

DECLARATION OF CONFORMITY

I, Ferdinando Parma, Electric Power System Engineer, hereby representing CESI S.p.A., a company registered in Italy with registered offices at Via R. Rubattino 54, I-20134 Milan, Italy (corporate number 00793580150 Registro Imprese di Milano), declare that conformity of the Application

WinCreso
Version 7.31.1

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 1.1.3, 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	Bronze

Comments:

1. WinCreso application was originally designed to perform load flow, short circuit, operational security and optimization analyses.
2. Since 2010 WinCreso has been gradually adapted to support CGMES data exchange concerning:
 - Import/export of the following profiles: EQ_BD, TP_BD, EQ_Core, TP_Core, SSH
 - Export of SV profile (import of SV is not supported, it is used only for results comparison)
3. Only CGMES data concerning WinCreso functionalities are managed
4. In particular, this version supports import/export of bus-branch model data exchanges, load-flow and short circuit functionalities. This Declaration of Conformity is limited to this functionalities
5. This version doesn't handle: node-breaker model exchanges, difference instance data, HVDC models
6. Declaration of Conformity for the not supported functionalities is planned in the new analysis application that is gradually substituting WinCreso
7. According to the CGMES Function Category Matrix, WinCreso should be assessed on the following TUC:
 - Function Category Load-Flow (Bus-Branch input representation. Note: Due to the application design to convert a complete dataset, single instance files cannot be imported):
 - Import function: 1 (bronze), 9 (bronze), 12 (bronze). [Note: Due to Application HMI constraints it's not possible to show and modify some of the imported data, in particular EQ, but only TP and SSH. Anyway all the data can be accessed in the SQL DB of WinCreso].
 - Export function: 13 (bronze), 21 (silver), 24 (silver) [Note: Before exporting a MAS in CGEMS format (even only EQ), it's required to run a load-flow].
 - Load-flow: 29 (bronze)
 - Function Category Short Circuit:
 - Perform short-circuit calculation (symmetrical): 30 (bronze) [Note: only Ik'' and Sk'' are calculated. Ip and Ib are not calculated]
8. Not assessed TUC related to other functionalities can be only partially performed due to incomplete implementation of all CGMES models and requirements:
 - Function Category Load-Flow (Bus-Branch input representation):
 - Manage model assembling: 33 (bronze)
 - Handle power transformer, tap changers and phase shift transformers: 37 (bronze)
 - Handle shunt compensators: 39 (bronze)
 - Function Category Short Circuit:
 - Import/Export of short circuit data: 9, 12, 21, 24 (bronze) [Note: Asymmetrical short-circuit data are not completely managed]
 - Perform short-circuit calculation (asymmetrical): 31 (silver)

Milan, 07/09/2015

Place, Date



Signature Representative

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.