





















































PREFIX	IRI
bag	http://www.ontologydesignpatterns.org/cp/owl/bag.owl#
dul	http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#
list	http://www.ontologydesignpatterns.org/cp/owl/list.owl#
org	http://www.w3.org/ns/org#
owl	http://www.w3.org/2002/07/owl#
prov	http://www.w3.org/ns/prov#
rdf	http://www.w3.org/1999/02/22-rdf-syntax-ns#
rdfs	http://www.w3.org/2000/01/rdf-schema#
regorg	http://www.w3.org/ns/regorg#
rst-cons	https://cdm.ovh/rst/cons/cons#
rst-typo	https://cdm.ovh/rst/typo/typo#
skos	http://www.w3.org/2004/02/skos/core#
taf	http://data.europa.eu/949/
time	http://www.w3.org/2006/time#
xml	http://www.w3.org/XML/1998/namespace
xsd	http://www.w3.org/2001/XMLSchema#

ENTITY	FUNCT	INVERSE FUNCT	TRANS	REFL	IRREFL	SYMM	ASYMM
http://www.ontologydesignpatterns.org/cp/owl/bag.owl#hasItem							
http://www.ontologydesignpatterns.org/cp/owl/list.owl#nextItem							
http://www.ontologydesignpatterns.org/cp/owl/list.owl#previousItem							
http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#hasLocation							
http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#hasPart							
http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#hasParticipant							
http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#hasSetting							
http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#hasTimeInterval							
http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#isClassifiedBy							
http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#isLocationOf							
http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#isSettingFor							
http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#playsRole							
http://www.ontologydesignpatterns.org/ont/dul/DUL.owl#realizes							
http://www.w3.org/2004/02/skos/core#inScheme							
ENTITY	FUNCT	INVERSE FUNCT	TRANS	REFL	IRREFL	SYMM	ASYMM

ENTITY	FUNCT	INVERSE FUNCT	TRANS	REFL	IRREFL	SYMM	ASYMM
https://cdm.ovh/taf/tafp5#asWKT	✓						
https://cdm.ovh/taf/ tafp5#atOperationalLocation							
https://cdm.ovh/taf/tafp5#atTime							
https://cdm.ovh/taf/ tafp5#compositionValidationPassed	✓						
https://cdm.ovh/taf/tafp5#createdAt							
https://cdm.ovh/taf/tafp5#effectiveFrom							
https://cdm.ovh/taf/tafp5#effectiveUntil							
https://cdm.ovh/taf/tafp5#hasArrivalTime							
https://cdm.ovh/taf/tafp5#hasBICCode	✓						
https://cdm.ovh/taf/tafp5#hasBeginning	✓						
https://cdm.ovh/taf/tafp5#hasComment							
https://cdm.ovh/taf/tafp5#hasComposition	✓						
https://cdm.ovh/taf/tafp5#hasCustomsStatus							
https://cdm.ovh/taf/tafp5#hasDepartureTime							
https://cdm.ovh/taf/tafp5#hasDesignation							
https://cdm.ovh/taf/tafp5#hasDestination	✓						
https://cdm.ovh/taf/tafp5#hasEnd	✓						
https://cdm.ovh/taf/ tafp5#hasFacilityFunction							
https://cdm.ovh/taf/tafp5#hasFullText	✓						
https://cdm.ovh/taf/tafp5#hasILUcode	✓						
https://cdm.ovh/taf/tafp5#hasIM							
ENTITY	FUNCT	INVERSE FUNCT	TRANS	REFL	IRREFL	SYMM	ASYMM

ENTITY	FUNCT	INVERSE FUNCT	TRANS	REFL	IRREFL	SYMM	ASYMM
https://cdm.ovh/taf/ tafp5#hasJourneySchedule							
https://cdm.ovh/taf/tafp5#hasKemlerCode							
https://cdm.ovh/taf/ tafp5#hasLengthInMeters	✓						
https://cdm.ovh/taf/tafp5#hasMassInTons	✓						
https://cdm.ovh/taf/tafp5#hasOTN							
https://cdm.ovh/taf/ tafp5#hasOperationalInstant							
https://cdm.ovh/taf/ tafp5#hasOperationalInterval							
https://cdm.ovh/taf/ tafp5#hasOperationalLocation	✓						
https://cdm.ovh/taf/tafp5#hasOrigin	✓						
https://cdm.ovh/taf/tafp5#hasOtherCode							
https://cdm.ovh/taf/tafp5#hasParticipant							
https://cdm.ovh/taf/tafp5#hasPayload							
https://cdm.ovh/taf/ tafp5#hasPlannedJourney	✓						
https://cdm.ovh/taf/tafp5#hasPrimaryCode	✓						
https://cdm.ovh/taf/tafp5#hasRFIDIdentifier	✓						
https://cdm.ovh/taf/ tafp5#hasRID_UN_Number							
https://cdm.ovh/taf/tafp5#hasRID_class							
https://cdm.ovh/taf/tafp5#hasRU							
https://cdm.ovh/taf/							
ENTITY	FUNCT	INVERSE FUNCT	TRANS	REFL	IRREFL	SYMM	ASYMM

ENTITY	FUNCT	INVERSE FUNCT	TRANS	REFL	IRREFL	SYMM	ASYMM
https://cdm.ovh/taf/tafp5#hasSubProcess							
https://cdm.ovh/taf/ tafp5#hasSubsidiaryCode	✓						
https://cdm.ovh/taf/tafp5#hasTemporalRole							
https://cdm.ovh/taf/tafp5#hasTrain	✓						
https://cdm.ovh/taf/tafp5#hasTrainRunState		✓					
https://cdm.ovh/taf/tafp5#hasTrainState		✓					
https://cdm.ovh/taf/tafp5#inJourneySchedule							
https://cdm.ovh/taf/ tafp5#isOperationalLocationOf							
https://cdm.ovh/taf/tafp5#isStateOfTrainRun	✓						
https://cdm.ovh/taf/tafp5#isStationary	✓						
https://cdm.ovh/taf/tafp5#issuedAt	✓						
https://cdm.ovh/taf/tafp5#locationName							
https://cdm.ovh/taf/tafp5#messageID	✓						
https://cdm.ovh/taf/tafp5#messageVersion							
https://cdm.ovh/taf/tafp5#name	✓						
https://cdm.ovh/taf/ tafp5#nextDescriptionVersion	✓	✓					
https://cdm.ovh/taf/tafp5#nextSection	✓	✓					
https://cdm.ovh/taf/tafp5#playsFacilityRole							
https://cdm.ovh/taf/ tafp5#playsOperationalRole							
https://cdm.ovh/taf/ tafp5#previousDescriptionVersion	✓	✓					
ENTITY	FUNCT	INVERSE FUNCT	TRANS	REFL	IRREFL	SYMM	ASYMM

ENTITY	FUNCT	INVERSE FUNCT	TRANS	REFL	IRREFL	SYMM	ASYMM
https://cdm.ovh/taf/tafp5#reportedAt	✓						
https://cdm.ovh/taf/tafp5#reportedBy	✓						
https://cdm.ovh/taf/ tafp5#revisesDescriptionVersion							✓
https://cdm.ovh/taf/tafp5#sizeAndTypeCode	✓						
https://cdm.ovh/taf/tafp5#startsAtOrigin	✓						
https://cdm.ovh/taf/tafp5#stopsAtDestination	✓						
https://cdm.ovh/taf/tafp5#trainDepartureDate	✓						
https://cdm.ovh/taf/tafp5#trainLeadRU	✓						
https://cdm.ovh/taf/tafp5#uicWagonNumber	✓						