# DECLARATION OF CONFORMITY

I, Åsa Groth, Director Product Management, hereby representing ABB AB Enterprise Software, SE-72182 Västerås, Sweden (corporate number: SE 556029-7029), declare that conformity of the Application

**Network Manager (NM)**
**Version 9.0**

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

Västerås, 2016-07-13

Place, date

Signature Representative
Director Product Management, Åsa Groth

Senior Vice President, Guido Daniels

# 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.