



PRESS RELEASE

ASSURED PROJECT: STANDARDISATION OF E-BUS CHARGING ONE STEP CLOSER

[ASSURED](#), the project co-funded by the European Commission (EC) to promote the electrification of urban transport vehicles, has released a new report enabling e-bus interoperability testing - bringing the standardisation of e-bus charging one step closer.

The electric bus market is booming, and the shift from demonstrations and pilots to real large-scale fleet deployment has started.

A key factor to ensure the success of e-fleet upscaling is the **interoperability of the vehicle and the charging unit**, as this will simplify the tendering and implementation of the charging infrastructure.

To achieve effective interoperability, standardisation of the charging infrastructure and high-quality conformance testing are essential.

The efforts to reach full standardisation of e-bus charging infrastructure are heavily underway.

To support these efforts, the **ASSURED project** has released a report called "**ASSURED 1.0 Interoperability Reference**" that will enable interoperability and conformance testing.

The **ASSURED 1.0 Interoperability Reference** has been developed specifically for the ASSURED project and is targeted at charging infrastructure suppliers and e-bus manufacturers.

The report includes the most common automated fast charging solutions in the market, and aims to fill the gaps between already available draft standards.

A major achievement is that the ASSURED 1.0 Interoperability Reference will be subject to a standard test protocol to prove interoperability with different brands of e-buses and chargers.

"The ASSURED 1.0 Interoperability Reference has originally been prepared for the ASSURED project's needs, but it can also be utilised in implementations by municipalities, public transport authorities, original equipment manufacturers or public transport operators alike, to ensure that interoperability can be tested until standardisation as set by the European Commission is fully finalised."

Marko Paakkinen, Senior Scientist at VTT Technical Research Centre of Finland

The upcoming tests will start by the end of this year and results will be **ready by June 2020**. This is expected to increase acceptance by the industry as such a decisive verification tool will finally **make interoperability measurable**.

The report is a continuation of the European Committee for Standardisation and the European Committee for Electrotechnical Standardisation (CEN-CENELEC) recommendation for e-bus standardisation, previously coordinated by the [UITP](#), International Association of Public Transport. Until the EC's standard for electric buses and charging infrastructure is officially published, the ASSURED report can serve as a bridging document.

The ASSURED 1.0 Interoperability Reference has been developed within the boundaries of the project research activities and in close cooperation with the ASSURED project partners. The report is available via the ASSURED [website](#).

About the ASSURED project

Coordinated by the Vrije Universiteit Brussel (VUB) and co-financed by the European Union under the H2020 research programme, ASSURED will promote the electrification of urban transport vehicles by using advanced fast charging solutions. The project consortium counts 39 members from 12 countries that include practitioners from across the entire value chain. Starting in October 2017, ASSURED will run until September 2021. The project has a budget of €23.64 million, €18.65 million of which is provided by the EU.



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