Proposed Parameters from RFP to be added to ERA Ontology

**Problem setting**

As part of RNE’s work supporting the IMs digitalising their network statement, RNE has been contracted to study, define and propose additional infrastructure parameters which would be needed for RINF to effectively cover the nature of the infrastructure part of the Rail-Facilities-Portal. After comparison between the parameters of the RFP with those of the RINF Register of Infrastructure and ERA Vocabulary, RNE proposed the following parameters to enrich ERA Ontology and as inputs for future developments of the RINF application.

**Proposed solution**

**Classes**

**Service Facility**

Has super-classes: **Operational Point**

Description: A Service Facility is a facility that offers services to trains, primarily maintenance, loading, and refuelling.

Regulation: n/a

In domain of: **Facility Type**, **Facility Owner**

In range of:

**Object-Properties**

**Facility Owner**

Has domain: **Service Facility**

Has range: ***org:Organization***

Description: The owner of the service facility.

Regulation: n/a

**Data-Properties**

**Facility Type**

Has domain: **Service Facility**

Has range: *Integer*

Description: A type of Service Facility, identified by a number. The possible values are:

1 = Passenger station

2 = Intermodal terminal

3 = Multifunctional rail terminal

4 = Public siding

5 = Private siding

6 = Marshalling yard

7 = Storage siding

8 = Maintenance facility

9 = Other technical facility

10 = Relief facility

11 = Refueling facility

12 = Mobile service provider

Regulation: n/a