
Erex MaDaS

A Masterdata management system



History

In recent years UIC IRS 90930 Working Group has had a lot of discussions surrounding Masterdata



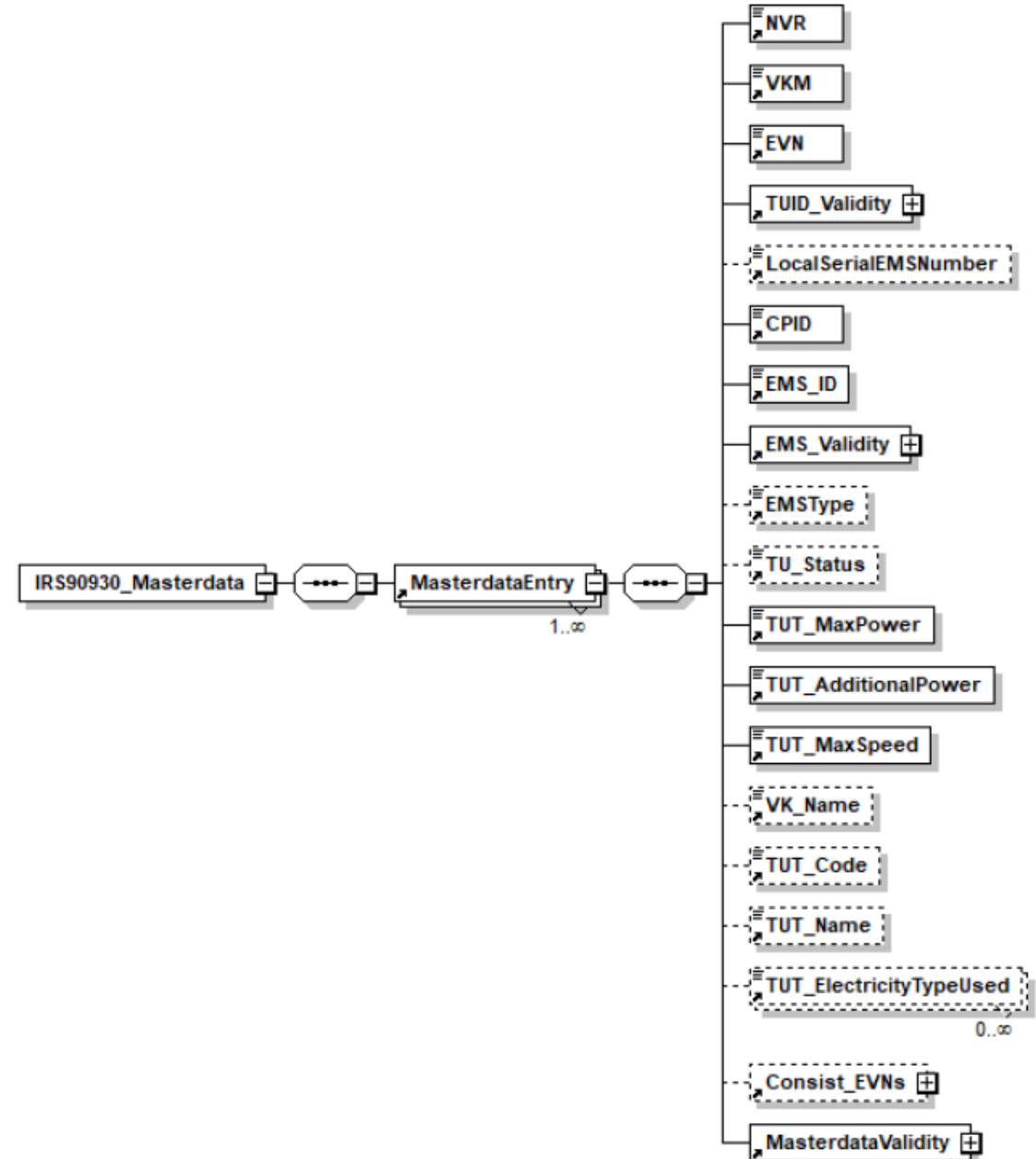
What is Masterdata?

Masterdata as defined by UIC IRS 90930:

Categorical data.

For our purposes: Information about electrical **Traction Units** and their **Consumption Points**.

Masterdata is needed as a base, to receive metered energy from Consumption Points into Exchange- and Settlement systems.



A new service



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Vision

- Establish a single, reliable source for masterdata in Europe for all traction units that use electricity
- MaDaS will offer a solution for both, existing Erex partners and external masterdata stakeholders.
- The ambition is to be the most reliable and updated source of masterdata for Infrastructure Managers, RUs and Vehicle Keepers in Europe.



Goals

What do we want to achieve?

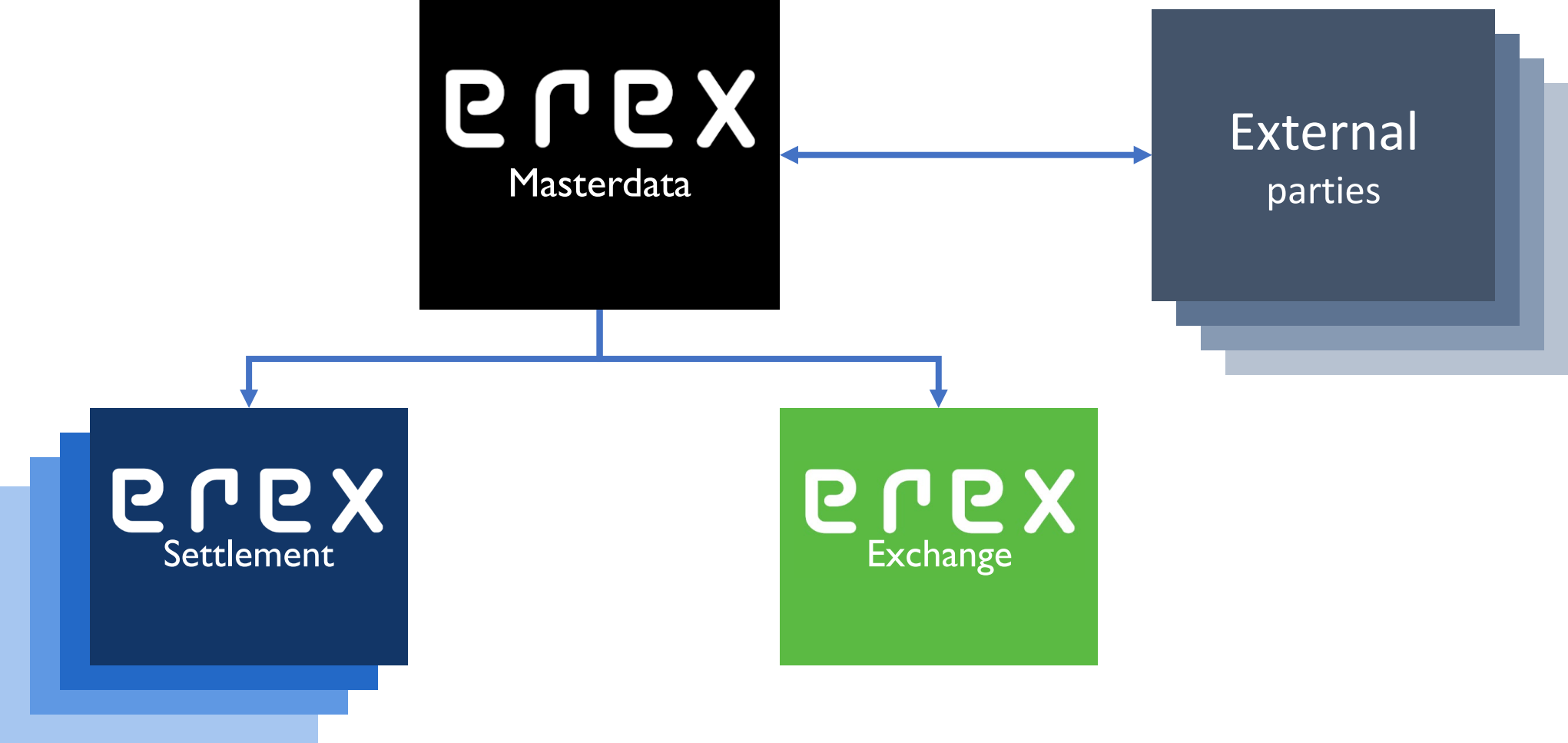
- Avoid double work and non-consistent masterdata across borders in Europe
- Secure higher data quality, confidentiality, integrity and availability
- Overall cost reduction for all parties involved – one solution instead of many
- Collaborate to create a European hub, that would be beneficial for all existing and future parties involved

Benefits

Why do you need MaDas?

- Stakeholders get a Single Point of Contact for the entire lifecycle of masterdata
- It's a flexible solution for Eress-Partners and external stakeholders of masterdata
- Cost reduction due to high efficiency and avoid of double work, when using one system instead of many
- Cross acceptance and interoperability with a reliable and established system

Making a central database for Masterdata



The Project

The MaDaS Project started in 2024.

Organised with a steering group and reference group, both with representatives from Eress Partners.

The Eress Administration worked as Architects for MaDaS, and development is done by Bouvet.

Working along with developing sector agreements.

First deploy to production will happen in second half of 2026.

Focus of the first delivery has been to get core functionality of the system up and running.



Further developments

Interoperability functions – make documentation available between Infrastructure Managers

- Such as Type test-, routine installation test- and conformity assessment documentation

Collaboration with Vehicle Keepers and Railway Undertakings.

Developments are dependent on discussions in UIC IRS 90930 Working Group.