

UN/CEFACT Project Proposal

Reutilization of Data from Utility Management Systems

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1. Project Purposes

This project has two purposes:

- a. To define business requirements for collecting and distributing information coming from energy management systems such as building utility management system, home utility management system, electric vehicle supply system, battery storage management system and related business information models.
- b. To clarify business requirements to reuse data in common ways not only for energy market but also for the others markets. The data can be used for example for not only analyzing monthly consumption, saving energy, or lifting congestion but also applying them to other industries such as retailer's marketing or environmental planning. The basic concept is that data generated from the energy sector can be re-used by other industries.

2. Project Scope

The project scope is collection and distribution of administrative / commercial information regarding measured data for electricity which is transmitted from / to home management system, building management system, electric vehicle management system, and battery storage management system.

As the project deals with electricity related data, which also relates to activities in IEC/TC57, the scope will also include issues concerning harmonization of Core Components involving different standards organisations.

3. Project Deliverables

The project deliverables include:

- a. **A Business Requirements Specification (BRS)**
conformant with UN/CEFACT UMM 2.0
- b. **A Requirements Specification Mapping (RSM)**
including conceptual information model, using existing Aggregate Core Components (ACCs) and proposing ACCs; to be aligned with IEC CIM, according to the results of a Core Component harmonization process (to be agreed between UN/CEFACT and IEC) when it is available
- c. **Technical Guidelines for reusing persistent business information**
stored, for example, in a repository in response to a market request (could be included in part of BRS)

4. Exit Criteria

- a. A Business Requirements Specification (BRS)**
 - Completed BRS.
 - Public review and logs showing how comments have been addressed.
- b. A Requirements Specification Mapping (RSM) - core components**
 - Completed model and harmonised core components
 - Public review and logs showing how comments have been addressed
- c. Technical Guidelines for reusing persistent business information**
 - Completed document
 - Public review and logs showing how comments have been addressed.
- d. Participation**
 - The project will be withdrawn if the project lead determines that there are an insufficient number of experts participating.

5. Project Team Membership and Required Functional Expertise

The membership is open to experts with broad knowledge in the area of utility and/or e-business operation. In addition any Head of Delegation may invite technical experts from their constituency to participate in the work.

Experts are expected to contribute to the project solely on the basis of their competencies and to comply with the UN/CEFACT Code of Conduct and UN/CEFACT Intellectual Property Rights Policy.

6. UN/CEFACT Head of Delegation support

- Japan
- Netherlands
- France

7. Geographical Focus

The geographical focus is global.

8. Initial Contributions

This project will be provided with business entities from utility management system such as building utility management system, home energy management system, and electric vehicle (EV) Supply system defined in Japan.

9. Resource Requirements

Participants in the project shall provide resources for their own participation. The existence and functioning of the project shall not require any additional resources from the UN/ECE secretariat.

The project works on the resources of its members.

10. Project Leadership

Project Leader: Shingo Sakaguchi (Japan) (sakaguchi-sxb@zx.necst.nec.co.jp)

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11. Milestones

A project plan, documenting the objectives to be achieved, and showing the major products, milestones, activities and resources required on the project will be developed after acceptance of the project.

Project Stages	Expected Completion Dates
Project Inception	2013-07-31
Business Requirements Specification <ul style="list-style-type: none">Requirements gatheringDraft developmentPublic draft reviewPublicationReview for maintenance requirements	2013-09-30 2014-05-31 2014-08-31 2015-09-30 2016-09-30
Requirements Specification Mapping - core components <ul style="list-style-type: none">Requirements gatheringDraft developmentPublic draft reviewPublicationReview for maintenance requirements	2013-09-30 2014-05-31 2014-08-31 2015-09-30 2016-09-30
Technical Guidelines for reusing persistent business information <ul style="list-style-type: none">Draft developmentPublic draft reviewPublicationReview for maintenance requirements	2014-05-31 2014-08-31 2015-09-30 2016-09-30
Project Exit	2015-09-30