DECLARATION OF CONFORMITY

I, Marianne Funfrock, Power System Expertise Department engineer, hereby representing RTE, a company registered in France with registered offices at Versailles (corporate number 44461925800023), declare that conformity of the Application

Convergence
Version 4.4.0

has been tested against the requirements of the Common Grid Model Exchange Standard (CGMES) version 2.4.15.

The Application was tested on the basis of the CGMES Conformity Assessment Scheme version 1.1.0, which includes test procedure, test configurations/models and the documentation templates provided by the Assessment Body, in accordance with the section 5.1.1 of the CGMES Conformity Assessment Framework adopted on 11 April 2014.

I declare that the performed tests unambiguously demonstrated that the Application fulfils the requirements defined by the CGMES for the specific functionalities on which my company declares conformity, resulting in the following conformity levels:

Standard		Bronze
Profile	Equipment Boundary	Bronze
Profile	Topology Boundary	Bronze
Profile	Equipment core	Bronze
Profile	Equipment short circuit	n/a
Profile	Equipment operation	n/a
Profile	Topology	Bronze
Profile	Steady State Hypothesis	Bronze
Profile	State Variables	Bronze
Profile	Dynamics	n/a
Profile	Diagram Layout	n/a
Profile	Geographical Location	n/a
Function	Import	Bronze
Function	Export	Bronze
Function	Update and Repository	n/a
Function	Diagram Layout	n/a
Function	Geographical (GIS) location	n/a
Function	Load Flow (Node-breaker input representation)	n/a
Function	Load flow (Bus-branch input representation)	Bronze
Function	Dynamics	n/a
Function	Short circuit	n/a

Convergence is an application designed to perform load flow analyses.

Convergence is therefore designed:

- to support EQ_Core, SSH, TP and SV profiles: Convergence can import/export these profiles and perform load flow calculations

- to use EQ_BD and TP_BD profiles: Convergence can use these profiles in the context of import/export EQ_Core, SSH, TP and SV profiles but cannot import/export EQ_BD and TP_BD profiles alone

Current version of Convergence manages only bus-branch model representation.

Current version of Convergence does not handle difference file.

According to the CGMES function category matrix, Convergence shall be assessed on the following TUC:

Import function: 1, 9

Export function: 13, 21

Load flow (BB): 1, 9, 12, 13, 21, 25, 27, 29, 33, 37, 38, 39, 40, 42, 44, 45

Due to Convergence design:

- 1, 13, 25 cannot be assessed (import/export BD profiles alone)

- 27, 33 can be partially assessed (everything difference file excluding)

Consequently, Convergence shall be assessed on the following TUC:

9, 12, 21, 27 (partial), 29, 33 (partial), 37, 38, 39, 40, 42, 44, 45

Place, Date	Signature Representative **Erreur ! Source du renvoi introuvable.**
Versailles, 28/11/2014	

Conformity Levels Definition Applying for this Document

The following definitions apply for the conformity levels of the application. The complete list of test use cases referred to hereafter is defined in the "Test Procedures and Conformity Categories" document available on the ENTSO-E Conformity Assessment Website.

Standard category

The "Standard" category is the highest category, which measures the overall support of CGMES by an Application. The category has three grades:

- Gold (Full support) – shall be granted to an Application that passes all test use cases defined for CGMES conformity assessment;
- Silver (Support) – shall be granted to an Application that passes all test use cases marked as "Silver" and "Bronze" across all functions defined for CGMES conformity assessment;
- Bronze (Limited support) – shall be granted to an Application that passes all mandatory (marked with "Bronze") test use cases defined for at least one profile or function.

Profile category

The "Profile" category indicates which CGMES profiles are supported by an Application. The category has three grades:

- Gold (Full support) – shall be granted to an Application that passes all test use cases defined for the following CGMES function categories: Import and Export. The Application supports this profile in combination with other CGMES profiles supported by the Application;
- Silver (Support) – shall be granted to an Application that passes all test use cases defined for the following CGMES function categories: Import and Export;
- Bronze (Limited support) – shall be granted to an Application that passes all test use cases defined for the following CGMES function categories: Import or Export.

Function category

The "Function" category indicates the level of functional support of CGMES by an Application. The category has three grades:

- Gold (Full support) – shall be granted to an Application that passes all test use cases defined for a CGMES function for the profiles supported by the Application;
- Silver (Support) – shall be granted to an Application that passes all test use cases marked as "Silver" and "Bronze" for a CGMES function for the profiles supported by the Application;
- Bronze (Limited support) – shall be granted to an Application that passes all test use cases marked as "Bronze" for a CGMES function for the profiles supported by the Application.