



Call to Industrial Partners

Task 53 is now open to industrial partners worldwide, regardless of their country's status as one of the 19 full members of EV TCP. This task requires a fee, which is determined based on three criteria:

- Profit vs. non-profit organization
- Turnover-size (four categories)
- Domicile within or outside partner Countries (level of discount).

The fee will be invoiced annually over the project duration (2024 - 2028), regardless of the date of joining Task 53. Thanks to the support from the Swiss Federal Office of Energy (SFOE) and the partner countries, the financial participation is reduced by 60% for companies domiciled in one of the partner countries. Depending on the expected level of own contributions to the tasks objectives and action items, industry partners will be assigned to one of the following categories:

- Test-company: Vehicle OEMs, EVSE manufacturers, DSOs
- Enabler: Labs, software solution providers, aggregators, test equipment suppliers, key component suppliers, standard organizations, etc.
- Expert: Universities, consultants, fleet operators, specialized media, etc.

Each company must designate a responsible person and an alternate expert.

Task 53 ("INBID") will be completed by the end of 2028.



What makes INBID special?

- a) **Bidirectional Charging:** INBID focuses on bidirectional charging to enable grid-friendly operations of EVs (V2G).
- b) **Worldwide Multiparty Interoperability:** Enabling worldwide multi-party interoperability of Bidirectional Charging backed by the International Energy Agency (IEA) and administered by Switzerland.
- c) **ISO15118-2X Protocol:** INBID emphasizes the "ISO15118-2X" protocol, including Distributed Energy Resources (DER) requirements, regardless of connector type. This includes collaboration with non-CCS connectors such as NACS, GB/T, and CHAdeMO.
- d) **Inductive Charging:** Inductive bidirectional charging is included for testing, with significant interest from industry representatives.
- e) **Multiparty Interoperability Testing:** Multiparty interoperability tests will involve various OEMs from different countries, including India and Japan, that will be invited as "limited sponsors" despite not being EV TCP members.
- f) **EU Participation:** The EU's Directorate-General for Mobility and Transport (DG-Move) joined INBID as a task member, a first of its kind.
- g) **DSO Involvement:** Several DSOs will actively participate in Task 53, ensuring perspectives on grid codes implementation.
- h) **Conformance Testing:** In Europe, conformance tests will be conducted at the official EU lab in Ispira, including a climatic chamber, focusing on DC and AC three-phase systems. In the Argonne National Laboratory, the focus will be on DC and AC mono-phase systems.

Switzerland, as the proposing country, will cover one-third of the organization's cost.



Benefits

- a) **Reduced overall-cost** and accelerated timing for getting a truly multiparty interoperable global solution for bidirectional charging for a truly applicable V2G.
- b) **Totally free/highly discounted access-fees to labs** such as JRC-Ispra, Argonne National Laboratory, Elaad, Dekra, KERI, and GIL .
- c) **Access to exclusive annual meetings and four workshops** (first one in spring 2025 in Ispra at the JRC-Laboratory, the second one in Brugg, Switzerland).
- d) **Direct access to an international and diversified knowledge pool** of V2G experts.
- e) **Exchange with V2G-relevant policy makers** through the EV TCP country partners (including EU in terms of Directorate-General).
- f) **Opportunity to contribute, co-formulate and therefore influence** the outcomes (truly harmonized protocol implementation).
- g) **Visibility in the Task 53 communication** (logo/citation on Task 53 website and documents/presentations).

Fees

Fee for industry partners (invoiced in installments over the duration of Task 53 (2024-2028), VAT to be added)

Turnover	total over the duration of Task 53
0 – 2 Mio €	16'000 €
2 – 20 Mio €	32'000 €
20 – 200 Mio €	80'000 €
over 200 Mio €	200'000 €

DSOs can contribute up to 50 % in kind.



Countries

To this date all EV TCP Member Countries have joined Task 53: Austria, Belgium, Canada, China, Denmark, Finland, France, Germany, Ireland, Italy, Luxembourg, Norway, Republic of Korea, Spain, Sweden, Switzerland, the United Kingdom, and the United States.

In addition, the European Union (Directorate-General for Research and Innovation – Directorate C – Clean Planet C.3 – Clean Transport Transitions) is partner and supports Task 53.

Interested?

Join us in making bidirectional charging multiparty interoperable!

Companies, universities, and institutions, regardless of their country's status, are invited to join the effort to make bidirectional charging multiparty interoperable by becoming industry partners.

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