations for **packages of Policies & Measures**



Work conducted

- The international standardisation organisation (ISO) is in the process of creating general standards on energy savings and energy savings calculations to be finalise end of 2013/early 2014
- In Europe the new EED results in uncertainty on future needs for energy savings calculations, but some work continue within the Concerted Action project.
- In the USA the Uniform Methods Project in combination with regional initiatives (NEEP and SEE Action) continues to improve future harmonisation; a workshop was attended ahead of the IEPEC conference in August and potential interest for new subtasks topics were discussed with US experts
- The work from Task 21 in combination ideas to use results from the Task on energy savings obligations and policy programs were presented International Energy Program Evaluation Conference in August.
- The Task flyer was updated, including references to the products/ reports available at the IEA DSM website



Work planned

- Continue to provide information to relevant stakeholders and update the information on the IEA DSM website and contribute to the Annual Report and to the Spotlights
- Continue to co-operate with the ISO work group “Definition of a methodological framework applicable to calculation and reporting on energy savings”
- Either prepare a draft work plan for new subtasks or
- start the preparation of the official closure of Task 21



Finance

By 1st September 2013 the expenditures were € 272,265

- for manpower € 222,732
- For project costs € 49,533

The project can be finalised within the budget.

A part of the budget was set aside for communication actions after finalisation of the subtasks and this budget is now in use.



A new subtask A: A tiered approach (1)

- Already in use in the UNFCCC climate reporting, based on IPCC guidelines
 - Tier 1: a general approach + default values
 - Tier 2: a general approach + country specific values
 - Tier 3: country specific methods + country specific values



A new subtask A: A tiered approach (2)

- Existing/new publications will be used
 - USA (UMP, SEED, NEEP etc)
 - Country methods for the EED
 - ?? South Africa, India, Pacific (Korea, New Zealand, Thailand), China
 - IPCC 2006 guidelines (energy section)
 - ISO
 - IPMVP/EVO
 - White certificate schemes

- Input from other subtasks, Tasks and other Implementing Agreements



A new subtask A: A tiered approach (4)

Example of a source:

ISO preferred order for the selection of the parameters and the formula to calculate unitary energy savings:

- internationally accepted formula;
- national accepted formula;
- literature sources;
- self developed and documented



A new subtask A: A tiered approach (3)

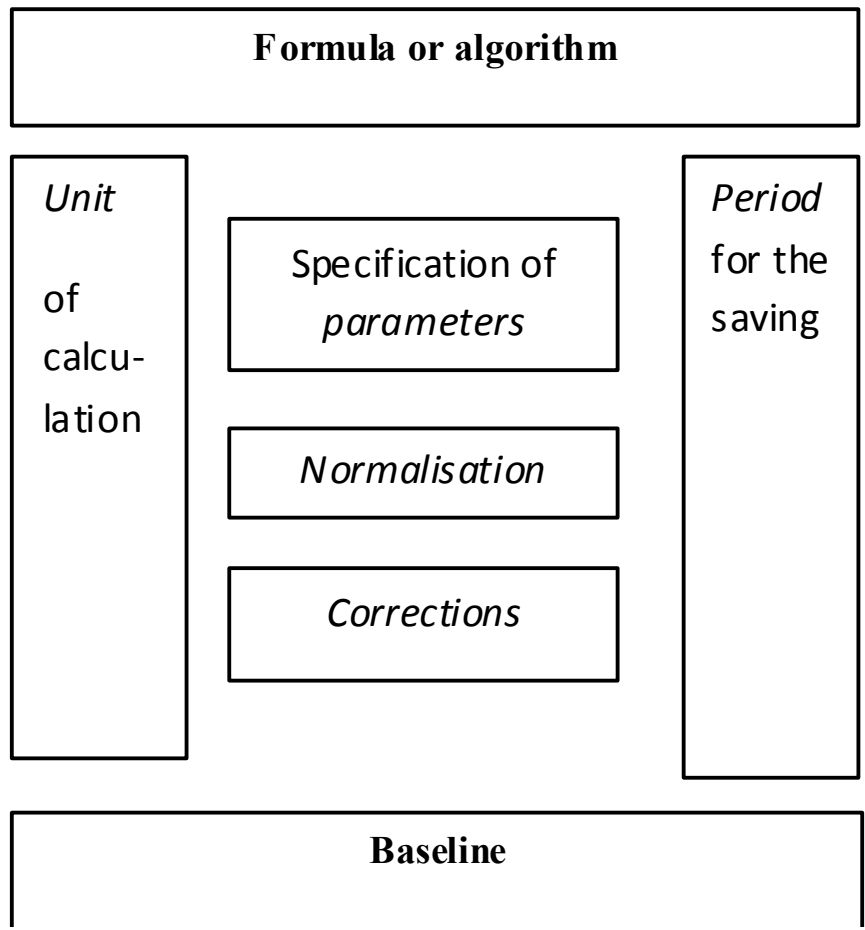
Organisation of the work:

- Preparation of discussion documents
- Experts discussion
- Discussion by open webinar(s)
- Workshop with experts for main actors (IPCC, IPMVP, DEO, EC etc)



A new subtask A: A tiered approach (5)

7 Building blocks for energy savings calculations





A new subtask B: Savings data for use (1)

- Database with
 - Savings data for technologies:
 - deemed,
 - defaults,
 - technical
 - Life times
 - Related to global regions
 - Links to (library) reports; (best practices?)
- Additional data inputs from practitioners



A new subtask B: Savings data for use (2)

- Existing/new publications from
 - Previous subtasks
 - Subtask A
 - Other input from experts
- Input from practitioners



A new subtask B: Savings data for use (3)

Example: Reporting rules under the EU Energy Efficiency Directive (EED):

- **deemed savings**, reference to the results of previous independently monitored energy improvements in similar installations; *'ex-ante'*;
- **metered savings**, recording the actual reduction in energy use; *'ex-post'*;
- **scaled savings**, engineering estimates of savings are used; only be used where establishing robust measured data for a specific installation is difficult or disproportionately expensive, or where they are carried out on the basis of nationally established methodologies and benchmarks by qualified or accredited experts that are independent of the obligated, participating or entrusted parties involved;
- **surveyed savings**, only be used for savings resulting from changes in consumer behaviour.



A new subtask C: case applications (1)

- Select the number and areas of the technologies
- Experts provision of Case applications using the template developed in previous subtasks
 - Improved template?
- Overview of general elements in the case applications for the same technologies
- Input of data to new subtask B
- Information for use in CEN/ISO standardisation work
- Link of case applications with IPMVP/EVO guidances



A new subtask D: Research for harmonisation Policies & Measures packages (1)

- Overview of existing P&M packages
- Selection of most relevant packages
- Experts provision of national report with descriptions of savings, using the (improved) template developed in previous subtasks
- Report on general elements in the energy savings calculations for P&M packages and potential next steps for harmonisation



A new subtask bis: Communication/outreach

- Presentations/presentation on selected conferences
- Webinars
 - To collect information
 - To distribute information
 - To increase market involvement
- Country workshops
- Task flyer
- Task reports
- Database



Potential subtasks

- Subtask A: A tiered approach, concentrating on methods (simple+general; country specific data; country specific detailed calculations and data)
- Subtask B: Savings data for use: deemed, defaults, technical savings data
- Subtask C: case applications for technologies
- Subtask D: Research for harmonisation P&M packages
- bis: Communication/outreach



Exco items

- To approve the status report
- To decide on two options:
 - › Preparations of new subtasks for decisions at the EXCO meeting April 2014 or
 - › The closure of Task 21



Thanks for attention

Questions, comments?