















































| PREFIX   | IRI   |
|----------|---|
| bag      | <a href="http://www.ontologydesignpatterns.org/cp/owl/bag.owl#">http://www.ontologydesignpatterns.org/cp/owl/bag.owl#</a>                 |
| dul      | <a href="http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#">http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#</a>               |
| list     | <a href="http://www.ontologydesignpatterns.org/cp/owl/list.owl#">http://www.ontologydesignpatterns.org/cp/owl/list.owl#</a>               |
| owl      | <a href="http://www.w3.org/2002/07/owl#">http://www.w3.org/2002/07/owl#</a>   |
| prov     | <a href="http://www.w3.org/ns/prov#">http://www.w3.org/ns/prov#</a>   |
| rdf      | <a href="http://www.w3.org/1999/02/22-rdf-syntax-ns#">http://www.w3.org/1999/02/22-rdf-syntax-ns#</a>                                     |
| rdfs     | <a href="http://www.w3.org/2000/01/rdf-schema#">http://www.w3.org/2000/01/rdf-schema#</a>   |
| rst_cons | <a href="http://cdm.ovh/rsm/rolling_stock/consist/RollingStockConsist#">http://cdm.ovh/rsm/rolling_stock/consist/RollingStockConsist#</a> |
| rst_typ  | <a href="http://cdm.ovh/rsm/rolling_stock/typology/typology#">http://cdm.ovh/rsm/rolling_stock/typology/typology#</a>                     |
| skos     | <a href="http://www.w3.org/2004/02/skos/core#">http://www.w3.org/2004/02/skos/core#</a>   |
| taf      | <a href="http://data.europa.eu/949/">http://data.europa.eu/949/</a>   |
| tafp5    | <a href="https://cdm.ovh/taf/tafp5#">https://cdm.ovh/taf/tafp5#</a>   |
| time     | <a href="http://www.w3.org/2006/time#">http://www.w3.org/2006/time#</a>   |
| xml      | <a href="http://www.w3.org/XML/1998/namespace">http://www.w3.org/XML/1998/namespace</a>   |
| xsd      | <a href="http://www.w3.org/2001/XMLSchema#">http://www.w3.org/2001/XMLSchema#</a>   |

| ENTITY  | FUNCT | INVERSE<br>FUNCT | TRANS | REFL | IRREFL | SYMM | ASYMM |
|---|-------|------------------|-------|------|--------|------|-------|
| <a href="http://www.ontologydesignpatterns.org/cp/owl/bag.owl#hasItem">http://www.ontologydesignpatterns.org/cp/owl/bag.owl#hasItem</a>                   |       |                  |       |      |        |      |       |
| <a href="http://www.ontologydesignpatterns.org/cp/owl/list.owl#nextItem">http://www.ontologydesignpatterns.org/cp/owl/list.owl#nextItem</a>               |       |                  |       |      |        |      |       |
| <a href="http://www.ontologydesignpatterns.org/cp/owl/list.owl#previousItem">http://www.ontologydesignpatterns.org/cp/owl/list.owl#previousItem</a>       |       |                  |       |      |        |      |       |
| <a href="http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#hasLocation">http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#hasLocation</a>         |       |                  |       |      |        |      |       |
| <a href="http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#hasTimeInterval">http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#hasTimeInterval</a> |       |                  |       |      |        |      |       |
| <a href="http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#isClassifiedBy">http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#isClassifiedBy</a>   |       |                  |       |      |        |      |       |
| <a href="http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#isLocationOf">http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#isLocationOf</a>       |       |                  |       |      |        |      |       |
| <a href="http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#isSettingFor">http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#isSettingFor</a>       |       |                  |       |      |        |      |       |
| <a href="http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#playsRole">http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#playsRole</a>             |       |                  |       |      |        |      |       |
| <a href="http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#realizes">http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#realizes</a>               |       |                  |       |      |        |      |       |
| <a href="http://www.w3.org/2004/02/skos/core#inScheme">http://www.w3.org/2004/02/skos/core#inScheme</a>   |       |                  |       |      |        |      |       |
| <a href="http://www.w3.org/2006/time#inXSDDateTime">http://www.w3.org/2006/time#inXSDDateTime</a>   |       |                  |       |      |        |      |       |
| <a href="http://www.w3.org/ns/prov#generatedAtTime">http://www.w3.org/ns/prov#generatedAtTime</a>   |       |                  |       |      |        |      |       |
| <a href="http://www.w3.org/ns/prov#invalidatedAtTime">http://www.w3.org/ns/prov#invalidatedAtTime</a>   |       |                  |       |      |        |      |       |
| <a href="http://www.w3.org/ns/prov#wasAttributedTo">http://www.w3.org/ns/prov#wasAttributedTo</a>   |       |                  |       |      |        |      |       |
| ENTITY  | FUNCT | INVERSE<br>FUNCT | TRANS | REFL | IRREFL | SYMM | ASYMM |

| ENTITY  | FUNCT | INVERSE<br>FUNCT | TRANS | REFL | IRREFL | SYMM | ASYMM |
|---|-------|------------------|-------|------|--------|------|-------|
| https://cdm.ovh/taf/tafp5#hasComment                  |       |                  |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#hasDepartureTime            | ✓     |                  |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#hasDesignation              |       |                  |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#hasDestination              | ✓     |                  |       |      |        |      |       |
| https://cdm.ovh/taf/<br>tafp5#hasFacilityFunction     |       |                  |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#hasFullText                 | ✓     |                  |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#hasJourney                  |       |                  |       |      |        |      |       |
| https://cdm.ovh/taf/<br>tafp5#hasJourneySchedule      |       |                  |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#hasJourneySection           |       | ✓                |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#hasMassInTons               | ✓     |                  |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#hasOTN                      |       |                  |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#hasOrigin                   | ✓     |                  |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#hasPayload                  |       |                  |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#hasPrimaryCode              | ✓     |                  |       |      |        |      |       |
| https://cdm.ovh/taf/<br>tafp5#hasReferenceObject      |       |                  |       |      |        |      |       |
| https://cdm.ovh/taf/<br>tafp5#hasSubsidiaryCode       | ✓     |                  |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#hasTimeExtent               |       |                  |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#hasTrainRunState            |       | ✓                |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#inJourneySchedule           |       |                  |       |      |        |      |       |
| https://cdm.ovh/taf/<br>tafp5#isOperationalLocationOf |       |                  |       |      |        |      |       |
| ENTITY  | FUNCT | INVERSE<br>FUNCT | TRANS | REFL | IRREFL | SYMM | ASYMM |



| ENTITY   | FUNCT | INVERSE<br>FUNCT | TRANS | REFL | IRREFL | SYMM | ASYMM |
|--|-------|------------------|-------|------|--------|------|-------|
| https://cdm.ovh/taf/tafp5#messageID                        | ✓     |                  |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#messageVersion                   |       |                  |       |      |        |      |       |
| https://cdm.ovh/taf/<br>tafp5#nextDescriptionVersion       | ✓     | ✓                |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#nextSection                      | ✓     | ✓                |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#playsFacilityRole                |       |                  |       |      |        |      |       |
| https://cdm.ovh/taf/<br>tafp5#playsOperationalRole         |       |                  |       |      |        |      |       |
| https://cdm.ovh/taf/<br>tafp5#previousDescriptionVersion   | ✓     | ✓                |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#previousSection                  | ✓     | ✓                |       |      |        |      |       |
| https://cdm.ovh/taf/<br>tafp5#realizesPlannedJourneyOrPath |       |                  |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#referenceOTN                     | ✓     |                  |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#reportedAt                       | ✓     |                  |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#reportedBy                       | ✓     |                  |       |      |        |      |       |
| https://cdm.ovh/taf/<br>tafp5#revisesDescriptionVersion    |       |                  |       |      |        |      | ✓     |
| https://cdm.ovh/taf/tafp5#sizeAndTypeCode                  | ✓     |                  |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#trainDepartureDate               | ✓     |                  |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#trainOperatingRU                 | ✓     |                  |       |      |        |      |       |
| https://cdm.ovh/taf/tafp5#uicWagonNumber                   | ✓     |                  |       |      |        |      |       |