

# Registration of URN namespace

Formal Request for EIC

Reference: [RFC 8141](#)

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## Registration Request

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1. **Namespace Identifier:**

- Formal request
- urn:eic:<code\_itself>

2. **Version:** 1

3. **Date:**2021-09-01

4. **Registrant:**

- Organization:
  - Name: European Network of Transmission System Operators for Electricity (ENTSO-E)
  - Statute: The association is established according to Regulation (EC) No 714/2009 and could be a reason for applying “fast-track registration procedure” according to RFC 8141
  - Address: Rue de Spa 8, 1000 Brussels, Belgium
  - Website: [www.entsoe.eu](http://www.entsoe.eu)
- Designated Contact:
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## 5. Purpose:

The need for EIC to be registered as urn:

Reference data and data exchanges are adapting semantic web technologies like RDF and SHACL, thus it has been identified that registering EIC as a valid urn would considerably ease the transition process, allowing concrete and concise way to use those ID-s for rdf:ID or rdf:about etc. thus being able to comply with semantic web and linked data principles.

The need for EIC:

Electronic data interchange (EDI) in the European energy market requires a common identification scheme to be effective. EIC Participants (traders, producers, qualified consumers, etc.) have the possibility to act in different market areas. System operators have to exchange information amongst themselves as well as with other EIC Participants. In addition, there are many other objects that require identification for information interchange to be successful (tie lines, resource objects, etc.). In order to provide such functionality a reliable identification scheme is a necessity. The non-exhaustive list of objects that need to be identified are:

- System operators, traders, producers, consumers, power exchanges, grid operators, suppliers, agents, service providers, etc.
- Local grids where metering points are situated, market balance areas consisting of a number of local grids, control areas, etc.
- Cross border connections, metering points, settlement or accounting points, etc.
- Any object that generates, or consumes energy.
- The physical lines that connect adjacent market (balance) areas or internal lines within an area.
- The physical or logical places where an identified object or the IT system of an identified object is or could be located.
- Substations for electrical nodes (stations, passive nodes, etc.).

Additional details described in Section 1. of THE ENERGY IDENTIFICATION CODING SCHEME (EIC) REFERENCE MANUAL VERSION 5.3 (see section 11 for the document)

## 6. Syntax:

Described in Section 5 of THE ENERGY IDENTIFICATION CODING SCHEME (EIC) REFERENCE MANUAL VERSION 5.3 (see section 11 for the document)

7. **Assignment:**

Described in Section 3. of THE ENERGY IDENTIFICATION CODING SCHEME (EIC) REFERENCE MANUAL VERSION 5.3 (see section 11 for the document)

8. **Security and Privacy:**

There are no security and privacy matters identified as the EIC codes are public data, unless issued to Natural Person. The issued codes are publicly available here:

<https://www.entsoe.eu/data/energy-identification-codes-eic/eic-approved-codes/>

9. **Interoperability:**

No interoperability issues are known at this stage.

10. **Resolution:**

No resolution service available at this stage.

11. **Documentation:**

EIC documentation - [https://eepublicdownloads.entsoe.eu/clean-documents/EDI/Library/old-downloads/EIC\\_Reference\\_Manual.pdf](https://eepublicdownloads.entsoe.eu/clean-documents/EDI/Library/old-downloads/EIC_Reference_Manual.pdf)

12. **Additional Information:**

Described in [Section 6.4.7](#) of this document.

- List of CIO issued codes - <https://www.entsoe.eu/data/energy-identification-codes-eic/eic-approved-codes/>
- Other relevant information - <http://www.eiccodes.eu/>

13. **Revision Information:**

Not applicable