

ATTESTATION OF CONFORMITY

Date of issue: 18 January 2024

Attestation number: [2024/01/001]

The European Network of Transmission System Operators for Electricity (ENTSO-E), hereby declares that, in accordance with the section 5.1.2 of the CGMES Conformity Assessment Framework v3.0, a second party assessment has been performed for the Application:

IPSA
Version 2.10.2

for which an Attestation of Conformity was sought by TNEI Services Ltd, a company registered in United Kingdom with registered offices at Bainbridge House, 86-90 London Road, M1 2PW, Manchester, United Kingdom (corporate number 03891836).

ENTSO-E declares that the Opinion Body issued a positive opinion on the Conformity of the Application (Declaration of Conformity 15 December 2023) with the requirements of the IEC 61970-600-1, and 61970-600-2, the Conformity Assessment Scheme version 3.0 and asked the Assessment Body to issue this Attestation of Conformity for the following CGMES conformity categories:

Profile:	<i>Inclusive</i>		<i>Individual</i>		<i>Difference</i>		Function:	
	<i>Import</i>	<i>Export</i>	<i>Import</i>	<i>Export</i>	<i>Import</i>	<i>Export</i>	<i>Import</i>	<i>Export</i>
Equipment Boundary	[n/e]	[n/e]	[n/e]	[n/e]	[n/e]	[n/e]	[n/e]	[n/e]
Core Equipment	Yes	Yes	Yes	Yes	No	No	Silver	Silver
Short circuit	[n/e]	[n/e]	[n/e]	[n/e]	[n/e]	[n/e]	[n/e]	[n/e]
Operation	[n/e]	[n/e]	[n/e]	[n/e]	[n/e]	[n/e]	[n/e]	[n/e]
Topology	Yes	Yes	Yes	Yes	n/a	n/a	Gold	Gold
Steady State Hypothesis	Yes	Yes	Yes	Yes	n/a	n/a	Gold	Gold
State Variables	Yes	Yes	Yes	Yes	n/a	n/a	Gold	Gold
Dynamics	[n/e]	[n/e]	[n/e]	[n/e]	[n/e]	[n/e]	[n/e]	[n/e]
Diagram Layout	Yes	Yes	Yes	Yes	n/a	n/a	Gold	Gold
Geographical Location	[n/e]	[n/e]	[n/e]	[n/e]	[n/e]	[n/e]	[n/e]	[n/e]
Function:								
Update and Repository							[n/e]	
Diagram Layout							[n/e]	
Geographical (GIS) location							[n/e]	
Topology processing							[n/e]	
Power flow (including topology processing)							Silver	
Short circuit							[n/e]	
Dynamics							[n/e]	

In accordance with the section 5.1.2.2 of the CGMES Conformity Assessment Framework, this Attestation of Conformity shall be valid for the full lifetime of this specific version of the Application, unless withdrawn in accordance with the procedure described in section 6.2 of the CGMES Conformity Assessment Framework.

For the avoidance of doubt, this Attestation of Conformity reflects the ENTSO-E opinion on the Conformity of the Application with the requirements of the IEC 61970-600-1 and IEC 61970-600-2, but cannot be regarded as granting any right or obligation of any kind towards third parties.

Brussels, 23 January 2024

Place, Date

Sonya Twohig, Secretary General

Profile category

The “Profile” category indicates which CGMES profiles are supported by an Application in terms of import and export function. This category has the following three subcategories:

- Inclusive - indicates if the Application’s import or export operations per profile depend on the relationship between the imported/exported instance file and its dependent models.
 - n/e – the support for inclusive import or export operation is not evaluated for this profile.
 - Yes – the Application supports inclusive import or export operation for this profile. For instance, equipment (EQ) is included in an import or export operation together with equipment boundary (EQBD) if it is depending on it. For Application that supports individual import or export operation this indicates that the Application can import or export multiple instance files including instance files for a given profile, e.g. import or export of equipment (EQ) and topology (TP) at the same import or export operation.
 - No – the Application does not support inclusive import or export operation for this profile. Each instance file needs to be handled in separate import or export operation.
- Individual - indicates if the Application supports import or export of instance file of a given profile as an individual instance file without including the need to import or export dependent instance file in the same operation, e.g. steady state hypothesis (SSH) can be imported independently of the EQ. If the Application requires that EQ is imported previously in a separate operation, it still meets the requirement of an individual operation.
 - n/e – the support for individual import or export operation is not evaluated for this profile.
 - Yes – the Application supports individual import or export operation for this profile.
 - No – the Application does not support individual import or export operation for this profile. Each import or export operation needs to include the dependent model instance file in the same operation.
- Difference - indicates that the Application can import or export instance files of a given profile as a difference individual instance file. The import or export operation can be inclusive or individual, but the application shall support individual operation of the difference model.
 - n/a – the support of difference file is not applicable for this profile according to CGMES.
 - n/e – the support for difference import or export operation is not evaluated for this profile.
 - Yes – the Application supports difference import or export operation for this profile.
 - No - the Application does not support difference import or export operation for this profile.

Function category

The “Function” category indicates the level of functional support of IEC 61970-600-1 and 61970-600-2 by an Application. The category has three grades:

- Gold (Full support) – shall be granted to an Application that passes all TUC defined for a CGMES function for the profiles supported by the Application and required for the function.
- Silver (Support) – shall be granted to an Application that passes all TUC marked as “Silver” and “Bronze” for a CGMES function for the profiles supported by the Application and required for the function.
- Bronze (Limited support) – shall be granted to an Application that passes all TUC marked as “Bronze” for a CGMES function for the profiles supported by the Application and required for the function.
- n/e – the function is not evaluated.

Due to the dependency between supported profiles and Import/Export functions, the Import and Export function grades are granted per profile as follows:

- Gold (Full support) – shall be granted to an Application that supports **all three** import or export operation for a given profile: Inclusive, Individual and Difference. For TP, SSH, SV and DL Gold grade is granted if Inclusive and Individual are supported.
- Silver (Support) – shall be granted to an Application that supports **two** of the following import or export operation for a given profile: Inclusive, Individual and Difference. For TP, SSH, SV and DL Silver grade is not applicable
- Bronze (Limited support) – shall be granted to an Application that supports **at least one** of the following import or export operation for a given profile: Inclusive, Individual and Difference.
- n/e – the function is not evaluated.