

## Overview of Conformity Assessment documentation types

EN-50463

Phase	Document name	Issuing party	Goal of the document	Which device, combination of devices, TUT is tested / assessed
Assessment / Certification of components	Device conformity assessment documentation	Device NoBo	The documentation assures that the device is built and tested according to the standard.	Energy meter, communication device, voltage and current sensors, cables, each separately certified
	Calibration certificates	Device NoBo	The documentation assures that the device measures energy consumption accurately.	Calibration certificates for the «energy calculation function» system components (e.g. energy meter). These must include the date on which the validity of the calibration expires.
Assessment of EMS (components) integration	Integration design review report	EMS NoBo	The integration design review demonstrates that all the devices are able to be brought together and when integrated together provide the intended functionality	Combination of specific devices (specific meter + specific communication device + specific sensors)
	Integration type test report	EMS NoBo	The integration type test demonstrates that all the devices when integrated together are functioning as intended.	Combination of specific devices (specific meter + specific communication device + specific sensors)
Assessment of EMS installation in the vehicle	Installation design review report	EMS NoBo	The installation design review assesses the compatibility between an EMS of a specific equipment type and a traction unit type, so the EMS works when installed on board of specific traction unit type.	Combination of specific devices + specific traction unit type
	Installation type test report	EMS NoBo	The installation type test demonstrates that the EMS when installed on board on a specimen representative of the traction unit type, is functioning as intended.	Combination of specific devices + specific traction unit type
	EMS routine test report	Installer of EMS on board	The installation routine test demonstrates that the type tested EMS functionality is ensured for each installation on traction units of the same type.	Each traction unit