

# PROPOSED PARAMETERS FROM RFP TO BE ADDED TO ERA ONTOLOGY

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## 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

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#### 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:

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### Object-Properties

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#### Facility Owner

Has domain: **Service Facility**

Has range: **org:Organization**

Description: The owner of the service facility.

Regulation: n/a

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## Data-Properties

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### 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

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