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| **EUROPEAN UNION AGENCY FOR RAILWAYS - INTEROPERABILITY UNIT** | | | |
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| **REFERENCE:** | | **DOCUMENT TYPE:** | **TAF TSI COMPLIANCE TEST REPORT – HERMES H30 Train Composition Message** |
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**EUROPEAN UNION AGENCY FOR RAILWAYS**

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# Scope

This document defines the testing process performed to evaluate the compliance of the train composition message exchanged between the Railway Undertakings (RUs) and Infrstructure Managers (IM) used by the HERMES users’ group GRU[[1]](#footnote-1) against the official TAF TSI data catalogue. (<http://www.era.europa.eu/Document-Register/Pages/Technical-Documents.aspx>).

# System Design

The HERMES GRU provided ERA in June 2018 with a set of XML (and supporting XSD data catalogue version 2.0) files containing TAF TSI Regulation’s Train Composition Message[[2]](#footnote-2) in order to enable ERA to perform this evaluation:

* H30XML\_2.0\_2016\_12\_15.xsd
* X30\_2\_5995\_201806111054.dat (XML file)
* X30\_2\_5997\_201806111059.dat (XML file)
* X30\_8\_1409\_201806071340.dat (XML file)
* X30\_8\_4074\_201803120830.dat (XML file)
* X30\_8\_4102\_201803122121.dat (XML file)
* X30\_8\_4108\_201803122243.dat (XML file)
* X30\_17\_143\_201804280749.dat (XML file)
* X30\_17\_907\_201805130228.dat (XML file)
* X30\_17\_922\_201805132344.dat (XML file) .

# Roles

The team of ERA in charge of the regulation TAF TSI has performed the tests and has documented the results of the test campaign. The HERMES GRU contributed at expert level (in dedicated mapping meetings) to ERA in the case of some technical or business process related questions.

As it was clear from the very beginning from ERA’s compliance check and mapping between TAF TSI data catalogue and the HERMES GRU message data catalogue XSD that – based on the different kind of their nature – both XSDs will not 100% overlap, a “compliance” approach was chosen to demonstrate HERMES GRU’s TAF compliance. Compliance in this case means that the TAF and HERMES GRU XSDs are different, however, the mandatory data elements and their contents do match.

# Test Cases

This section defines the link between the TAF TSI messages and the corresponding HERMES GU messages:

|  |  |
| --- | --- |
| **Message in TAF TSI** | **HERMES GRU message** |
| Train Composition message | X30\_2\_5995\_201806111054.dat |
| Train Composition message | X30\_2\_5997\_201806111059.dat |
| Train Composition message | X30\_8\_1409\_201806071340.dat |
| Train Composition message | X30\_8\_4074\_201803120830.dat |
| Train Composition message | X30\_8\_4102\_201803122121.dat |
| Train Composition message | X30\_8\_4108\_201803122243.dat |
| Train Composition message | X30\_17\_143\_201804280749.dat |
| Train Composition message | X30\_17\_907\_201805130228.dat |
| Train Composition message | X30\_17\_922\_201805132344.dat |

# In order to perform data and mapping analyses ERA has used Altova XML Spy 2016 and Altova Map Force 2016 tools.

# 5 Results

# 5.1 Train Composition message

# HERMES GRU XML messages are compliant against the TAF TSI data catalogue (see compliance explanation in chapter 3 above and mapping details in Annex 2).

# 

|  |  |
| --- | --- |
| Test results summary | |
| Test run on : | 10 July 2018 |
| Test result : | Passed |
| Test run by: | Nagyko |
| Test validated: | vargami |

# Conclusions

The tests performed by ERA based on agreement with HERMES GRU to validate the compliance of the Train Composition Messages messages delivered satisfactory results.

The HERMES GRU may therefore use the results of the assessment performed by ERA as a proof of the compliance of its own Train Composition Messages from above chapters 4 and 5 against the TAF TSI data catalogue.

# Additional recommendations

ERA recommends the HERMES GRU to migrate its Train Composition Messages to the Data Catalogue XSD version 2.0 in order to achieve TAF compliance accros its users’ community and to pave the way for the succesfull implementation of the TAF TSI Regulation.

# Annex 1 – HERMES GRU Train Running Message used for compliance testing

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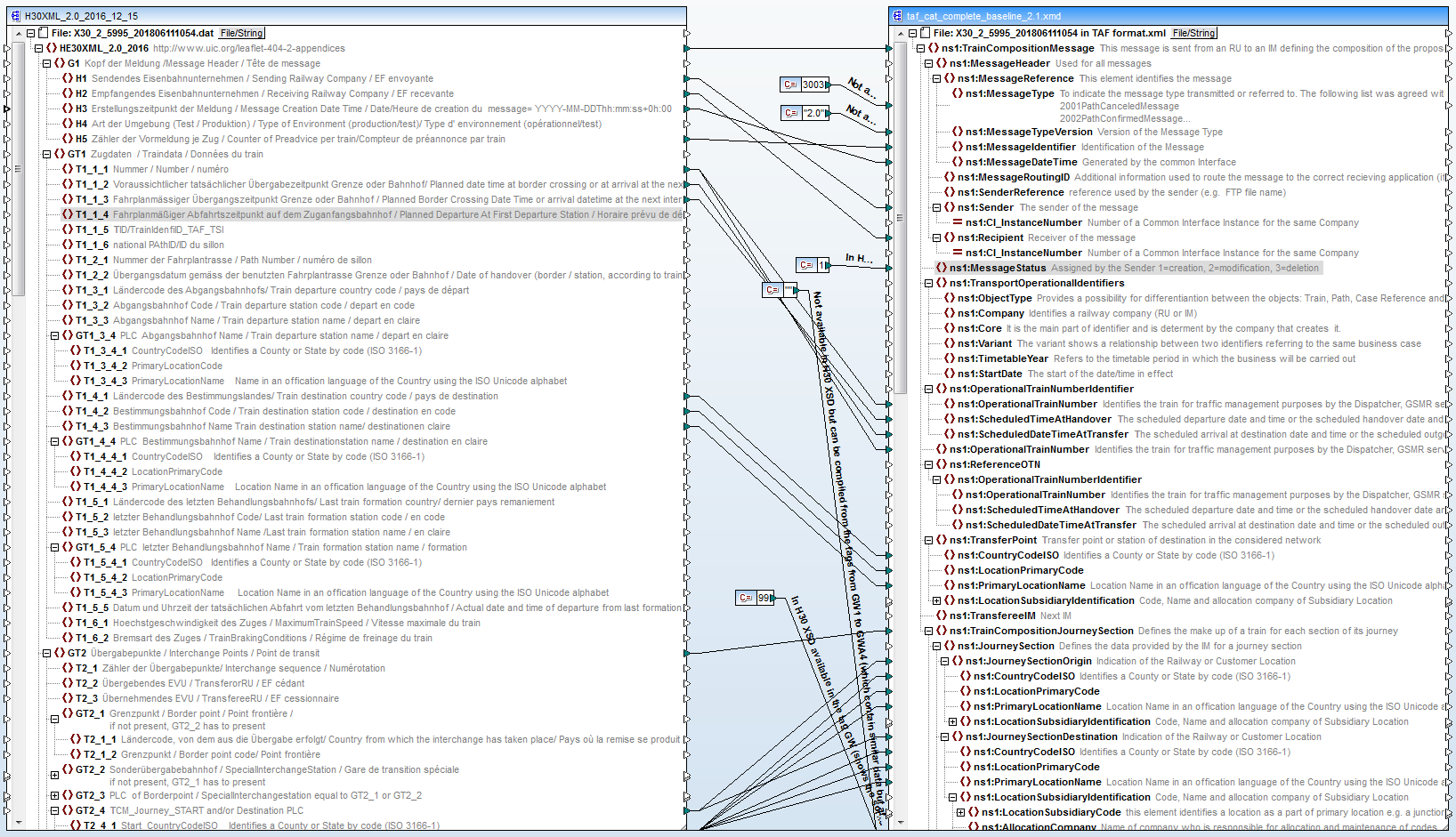
# Annex 2 – Detailed Mapping TAF XSD to HERMES GRU XSD

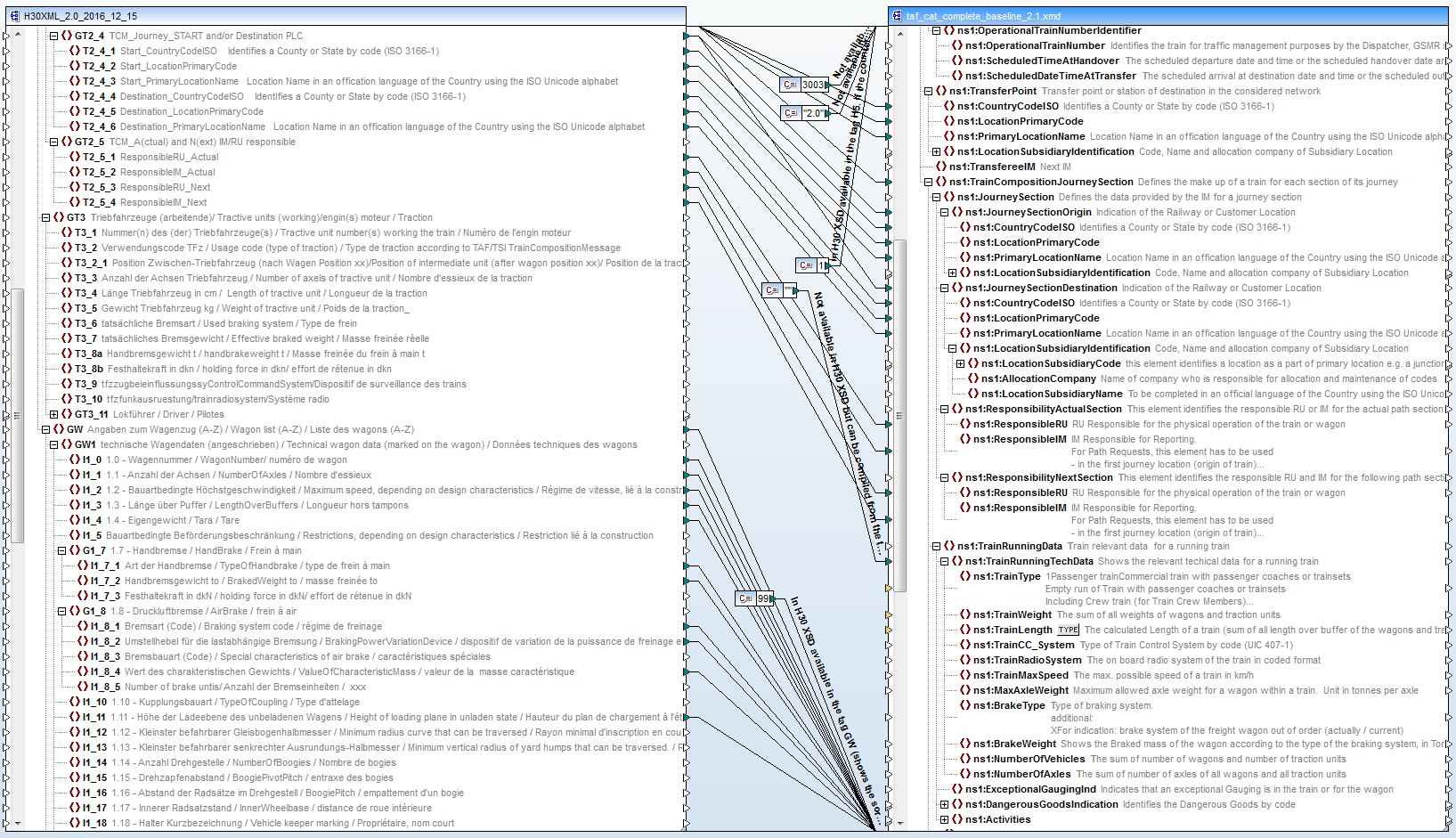
# Input H30XML\_2.0\_2016\_12\_15 [(H30XML\_2.0\_2016\_12\_15.xsd)](file:///\\era.eu.int\dfs\Units\Interoperability\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\H30XML_2.0_2016_12_15.xsd)

|  |  |
| --- | --- |
| **Nodes** | **Connections** |
| File: X30\_2\_5995\_201806111054.dat  Type: string |  |
| HE30XML\_2.0\_2016  Type: restriction of xs:anyType [0..1]  Annotation: http://www.uic.org/leaflet-404-2-appendices | |  |  | | --- | --- | | *direct* | [ns1:TrainCompositionMessage](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link4)  Type: restriction of xs:anyType [0..1]  Annotation: This message is sent from an RU to an IM defining the composition of the proposed train. | |
| HE30XML\_2.0\_2016/G1  Type: restriction of xs:anyType  Annotation: Kopf der Meldung /Message Header / Tête de message |  |
| HE30XML\_2.0\_2016/G1/H1  Type: restriction of xs:string  Annotation: Sendendes Eisenbahnunternehmen / Sending Railway Company / EF envoyante | |  |  | | --- | --- | | *direct* | [ns1:TrainCompositionMessage/ns1:MessageHeader/ns1:Sender](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link7)  Type: extension of ns1:CompanyCode  Annotation: The sender of the message | |
| HE30XML\_2.0\_2016/G1/H2  Type: restriction of xs:string  Annotation: Empfangendes Eisenbahnunternehmen / Receiving Railway Company / EF recevante | |  |  | | --- | --- | | *direct* | [ns1:TrainCompositionMessage/ns1:MessageHeader/ns1:Recipient](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link9)  Type: extension of ns1:CompanyCode  Annotation: Receiver of the message | |
| HE30XML\_2.0\_2016/G1/H3  Type: restriction of xs:dateTime  Annotation: Erstellungszeitpunkt der Meldung / Message Creation Date Time / Date/Heure de creation du message= YYYY-MM-DDThh:mm:ss+0h:00 | |  |  | | --- | --- | | *direct* | [.../ns1:MessageHeader/ns1:MessageReference/ns1:MessageDateTime](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#LinkB)  Type: xs:dateTime  Annotation: Generated by the common Interface | |
| HE30XML\_2.0\_2016/G1/H4  Type: restriction of xs:byte  Annotation: Art der Umgebung (Test / Produktion) / Type of Environment (production/test)/ Type d' environnement (opérationnel/test) |  |
| HE30XML\_2.0\_2016/G1/H5  Type: restriction of xs:short [0..1]  Annotation: Zähler der Vormeldung je Zug / Counter of Preadvice per train/Compteur de préannonce par train | |  |  | | --- | --- | | *direct* | [.../ns1:MessageHeader/ns1:MessageReference/ns1:MessageIdentifier](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#LinkE)  Type: ns1:FreeText  Annotation: Identification of the Message | |
| HE30XML\_2.0\_2016/GT1  Type: restriction of xs:anyType  Annotation: Zugdaten / Traindata / Données du train |  |
| HE30XML\_2.0\_2016/GT1/T1\_1\_1  Type: restriction of xs:string  Annotation: Nummer / Number / numéro | |  |  | | --- | --- | | *direct* | [ns1:TrainCompositionMessage/ns1:OperationalTrainNumberIdentifier/ns1:OperationalTrainNumber](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link11)  Type: ns1:String1-8  Annotation: Identifies the train for traffic management purposes by the Dispatcher, GSMR services, etc. | | *direct* | [ns1:TrainCompositionMessage/ns1:OperationalTrainNumber](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link12)  Type: ns1:String1-8  Annotation: Identifies the train for traffic management purposes by the Dispatcher, GSMR services, etc. | |
| HE30XML\_2.0\_2016/GT1/T1\_1\_2  Type: restriction of xs:dateTime  Annotation: Voraussichtlicher tatsächlicher Übergabezeitpunkt Grenze oder Bahnhof/ Planned date time at border crossing or at arrival at the next interchange station/ Date et heure réelle prévue du passage frontière = YYYY-MM-DDThh:mm:ss+0h:00 | |  |  | | --- | --- | | *direct* | [ns1:TrainCompositionMessage/ns1:OperationalTrainNumberIdentifier/ns1:ScheduledDateTimeAtTransfer](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link14)  Type: xs:dateTime [0..1]  Annotation: The scheduled arrival at destination date and time or the scheduled outgoing transfer date and time at the border between two different IMs. | |
| HE30XML\_2.0\_2016/GT1/T1\_1\_3  Type: restriction of xs:dateTime  Annotation: Fahrplanmässiger Übergangszeitpunkt Grenze oder Bahnhof / Planned Border Crossing Date Time or arrival datetime at the next interchange station / Heure théorique de passage à la frontière = YYYY-MM-DDThh:mm:ss+0h:00 | |  |  | | --- | --- | | *direct* | [ns1:TrainCompositionMessage/ns1:OperationalTrainNumberIdentifier/ns1:ScheduledTimeAtHandover](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link16)  Type: xs:dateTime [0..1]  Annotation: The scheduled departure date and time or the scheduled handover date and time at the border between two different IMs. | |
| HE30XML\_2.0\_2016/GT1/T1\_1\_4  Type: restriction of xs:dateTime  Annotation: Fahrplanmäßiger Abfahrtszeitpunkt auf dem Zuganfangsbahnhof / Planned Departure At First Departure Station / Horaire prévu de départ de la première gare de départ du train= YYYY-MM-DDThh:mm:ss+0h:00 |  |
| HE30XML\_2.0\_2016/GT1/T1\_1\_5  Type: restriction of xs:string [0..1]  Annotation: TID/TrainIdenfiID\_TAF\_TSI |  |
| HE30XML\_2.0\_2016/GT1/T1\_1\_6  Type: restriction of xs:string [0..99]  Annotation: national PAthID/ID du sillon |  |
| HE30XML\_2.0\_2016/GT1/T1\_2\_1  Type: restriction of xs:string [0..1]  Annotation: Nummer der Fahrplantrasse / Path Number / numéro de sillon |  |
| HE30XML\_2.0\_2016/GT1/T1\_2\_2  Type: restriction of xs:date [0..1]  Annotation: Übergangsdatum gemäss der benutzten Fahrplantrasse Grenze oder Bahnhof / Date of handover (border / station, according to train path) / date de passage en frontière suivant le sillon emprunté= YYY-MM-DD |  |
| HE30XML\_2.0\_2016/GT1/T1\_3\_1  Type: restriction of xs:string [0..1]  Annotation: Ländercode des Abgangsbahnhofs/ Train departure country code / pays de départ |  |
| HE30XML\_2.0\_2016/GT1/T1\_3\_2  Type: restriction of xs:string [0..1]  Annotation: Abgangsbahnhof Code / Train departure station code / depart en code |  |
| HE30XML\_2.0\_2016/GT1/T1\_3\_3  Type: restriction of xs:string [0..1]  Annotation: Abgangsbahnhof Name / Train departure station name / depart en claire |  |
| HE30XML\_2.0\_2016/GT1/GT1\_3\_4  Type: restriction of xs:anyType [0..1]  Annotation: PLC Abgangsbahnhof Name / Train departure station name / depart en claire |  |
| .../GT1/GT1\_3\_4/T1\_3\_4\_1  Type: restriction of xs:string  Annotation: CountryCodeISO Identifies a County or State by code (ISO 3166-1) |  |
| .../GT1/GT1\_3\_4/T1\_3\_4\_2  Type: restriction of xs:integer  Annotation: PrimaryLocationCode |  |
| .../GT1/GT1\_3\_4/T1\_3\_4\_3  Type: restriction of xs:string [0..1]  Annotation: PrimaryLocationName Name in an offication language of the Country using the ISO Unicode alphabet |  |
| HE30XML\_2.0\_2016/GT1/T1\_4\_1  Type: restriction of xs:string [0..1]  Annotation: Ländercode des Bestimmungslandes/ Train destination country code / pays de destination | |  |  | | --- | --- | | *direct* | [ns1:TrainCompositionMessage/ns1:TransferPoint/ns1:CountryCodeISO](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link24)  Type: extension of ns1:CountryIdentISO  Annotation: Identifies a County or State by code (ISO 3166-1) | |
| HE30XML\_2.0\_2016/GT1/T1\_4\_2  Type: restriction of xs:string [0..1]  Annotation: Bestimmungsbahnhof Code / Train destination station code / destination en code | |  |  | | --- | --- | | *direct* | [ns1:TrainCompositionMessage/ns1:TransferPoint/ns1:LocationPrimaryCode](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link26)  Type: ns1:Numeric1-5 | |
| HE30XML\_2.0\_2016/GT1/T1\_4\_3  Type: restriction of xs:string [0..1]  Annotation: Bestimmungsbahnhof Name Train destination station name/ destinationen claire | |  |  | | --- | --- | | *direct* | [ns1:TrainCompositionMessage/ns1:TransferPoint/ns1:PrimaryLocationName](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link28)  Type: ns1:FreeText [0..1]  Annotation: Location Name in an offication language of the Country using the ISO Unicode alphabet | |
| HE30XML\_2.0\_2016/GT1/GT1\_4\_4  Type: restriction of xs:anyType [0..1]  Annotation: PLC Bestimmungsbahnhof Name / Train destinationstation name / destination en claire |  |
| .../GT1/GT1\_4\_4/T1\_4\_4\_1  Type: restriction of xs:string  Annotation: CountryCodeISO Identifies a County or State by code (ISO 3166-1) |  |
| .../GT1/GT1\_4\_4/T1\_4\_4\_2  Type: restriction of xs:integer  Annotation: LocationPrimaryCode |  |
| .../GT1/GT1\_4\_4/T1\_4\_4\_3  Type: restriction of xs:string [0..1]  Annotation: PrimaryLocationName Location Name in an offication language of the Country using the ISO Unicode alphabet |  |
| HE30XML\_2.0\_2016/GT1/T1\_5\_1  Type: restriction of xs:string [0..1]  Annotation: Ländercode des letzten Behandlungsbahnhofs/ Last train formation country/ dernier pays remaniement |  |
| HE30XML\_2.0\_2016/GT1/T1\_5\_2  Type: restriction of xs:string [0..1]  Annotation: letzter Behandlungsbahnhof Code/ Last train formation station code / en code |  |
| HE30XML\_2.0\_2016/GT1/T1\_5\_3  Type: restriction of xs:string [0..1]  Annotation: letzter Behandlungsbahnhof Name /Last train formation station name / en claire |  |
| HE30XML\_2.0\_2016/GT1/GT1\_5\_4  Type: restriction of xs:anyType [0..1]  Annotation: PLC letzter Behandlungsbahnhof Name / Train formation station name / formation |  |
| .../GT1/GT1\_5\_4/T1\_5\_4\_1  Type: restriction of xs:string  Annotation: CountryCodeISO Identifies a County or State by code (ISO 3166-1) |  |
| .../GT1/GT1\_5\_4/T1\_5\_4\_2  Type: restriction of xs:integer  Annotation: LocationPrimaryCode |  |
| .../GT1/GT1\_5\_4/T1\_5\_4\_3  Type: restriction of xs:string [0..1]  Annotation: PrimaryLocationName Location Name in an offication language of the Country using the ISO Unicode alphabet |  |
| HE30XML\_2.0\_2016/GT1/T1\_5\_5  Type: restriction of xs:dateTime [0..1]  Annotation: Datum und Uhrzeit der tatsächlichen Abfahrt vom letzten Behandlungsbahnhof / Actual date and time of departure from last formation station / date et heure de départ réel de la dernière gare de remaniement= YYYY-MM-DDThh:mm:ss+0h:00 |  |
| HE30XML\_2.0\_2016/GT1/T1\_6\_1  Type: restriction of xs:short [0..1]  Annotation: Hoechstgeschwindigkeit des Zuges / MaximumTrainSpeed / Vitesse maximale du train |  |
| HE30XML\_2.0\_2016/GT1/T1\_6\_2  Type: restriction of xs:string [0..1]  Annotation: Bremsart des Zuges / TrainBrakingConditions / Régime de freinage du train |  |
| HE30XML\_2.0\_2016/GT2  Type: restriction of xs:anyType [1..6]  Annotation: Übergabepunkte / Interchange Points / Point de transit | |  |  | | --- | --- | | *direct* | [ns1:TrainCompositionMessage/ns1:TrainCompositionJourneySection](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link38)  Type: restriction of xs:anyType [1..99]  Annotation: Defines the make up of a train for each section of its journey | |
| HE30XML\_2.0\_2016/GT2/T2\_1  Type: restriction of xs:byte  Annotation: Zähler der Übergabepunkte/ Interchange sequence / Numérotation |  |
| HE30XML\_2.0\_2016/GT2/T2\_2  Type: restriction of xs:string  Annotation: Übergebendes EVU / TransferorRU / EF cédant |  |
| HE30XML\_2.0\_2016/GT2/T2\_3  Type: restriction of xs:string  Annotation: Übernehmendes EVU / TransfereeRU / EF cessionnaire |  |
| HE30XML\_2.0\_2016/GT2/GT2\_1  Type: restriction of xs:anyType [0..1]  Annotation: Grenzpunkt / Border point / Point frontière /  if not present, GT2\_2 has to present |  |
| .../GT2/GT2\_1/T2\_1\_1  Type: restriction of xs:string  Annotation: Ländercode, von dem aus die Übergabe erfolgt/ Country from which the interchange has taken place/ Pays où la remise se produit |  |
| .../GT2/GT2\_1/T2\_1\_2  Type: restriction of xs:string  Annotation: Grenzpunkt / Border point code/ Point frontière |  |
| HE30XML\_2.0\_2016/GT2/GT2\_2  Type: restriction of xs:anyType [0..1]  Annotation: Sonderübergabebahnhof / SpecialInterchangeStation / Gare de transition spéciale if not present, GT2\_1 has to present |  |
| HE30XML\_2.0\_2016/GT2/GT2\_3  Type: restriction of xs:anyType [0..1]  Annotation: PLC of Borderpoint / SpecialInterchangestation equal to GT2\_1 or GT2\_2 |  |
| HE30XML\_2.0\_2016/GT2/GT2\_4  Type: restriction of xs:anyType [0..1]  Annotation: TCM\_Journey\_START and/or Destination PLC | |  |  | | --- | --- | | *direct* | [.../ns1:TrainCompositionJourneySection/ns1:JourneySection/ns1:JourneySectionOrigin](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link42)  Type: ns1:LocationIdent  Annotation: Indication of the Railway or Customer Location | | *direct* | [.../ns1:TrainCompositionJourneySection/ns1:JourneySection/ns1:JourneySectionDestination](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link43)  Type: ns1:LocationIdent  Annotation: Indication of the Railway or Customer Location | |
| .../GT2/GT2\_4/T2\_4\_1  Type: restriction of xs:string [0..1]  Annotation: Start\_CountryCodeISO Identifies a County or State by code (ISO 3166-1) | |  |  | | --- | --- | | *direct* | [.../ns1:JourneySection/ns1:JourneySectionOrigin/ns1:CountryCodeISO](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link45)  Type: extension of ns1:CountryIdentISO  Annotation: Identifies a County or State by code (ISO 3166-1) | |
| .../GT2/GT2\_4/T2\_4\_2  Type: restriction of xs:integer [0..1]  Annotation: Start\_LocationPrimaryCode | |  |  | | --- | --- | | *direct* | [.../ns1:JourneySection/ns1:JourneySectionOrigin/ns1:LocationPrimaryCode](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link47)  Type: ns1:Numeric1-5 | |
| .../GT2/GT2\_4/T2\_4\_3  Type: restriction of xs:string [0..1]  Annotation: Start\_PrimaryLocationName Location Name in an offication language of the Country using the ISO Unicode alphabet | |  |  | | --- | --- | | *direct* | [.../ns1:JourneySection/ns1:JourneySectionOrigin/ns1:PrimaryLocationName](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link49)  Type: ns1:FreeText [0..1]  Annotation: Location Name in an offication language of the Country using the ISO Unicode alphabet | |
| .../GT2/GT2\_4/T2\_4\_4  Type: restriction of xs:string  Annotation: Destination\_CountryCodeISO Identifies a County or State by code (ISO 3166-1) | |  |  | | --- | --- | | *direct* | [.../ns1:JourneySection/ns1:JourneySectionDestination/ns1:CountryCodeISO](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link4B)  Type: extension of ns1:CountryIdentISO  Annotation: Identifies a County or State by code (ISO 3166-1) | |
| .../GT2/GT2\_4/T2\_4\_5  Type: restriction of xs:integer  Annotation: Destination\_LocationPrimaryCode | |  |  | | --- | --- | | *direct* | [.../ns1:JourneySection/ns1:JourneySectionDestination/ns1:LocationPrimaryCode](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link4D)  Type: ns1:Numeric1-5 | |
| .../GT2/GT2\_4/T2\_4\_6  Type: restriction of xs:string [0..1]  Annotation: Destination\_PrimaryLocationName Location Name in an offication language of the Country using the ISO Unicode alphabet | |  |  | | --- | --- | | *direct* | [.../ns1:JourneySection/ns1:JourneySectionDestination/ns1:PrimaryLocationName](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link4F)  Type: ns1:FreeText [0..1]  Annotation: Location Name in an offication language of the Country using the ISO Unicode alphabet | |
| HE30XML\_2.0\_2016/GT2/GT2\_5  Type: restriction of xs:anyType [0..1]  Annotation: TCM\_A(ctual) and N(ext) IM/RU responsible |  |
| .../GT2/GT2\_5/T2\_5\_1  Type: restriction of xs:positiveInteger [0..1]  Annotation: ResponsibleRU\_Actual | |  |  | | --- | --- | | *direct* | [.../ns1:JourneySection/ns1:ResponsibilityActualSection/ns1:ResponsibleRU](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link52)  Type: ns1:CompanyCode  Annotation: RU Responsible for the physical operation of the train or wagon | |
| .../GT2/GT2\_5/T2\_5\_2  Type: restriction of xs:positiveInteger [0..1]  Annotation: ResponsibleIM\_Actual | |  |  | | --- | --- | | *direct* | [.../ns1:JourneySection/ns1:ResponsibilityActualSection/ns1:ResponsibleIM](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link54)  Type: ns1:CompanyCode  Annotation: IM Responsible for Reporting. For Path Requests, this element has to be used - in the first journey location (origin of train) - in journey locations (could even be a network border without stopping of the train) in case where the IM on the oncoming section changes from the legal point of view. This means, the new IM has the legal responsibility for the oncoming section. | |
| .../GT2/GT2\_5/T2\_5\_3  Type: restriction of xs:positiveInteger [0..1]  Annotation: ResponsibleRU\_Next | |  |  | | --- | --- | | *direct* | [.../ns1:JourneySection/ns1:ResponsibilityNextSection/ns1:ResponsibleRU](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link56)  Type: ns1:CompanyCode  Annotation: RU Responsible for the physical operation of the train or wagon | |
| .../GT2/GT2\_5/T2\_5\_4  Type: restriction of xs:positiveInteger [0..1]  Annotation: ResponsibleIM\_Next | |  |  | | --- | --- | | *direct* | [.../ns1:JourneySection/ns1:ResponsibilityNextSection/ns1:ResponsibleIM](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link58)  Type: ns1:CompanyCode  Annotation: IM Responsible for Reporting. For Path Requests, this element has to be used - in the first journey location (origin of train) - in journey locations (could even be a network border without stopping of the train) in case where the IM on the oncoming section changes from the legal point of view. This means, the new IM has the legal responsibility for the oncoming section. | |
| HE30XML\_2.0\_2016/GT3  Type: restriction of xs:anyType [0..49]  Annotation: Triebfahrzeuge (arbeitende)/ Tractive units (working)/engin(s) moteur / Traction |  |
| HE30XML\_2.0\_2016/GT3/T3\_1  Type: restriction of xs:string [0..1]  Annotation: Nummer(n) des (der) Triebfahrzeuge(s) / Tractive unit number(s) working the train / Numéro de l'engin moteur |  |
| HE30XML\_2.0\_2016/GT3/T3\_2  Type: restriction of xs:short [0..1]  Annotation: Verwendungscode TFz / Usage code (type of traction) / Type de traction according to TAF/TSI TrainCompositionMessage |  |
| HE30XML\_2.0\_2016/GT3/T3\_2\_1  Type: restriction of xs:short [0..1]  Annotation: Position Zwischen-Triebfahrzeug (nach Wagen Position xx)/Position of intermediate unit (after wagon position xx)/ Position de la traction intermédiaire |  |
| HE30XML\_2.0\_2016/GT3/T3\_3  Type: restriction of xs:short [0..1]  Annotation: Anzahl der Achsen Triebfahrzeug / Number of axels of tractive unit / Nombre d'essieux de la traction |  |
| HE30XML\_2.0\_2016/GT3/T3\_4  Type: restriction of xs:int [0..1]  Annotation: Länge Triebfahrzeug in cm / Length of tractive unit / Longueur de la traction |  |
| HE30XML\_2.0\_2016/GT3/T3\_5  Type: restriction of xs:int [0..1]  Annotation: Gewicht Triebfahrzeug kg / Weight of tractive unit / Poids de la traction\_ |  |
| HE30XML\_2.0\_2016/GT3/T3\_6  Type: restriction of xs:string [0..1]  Annotation: tatsächliche Bremsart / Used braking system / Type de frein |  |
| HE30XML\_2.0\_2016/GT3/T3\_7  Type: restriction of xs:short [0..1]  Annotation: tatsächliches Bremsgewicht / Effective braked weight / Masse freinée réelle |  |
| HE30XML\_2.0\_2016/GT3/T3\_8a  Type: restriction of xs:byte [0..1]  Annotation: Handbremsgewicht t / handbrakeweight t / Masse freinée du frein à main t |  |
| HE30XML\_2.0\_2016/GT3/T3\_8b  Type: restriction of xs:short [0..1]  Annotation: Festhaltekraft in dkn / holding force in dkn/ effort de rétenue in dkn |  |
| HE30XML\_2.0\_2016/GT3/T3\_9  Type: restriction of xs:string [0..99]  Annotation: tfzzugbeieinflussungssyControlCommandSystem/Dispositif de surveillance des trains |  |
| HE30XML\_2.0\_2016/GT3/T3\_10  Type: restriction of xs:string [0..99]  Annotation: tfzfunkausruestung/trainradiosystem/Système radio |  |
| HE30XML\_2.0\_2016/GT3/GT3\_11  Type: restriction of xs:anyType [0..6]  Annotation: Lokführer / Driver / Pilotes |  |
| HE30XML\_2.0\_2016/GW  Type: restriction of xs:anyType [0..99]  Annotation: Angaben zum Wagenzug (A-Z) / Wagon list (A-Z) / Liste des wagons (A-Z) | |  |  | | --- | --- | | *direct* | [ns1:TrainCompositionMessage/ns1:TrainCompositionJourneySection/ns1:WagonData](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link68)  Type: restriction of xs:anyType [1..∞]  Annotation: Wagon relevant data for the wagons within a running train | |
| HE30XML\_2.0\_2016/GW/GW1  Type: restriction of xs:anyType  Annotation: technische Wagendaten (angeschrieben) / Technical wagon data (marked on the wagon) / Données techniques des wagons |  |
| .../GW/GW1/I1\_0  Type: restriction of xs:string  Annotation: 1.0 - Wagennummer / WagonNumber/ numéro de wagon | |  |  | | --- | --- | | *direct* | [.../ns1:TrainCompositionJourneySection/ns1:WagonData/ns1:WagonNumberFreight](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link6B)  Type: ns1:WagonIdent  Annotation: Identifies uniquely the freight wagon by its number | |
| .../GW/GW1/I1\_1  Type: restriction of xs:byte  Annotation: 1.1 - Anzahl der Achsen / NumberOfAxles / Nombre d'essieux | |  |  | | --- | --- | | *direct* | [.../ns1:WagonData/ns1:WagonTechData/ns1:WagonNumberOfAxles](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link6D)  Type:  Annotation: Number of Axels for a wagon | |
| .../GW/GW1/I1\_2  Type: restriction of xs:short  Annotation: 1.2 - Bauartbedingte Höchstgeschwindigkeit / Maximum speed, depending on design characteristics / Régime de vitesse, lié à la construction | |  |  | | --- | --- | | *direct* | [.../ns1:WagonData/ns1:WagonOperationalData/ns1:WagonMaxSpeed](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link6F)  Type: restriction of xs:int [0..1]  Annotation: Maximum allowed speed of the wagon according to the load and entry in the Rolling Stock Databases. In kmh | |
| .../GW/GW1/I1\_3  Type: restriction of xs:int  Annotation: 1.3 - Länge über Puffer / LengthOverBuffers / Longueur hors tampons | |  |  | | --- | --- | | *direct* | [.../ns1:WagonData/ns1:WagonTechData/ns1:WagonLength](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link71)  Type: restriction of xs:int  Annotation: Length over buffers in cms | |
| .../GW/GW1/I1\_4  Type: restriction of xs:int  Annotation: 1.4 - Eigengewicht / Tara / Tare | |  |  | | --- | --- | | *direct* | [.../ns1:WagonData/ns1:WagonTechData/ns1:WagonWeightEmpty](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link73)  Type: ns1:WeightValueKilo  Annotation: The weight of an empty wagon according to the entry in the rolling stock database | |
| .../GW/GW1/I1\_5  Type: restriction of xs:string [0..9]  Annotation: Bauartbedingte Beförderungsbeschränkung / Restrictions, depending on design characteristics / Restriction lié à la construction |  |
| .../GW/GW1/G1\_7  Type: restriction of xs:anyType [0..1]  Annotation: 1.7 - Handbremse / HandBrake / Frein à main |  |
| .../GW1/G1\_7/I1\_7\_1  Type: restriction of xs:string  Annotation: Art der Handbremse / TypeOfHandbrake / type de frein à main | |  |  | | --- | --- | | *direct* | [.../ns1:WagonData/ns1:WagonTechData/ns1:HandBrakeType](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link77)  Type: [0..1]  Annotation: Classification of hand brake:   0 No hand brake 1 Ground-operated hand brake 2 Platform-operated hand brake | |
| .../GW1/G1\_7/I1\_7\_2  Type: restriction of xs:byte [0..1]  Annotation: Handbremsgewicht to / BrakedWeight to / masse freinée to | |  |  | | --- | --- | | *direct* | [.../ns1:WagonData/ns1:WagonTechData/ns1:HandBrakeBrakedWeight](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link79)  Type: ns1:Numeric3-3 [0..1]  Annotation: Coding in 404-2, chapter 1.7 | |
| .../GW1/G1\_7/I1\_7\_3  Type: restriction of xs:short [0..1]  Annotation: Festhaltekraft in dkN / holding force in dkN/ effort de rétenue in dkN |  |
| .../GW/GW1/G1\_8  Type: restriction of xs:anyType [0..1]  Annotation: 1.8 - Druckluftbremse / AirBrake / frein à air |  |
| .../GW1/G1\_8/I1\_8\_1  Type: restriction of xs:string  Annotation: Bremsart (Code) / Braking system code / régime de freinage | |  |  | | --- | --- | | *direct* | [.../ns1:WagonData/ns1:WagonTechData/ns1:AirBrakeType](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link7D)  Type: [0..1]  Annotation: Classification of air brake. additional code: 8 No air brake or brake pipe The code is defined in UIC Leaflet 920-13. | |
| .../GW1/G1\_8/I1\_8\_2  Type: restriction of xs:string [0..1]  Annotation: Umstellhebel für die lastabhängige Bremsung / BrakingPowerVariationDevice / dispositif de variation de la puissance de freinage en fonction de la charge | |  |  | | --- | --- | | *direct* | [.../ns1:WagonData/ns1:WagonTechData/ns1:BrakingPowerVariationDevice](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link7F)  Type: [0..1]  Annotation: Coding in 404-2, chapter 1.8 | |
| .../GW1/G1\_8/I1\_8\_3  Type: restriction of xs:string [0..1]  Annotation: Bremsbauart (Code) / Special characteristics of air brake / caractéristiques spéciales |  |
| .../GW1/G1\_8/I1\_8\_4  Type: restriction of xs:short [0..7]  Annotation: Wert des charakteristischen Gewichts / ValueOfCharacteristicMass / valeur de la masse caractéristique | |  |  | | --- | --- | | *direct* | [.../ns1:WagonData/ns1:WagonTechData/ns1:AirBrakeSpecialCharacteristic](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link82)  Type: restriction of xs:integer [0..1]  Annotation: Coding in 404-2, chapter 1.8 | |
| .../GW1/G1\_8/I1\_8\_5  Type: restriction of xs:short [0..1]  Annotation: Number of brake untis/ Anzahl der Bremseinheiten / xxx |  |
| .../GW/GW1/I1\_10  Type: restriction of xs:short [0..1]  Annotation: 1.10 - Kupplungsbauart / TypeOfCoupling / Type d'attelage |  |
| .../GW/GW1/I1\_11  Type: restriction of xs:short [0..1]  Annotation: 1.11 - Höhe der Ladeebene des unbeladenen Wagens / Height of loading plane in unladen state / Hauteur du plan de chargement à l'état non chargé | |  |  | | --- | --- | | *direct* | [.../ns1:WagonData/ns1:WagonTechData/ns1:NormalLoadingGauge](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link86)  Type: restriction of xs:token [0..1]  Annotation: Wagon or load gauge code used in UK, coded in UIC 505-1 and 503:  All codes are defined in the UIC Leaflet 505-1 and 503, as well as in the EN 15273-2. For details please refer to EN 15273-2:2013 (Railway applications - Gauges - Part 2: Rolling stock gauge). For the existing gauges in the list, the Annex B.3 should be used. For the new ones, use the table below. Candidate: G1, G2, GA, GB, GC, CM, CE, M2, M3, M4, GB1, GB2, GB-M6, GHE16, W6-A.  Lately added: G1 Annex A.3 G2 Annex E.1.2 GB2 Annex C.1.2 GB-M6 Annex N.4 (annex currently in preparation) GHE16 Annex P.3 W6-A W6a is designed for non- bogied wagons with axle spacings of 12.8m (42'), and 18.3m length (60') | |
| .../GW/GW1/I1\_12  Type: restriction of xs:short [0..1]  Annotation: 1.12 - Kleinster befahrbarer Gleisbogenhalbmesser / Minimum radius curve that can be traversed / Rayon minimal d'inscription en courbe |  |
| .../GW/GW1/I1\_13  Type: restriction of xs:short [0..1]  Annotation: 1.13 - Kleinster befahrbarer senkrechter Ausrundungs-Halbmesser / Minimum vertical radius of yard humps that can be traversed / Rayon vertical minimal des bosses de triage |  |
| .../GW/GW1/I1\_14  Type: restriction of xs:byte [0..1]  Annotation: 1.14 - Anzahl Drehgestelle / NumberOfBoogies / Nombre de bogies |  |
| .../GW/GW1/I1\_15  Type: restriction of xs:short [0..1]  Annotation: 1.15 - Drehzapfenabstand / BoogiePivotPitch / entraxe des bogies |  |
| .../GW/GW1/I1\_16  Type: restriction of xs:short [0..1]  Annotation: 1.16 - Abstand der Radsätze im Drehgestell / BoogiePitch / empattement d'un bogie |  |
| .../GW/GW1/I1\_17  Type: restriction of xs:short [0..1]  Annotation: 1.17 - Innerer Radsatzstand / InnerWheelbase / distance de roue intérieure |  |
| .../GW/GW1/I1\_18  Type: restriction of xs:string [0..1]  Annotation: 1.18 - Halter Kurzbezeichnung / Vehicle keeper marking / Propriétaire, nom court |  |
| .../GW/GW1/I1\_19  Type: restriction of xs:int [0..1]  Annotation: Nutzbare Ladelänge / EffectiveLoadingLength / Longueur de chargement utilisable |  |
| .../GW/GW1/I1\_20  Type: restriction of xs:short [0..1]  Annotation: Nutzbare Ladefläche / EffectiveLoadingArea / Surface de chargement utilisable |  |
| .../GW/GW1/I1\_21  Type: restriction of xs:short [0..1]  Annotation: Nutzbarer Laderaum / EffectiveLoadingCapacity / Volume de chargement utilisable |  |
| .../GW/GW1/G1\_22  Type: restriction of xs:anyType [0..1]  Annotation: Lastgrenzraster / Table of load limits / Tableaux des limites de charges |  |
| .../GW1/G1\_22/G1\_22\_1  Type: restriction of xs:anyType [0..9]  Annotation: Liste der Lastgrenzraster / List of load limits / liste des tableaux |  |
| .../G1\_22/G1\_22\_1/G1\_22\_1\_1  Type: restriction of xs:anyType  Annotation: Länder, für die es anzuwenden ist / Countries / pays d'application |  |
| .../G1\_22/G1\_22\_1/G1\_22\_1\_2  Type: restriction of xs:anyType  Annotation: Geschwindigkeiten / SpeedCategories / Vitesses |  |
| .../G1\_22\_1/G1\_22\_1\_2/I1\_22\_1\_2\_1  Type: restriction of xs:byte  Annotation: Anzahl der Geschwindigkeiten / NumberOfSpeedCategories / nombre de vitesses |  |
| .../G1\_22\_1/G1\_22\_1\_2/G1\_22\_1\_2\_2  Type: restriction of xs:anyType [1..6]  Annotation: Liste der Geschwindigkeiten / ListOfSpeedCategories / liste des vitesses |  |
| .../G1\_22/G1\_22\_1/I1\_22\_1\_3  Type: restriction of xs:string [1..15]  Annotation: Streckenklassen / LineCategory / Catégorie de lignes |  |
| .../G1\_22/G1\_22\_1/I1\_22\_1\_4  Type: restriction of xs:short [1..72]  Annotation: Zulässige maximale Last / Authorised maximum load / charge |  |
| .../GW/GW1/I1\_23  Type: restriction of xs:string [0..99]  Annotation: Vereinbarungsraster Auflistung der Länder / List of countries on agreement grid / pays/Trame d’accord d’interopérabilité |  |
| .../GW/GW1/G1\_24  Type: restriction of xs:anyType [0..20]  Annotation: Lose Wagenbestandteile und mitgeführte besondere Ausrüstungen / Removable accessories and special equipment on wagons / Accessoires amovibles et équipements spéciaux accompagnant les wagons |  |
| .../GW1/G1\_24/I1\_24\_1  Type: restriction of xs:string [0..1]  Annotation: Art des Bestandteils / TypeOfAccessory / genre d'accessoire |  |
| .../GW1/G1\_24/I1\_24\_2  Type: restriction of xs:byte [0..1]  Annotation: Anzahl der Bestandteile der gleichen Art / NumberOfAccessorOfSpecType / nombre d'accessoires du genre |  |
| .../GW/GW1/G1\_25  Type: restriction of xs:anyType [0..1]  Annotation: Revision / Overhaul / Révision |  |
| .../GW/GW1/G1\_26  Type: restriction of xs:anyType [0..1]  Annotation: InteroperabilitätsCode / Interoperabilitycode / Code d'interopérabilité or/and LoadingGauge / RU/IM LIST |  |
| .../GW1/G1\_26/I1\_26\_1  Type: restriction of xs:short [1..9]  Annotation: InteroperabilitätsCode / Interoperabilitycode / Code d'interopérabilité or/and lLoadingGauge according to UIC Leaflet 505;503and TAF EN 15273 valid characters are given in xls Sheet |  |
| .../GW1/G1\_26/I1\_26\_2  Type: restriction of xs:short [0..99]  Annotation: IM or RU Codes coded in TAF Format (D=0080; A=0081; CH=0085; Gysev=2243;.... |  |
| HE30XML\_2.0\_2016/GW/GW2  Type: restriction of xs:anyType [0..9]  Annotation: Schaeden / Damage wagon data / Données d'avarie wagon |  |
| .../GW/GW2/I2\_1  Type: restriction of xs:short [0..5]  Annotation: Schadzettel / Damage label (code) / restriction technique |  |
| .../GW/GW2/I2\_2  Type: restriction of xs:string [0..1]  Annotation: Fehlercode / Damage label (code) / partie touchée et avariée |  |
| .../GW/GW2/I2\_3  Type: restriction of xs:short [0..1]  Annotation: 2.10 - Schadensbedingte Höchstgeschwindigkeit / Speed restriction due to irregularity / Restriction de vitesse par suite d'avaries |  |
| .../GW/GW2/I2\_4  Type: restriction of xs:string [0..7]  Annotation: Schadensbedingte Beschränkung / Restriction due to irregularity / Restriction due aux avaries | |  |  | | --- | --- | | *direct* | [.../ns1:WagonData/ns1:WagonOperationalData/ns1:RestrictionsDueToLoadOrDamage](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#LinkA6)  Type: ns1:RestrictionCodes [0..9]  Annotation: These are possible restrictions applicable in the originating country to shunting operations in stations and to main-line movements on account of the nature of the load. Coding in Restriction Codes (according to UIC Leaflet 920-13) | |
| HE30XML\_2.0\_2016/GW/GWC  Type: restriction of xs:anyType  Annotation: CIM\_CUV Transportdaten Wagen / CIM\_CUV\_commercial wagon data / Données commerciales |  |
| HE30XML\_2.0\_2016/GW/GWL  Type: restriction of xs:anyType  Annotation: Information zur Ladung Wagen / wagonload/ Nature de la marchandise |  |
| .../GW/GWL/WL0  Type: restriction of xs:byte  Annotation: Ladezustand des Wagens / Loading status / L'état des wagons |  |
| .../GW/GWL/WL1  Type: restriction of xs:int  Annotation: GesamtGewicht der Ladungen / WeightOfLoads / Masse du chargements | |  |  | | --- | --- | | *direct* | [.../ns1:WagonData/ns1:WagonOperationalData/ns1:TotalLoadWeight](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#LinkAB)  Type: ns1:WeightValueKilo [0..1]  Annotation: The total weight of the transportation unit on the freight wagon. This is the booked or actual weight of goods including packing and carrier's equipment | |
| .../GW/GWL/GWL2  Type: restriction of xs:anyType [0..1]  Annotation: Zusatzinfo / Additional info / Informations supplémentaires |  |
| .../GWL/GWL2/WL2  Type: restriction of xs:int [0..1]  Annotation: Gewicht von Zusatzeinrichtungen / Weight of additional equipment / Poids pour l'équipement supplémentaire |  |
| .../GWL/GWL2/WL2\_1  Type: restriction of xs:string [0..20]  Annotation: Art des Ladehilfsmittels / Type of loading gear / le genre d'agrès |  |
| .../GWL/GWL2/WL2\_2  Type: restriction of xs:byte [0..20]  Annotation: Anzahl der Ladehilfsmittel derselben Art / Number of similar types of gear / le nombre d'agrès du même genre |  |
| .../GW/GWL/GWL3  Type: restriction of xs:anyType [1..99]  Annotation: Information per NHM |  |
| .../GWL/GWL3/WL3  Type: restriction of xs:string  Annotation: Gutarten (NHM) / FreightCommodity (NHM) / nature de marchandise (NHM) |  |
| .../GWL/GWL3/WL3\_1  Type: restriction of xs:int [0..1]  Annotation: Gewicht des NHM/weightNHM/Poids de la marchandise (NHM) |  |
| .../GWL/GWL3/WL3\_2  Type: restriction of xs:string [0..1]  Annotation: Zusatztext zu NHM / Additional information to NHM / Texte complémentaire au code NHM |  |
| .../GWL/GWL3/GWLR  Type: restriction of xs:anyType [0..99]  Annotation: Auflistung der gefährlichen Güter / ListofDangerousGoods / list des produits dangereux\_\_\_ : IF UTI (GULR-RID) is not used/send - RID is to set here on wagonlevel; if UTI is send - it could be set here unique again. |  |
| .../GWL/GWL3/GU  Type: restriction of xs:anyType [0..99]  Annotation: Daten über den intermodalen Verkehr / Intermodal transport data / Données relatives au trafic Intermodal |  |
| HE30XML\_2.0\_2016/GW/GWLS  Type: restriction of xs:anyType  Annotation: Spezielles - Besonderheiten Ladung / loadspecials / Spécialités/particularités |  |
| .../GW/GWLS/GWLS\_1  Type: restriction of xs:anyType [0..1]  Annotation: Identifizierung einer außergewöhnlichen Sendung / Identification of a special load (Technical number) / Identification d'un transport exceptionnel numéro technique |  |
| .../GW/GWLS/GWLS\_2  Type: restriction of xs:anyType [0..1]  Annotation: Beförderungsart, -überwachung, garantierte Beförderungsfrist, programmierte Beförderung und Beförderungsplan / ForwardingMethod / Régime d'acheminement, surveillance, délai garanti, acheminement programmé et plan de transport |  |
| .../GW/GWLS/GWLS\_3  Type: restriction of xs:anyType [0..9]  Annotation: Behandlungen der Ladung oder des Güterwagens in Abfolge der Vorschreibung/ Treatment to be given to the load or wagon (sorted) / Traitements à faire subir au chargement ou au wagon (sort) |  |
| .../GW/GWLS/GWLS\_4  Type: restriction of xs:anyType [0..1]  Annotation: Verzollungsbedingungen (Bestimmung): / Customs clearance conditions / Conditions de dédouanement |  |
| .../GW/GWLS/GWLS\_5  Type: restriction of xs:anyType [0..9]  Annotation: Transportüberwachende Organisationen / Monitoring bodies / Organismes exerçant une surveillance |  |
| .../GW/GWLS/GWLS\_6  Type: restriction of xs:anyType [0..9]  Annotation: Zusätzliche Merkmale bezüglich der Form, der Art des beförderten Gutes / Additional information concerning the shape, type and danger of the product carried / Caractéristiques complémentaires concernant la forme, le danger et la nature du produit transporté |  |
| .../GWLS/GWLS\_6/WLS\_6  Type: restriction of xs:short  Annotation: Merkmal / Characteristic / chcaractéristique | |  |  | | --- | --- | | *direct* | [ns1:TrainCompositionMessage/ns1:TrainCompositionJourneySection/ns1:LivestockOrPeopleIndicator](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#LinkBE)  Type: restriction of xs:integer  Annotation: Indicates that livestock and people (other than train crew) will be carried. Coding: if live animals or people are transported = 1, in opposite case = 0. If code = 1, then at the wagon level for at least one wagon Info- Goods Shape, Type and Danger has to include the code '98' or Restrictions due to Load or Damage has to include code '09.' | |
| .../GW/GWLS/GWLS\_7  Type: restriction of xs:anyType [0..12]  Annotation: Ladungsbedingte Beförderungsbeschränkungen / Forwarding restriction due to the load / Restrictions d'acheminement due au chargement |  |
| .../GW/GWLS/GWLS\_8  Type: restriction of xs:anyType [0..5]  Annotation: Wagenwiederverwendbarkeit RIV\_GCU / Restrictions or prohibitions on re-use of wagons ListOfGCU\_RIVCodes / Restrictions d'acheminement due au chargement |  |
| HE30XML\_2.0\_2016/GW/GWA  Type: restriction of xs:anyType  Annotation: aktuelle betriebliche Wagendaten / Current operational Wagon data / Données d'exploitation actuelles |  |
| .../GW/GWA/WA\_1  Type: restriction of xs:short  Annotation: Bremsgewicht aktuell / BrakeWeight actual/ masse | |  |  | | --- | --- | | *direct* | [.../ns1:WagonData/ns1:WagonOperationalData/ns1:BrakeWeight](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#LinkC3)  Type: restriction of xs:int [0..1]  Annotation: Shows the Braked mass of the wagon according to the type of the braking system, in Tonnes | |
| .../GW/GWA/WA\_2  Type: restriction of xs:string  Annotation: Bremsart aktuell / Braking system actual / régime de freinage | |  |  | | --- | --- | | *direct* | [.../ns1:WagonData/ns1:WagonOperationalData/ns1:BrakeType](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#LinkC5)  Type: restriction of xs:token [0..1]  Annotation: Type of braking system.   additional:  X For indication: brake system of the freight wagon out of order (actually / current) | |
| .../GW/GWA/WA\_2\_1  Type: restriction of xs:string [0..1]  Annotation: Handbremsstatus/ Handbrakestatus / Etat du frein à main |  |
| .../GW/GWA/WA\_3  Type: restriction of xs:short [0..1]  Annotation: Geschwindigkeit für den aktuellen Transport gemäß Lastgrenzraster / Speed for the movement in question (according the Table of max load) / Vitesse pour le transport actuel;  Vitesse maximale selon le tableau des limites de charges |  |
| .../GW/GWA/WA\_4  Type: restriction of xs:int  Annotation: Gesamtgewicht des Wagens / Total wagon weight / Masse totale du wagon |  |
| .../GW/GWA/WA\_5  Type: restriction of xs:string [0..1]  Annotation: Wagen-Wartungs-Beauftragter (ECM) / Entitiy in charge of maintanance (ECM) / Entité en charge de la maintenance (ECM) |  |

# Output taf\_cat\_complete\_baseline\_2.1.xmd [(taf\_cat\_complete\_baseline\_2.1.xmd.xsd)](file:///\\era.eu.int\dfs\Units\Interoperability\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\taf_cat_complete_baseline_2.1.xmd.xsd)

|  |  |
| --- | --- |
| **Connections** | **Nodes** |
|  | File: X30\_2\_5995\_201806111054 in TAF format.xml  Type: string |
| |  |  | | --- | --- | | [HE30XML\_2.0\_2016](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link3)  Type: restriction of xs:anyType [0..1]  Annotation: http://www.uic.org/leaflet-404-2-appendices | *direct* | | ns1:TrainCompositionMessage  Type: restriction of xs:anyType [0..1]  Annotation: This message is sent from an RU to an IM defining the composition of the proposed train. |
|  | ns1:TrainCompositionMessage/ns1:MessageHeader  Type: restriction of xs:anyType  Annotation: Used for all messages |
|  | ns1:TrainCompositionMessage/ns1:MessageHeader/ns1:MessageReference  Type: restriction of xs:anyType  Annotation: This element identifies the message |
| |  |  | | --- | --- | | [core.constant(3003)](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#LinkCE) | *direct*  Annotation:  Not available in H30 XSD but can be added at train composition creation application level. >> not blocking | | .../ns1:MessageHeader/ns1:MessageReference/ns1:MessageType  Type: restriction of xs:integer  Annotation: To indicate the message type transmitted or referred to. The following list was agreed within the sector: 2001 PathCanceledMessage 2002 PathConfirmedMessage 2003 PathDetailsMessage 2004 PathDetailsRefusedMessage 2005 PathNotAvailableMessage 2006 PathRequestMessage 2007 ReceiptConfirmationMessage 3001 TrainAcceptedMessage 3002 TrainAtStartMessage 3003 TrainCompositionMessage 3004 TrainNotSuitableMessage 3005 TrainPositionMessage 3006 TrainReadyMessage 4001 TrainDelayCauseMessage 4002 TrainDelayPerformanceMessage 4003 TrainForecastAtReportingLocationMessage 4004 TrainRunningForecastMessage 4005 TrainRunningInformationMessage 4006 TrainRunningInterruptionMessage 5001 AlertMessage 5002 WagonArrivalNoticeMessage 5003 WagonDeliveryNoticeMessage 5004 WagonDepartureNoticeMessage 5005 WagonDeviationMessage 5006 WagonETI\_ETA\_Message 5007 WagonExceptionMessage 5008 WagonExceptionReasonMessage 5009 WagonInterchangeNoticeMessage 5010 WagonInterchangeSubNoticeMessage 5011 WagonOrderMessage 5012 WagonReceivedAtInterchangeMessage 5013 WagonRefusedAtInterchangeMessage 5014 WagonReleaseNoticeMessage 5015 WagonYardArrivalMessage 5016 WagonYardDepartureMessage 6001 IRN\_DatasetMessage 6002 LocationFileDatasetMessage 6003 RollingStockDatasetMessage |
| |  |  | | --- | --- | | [core.constant("2.0")](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#LinkD0) | *direct*  Annotation:  Not available in H30 XSD but can be added at train composition creation application level. >> not blocking | | .../ns1:MessageHeader/ns1:MessageReference/ns1:MessageTypeVersion  Type: restriction of xs:string  Annotation: Version of the Message Type |
| |  |  | | --- | --- | | [HE30XML\_2.0\_2016/G1/H5](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#LinkD)  Type: restriction of xs:short [0..1]  Annotation: Zähler der Vormeldung je Zug / Counter of Preadvice per train/Compteur de préannonce par train | *direct* | | .../ns1:MessageHeader/ns1:MessageReference/ns1:MessageIdentifier  Type: ns1:FreeText  Annotation: Identification of the Message |
| |  |  | | --- | --- | | [HE30XML\_2.0\_2016/G1/H3](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#LinkA)  Type: restriction of xs:dateTime  Annotation: Erstellungszeitpunkt der Meldung / Message Creation Date Time / Date/Heure de creation du message= YYYY-MM-DDThh:mm:ss+0h:00 | *direct* | | .../ns1:MessageHeader/ns1:MessageReference/ns1:MessageDateTime  Type: xs:dateTime  Annotation: Generated by the common Interface |
|  | ns1:TrainCompositionMessage/ns1:MessageHeader/ns1:MessageRoutingID  Type: ns1:Numeric2-2 [0..1]  Annotation: Additional information used to route the message to the correct recieving application (if needed) |
|  | ns1:TrainCompositionMessage/ns1:MessageHeader/ns1:SenderReference  Type: ns1:FreeText [0..1]  Annotation: reference used by the sender (e.g. FTP file name) |
| |  |  | | --- | --- | | [HE30XML\_2.0\_2016/G1/H1](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link6)  Type: restriction of xs:string  Annotation: Sendendes Eisenbahnunternehmen / Sending Railway Company / EF envoyante | *direct* | | ns1:TrainCompositionMessage/ns1:MessageHeader/ns1:Sender  Type: extension of ns1:CompanyCode  Annotation: The sender of the message |
|  | .../ns1:MessageHeader/ns1:Sender/@ns1:CI\_InstanceNumber  Type: ns1:Numeric2-2 [0..1]  Annotation: Number of a Common Interface Instance for the same Company |
| |  |  | | --- | --- | | [HE30XML\_2.0\_2016/G1/H2](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link8)  Type: restriction of xs:string  Annotation: Empfangendes Eisenbahnunternehmen / Receiving Railway Company / EF recevante | *direct* | | ns1:TrainCompositionMessage/ns1:MessageHeader/ns1:Recipient  Type: extension of ns1:CompanyCode  Annotation: Receiver of the message |
|  | .../ns1:MessageHeader/ns1:Recipient/@ns1:CI\_InstanceNumber  Type: ns1:Numeric2-2 [0..1]  Annotation: Number of a Common Interface Instance for the same Company |
| |  |  | | --- | --- | | [core.constant(1)](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#LinkD6) | *direct*  Annotation:  In H30 XSD available in the tag H5. If the counter is 1 then this is a CREATION. IF >1 then it is MODIFICATION. | | ns1:TrainCompositionMessage/ns1:MessageStatus  Type:  Annotation: Assigned by the Sender 1=creation, 2=modification, 3=deletion |
|  | ns1:TrainCompositionMessage/ns1:TransportOperationalIdentifiers  Type: extension of ns1:CompositIdentifierOperationalType [0..∞] |
|  | ns1:TrainCompositionMessage/ns1:TransportOperationalIdentifiers/ns1:ObjectType  Type: restriction of xs:string  Annotation: Provides a possibility for differentiantion between the objects: Train, Path, Case Reference and Path Request |
|  | ns1:TrainCompositionMessage/ns1:TransportOperationalIdentifiers/ns1:Company  Type: ns1:CompanyCode  Annotation: Identifies a railway company (RU or IM) |
|  | ns1:TrainCompositionMessage/ns1:TransportOperationalIdentifiers/ns1:Core  Type: restriction of xs:string  Annotation: It is the main part of identifier and is determent by the company that creates it. |
|  | ns1:TrainCompositionMessage/ns1:TransportOperationalIdentifiers/ns1:Variant  Type: restriction of xs:string  Annotation: The variant shows a relationship between two identifiers referring to the same business case |
|  | ns1:TrainCompositionMessage/ns1:TransportOperationalIdentifiers/ns1:TimetableYear  Type: restriction of xs:integer  Annotation: Refers to the timetable period in which the business will be carried out |
|  | ns1:TrainCompositionMessage/ns1:TransportOperationalIdentifiers/ns1:StartDate  Type: restriction of xs:date  Annotation: The start of the date/time in effect |
|  | ns1:TrainCompositionMessage/ns1:OperationalTrainNumberIdentifier  Type: restriction of xs:anyType |
| |  |  | | --- | --- | | [HE30XML\_2.0\_2016/GT1/T1\_1\_1](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link10)  Type: restriction of xs:string  Annotation: Nummer / Number / numéro | *direct* | | ns1:TrainCompositionMessage/ns1:OperationalTrainNumberIdentifier/ns1:OperationalTrainNumber  Type: ns1:String1-8  Annotation: Identifies the train for traffic management purposes by the Dispatcher, GSMR services, etc. |
| |  |  | | --- | --- | | [HE30XML\_2.0\_2016/GT1/T1\_1\_3](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link15)  Type: restriction of xs:dateTime  Annotation: Fahrplanmässiger Übergangszeitpunkt Grenze oder Bahnhof / Planned Border Crossing Date Time or arrival datetime at the next interchange station / Heure théorique de passage à la frontière = YYYY-MM-DDThh:mm:ss+0h:00 | *direct* | | ns1:TrainCompositionMessage/ns1:OperationalTrainNumberIdentifier/ns1:ScheduledTimeAtHandover  Type: xs:dateTime [0..1]  Annotation: The scheduled departure date and time or the scheduled handover date and time at the border between two different IMs. |
| |  |  | | --- | --- | | [HE30XML\_2.0\_2016/GT1/T1\_1\_2](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link13)  Type: restriction of xs:dateTime  Annotation: Voraussichtlicher tatsächlicher Übergabezeitpunkt Grenze oder Bahnhof/ Planned date time at border crossing or at arrival at the next interchange station/ Date et heure réelle prévue du passage frontière = YYYY-MM-DDThh:mm:ss+0h:00 | *direct* | | ns1:TrainCompositionMessage/ns1:OperationalTrainNumberIdentifier/ns1:ScheduledDateTimeAtTransfer  Type: xs:dateTime [0..1]  Annotation: The scheduled arrival at destination date and time or the scheduled outgoing transfer date and time at the border between two different IMs. |
| |  |  | | --- | --- | | [HE30XML\_2.0\_2016/GT1/T1\_1\_1](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link10)  Type: restriction of xs:string  Annotation: Nummer / Number / numéro | *direct* | | ns1:TrainCompositionMessage/ns1:OperationalTrainNumber  Type: ns1:String1-8  Annotation: Identifies the train for traffic management purposes by the Dispatcher, GSMR services, etc. |
|  | ns1:TrainCompositionMessage/ns1:ReferenceOTN  Type: restriction of xs:anyType [0..1] |
|  | ns1:TrainCompositionMessage/ns1:ReferenceOTN/ns1:OperationalTrainNumberIdentifier  Type: restriction of xs:anyType |
|  | .../ns1:ReferenceOTN/ns1:OperationalTrainNumberIdentifier/ns1:OperationalTrainNumber  Type: ns1:String1-8  Annotation: Identifies the train for traffic management purposes by the Dispatcher, GSMR services, etc. |
|  | .../ns1:ReferenceOTN/ns1:OperationalTrainNumberIdentifier/ns1:ScheduledTimeAtHandover  Type: xs:dateTime [0..1]  Annotation: The scheduled departure date and time or the scheduled handover date and time at the border between two different IMs. |
|  | .../ns1:ReferenceOTN/ns1:OperationalTrainNumberIdentifier/ns1:ScheduledDateTimeAtTransfer  Type: xs:dateTime [0..1]  Annotation: The scheduled arrival at destination date and time or the scheduled outgoing transfer date and time at the border between two different IMs. |
|  | ns1:TrainCompositionMessage/ns1:TransferPoint  Type: ns1:LocationIdent [0..1]  Annotation: Transfer point or station of destination in the considered network |
| |  |  | | --- | --- | | [HE30XML\_2.0\_2016/GT1/T1\_4\_1](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link23)  Type: restriction of xs:string [0..1]  Annotation: Ländercode des Bestimmungslandes/ Train destination country code / pays de destination | *direct* | | ns1:TrainCompositionMessage/ns1:TransferPoint/ns1:CountryCodeISO  Type: extension of ns1:CountryIdentISO  Annotation: Identifies a County or State by code (ISO 3166-1) |
| |  |  | | --- | --- | | [HE30XML\_2.0\_2016/GT1/T1\_4\_2](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link25)  Type: restriction of xs:string [0..1]  Annotation: Bestimmungsbahnhof Code / Train destination station code / destination en code | *direct* | | ns1:TrainCompositionMessage/ns1:TransferPoint/ns1:LocationPrimaryCode  Type: ns1:Numeric1-5 |
| |  |  | | --- | --- | | [HE30XML\_2.0\_2016/GT1/T1\_4\_3](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link27)  Type: restriction of xs:string [0..1]  Annotation: Bestimmungsbahnhof Name Train destination station name/ destinationen claire | *direct* | | ns1:TrainCompositionMessage/ns1:TransferPoint/ns1:PrimaryLocationName  Type: ns1:FreeText [0..1]  Annotation: Location Name in an offication language of the Country using the ISO Unicode alphabet |
|  | ns1:TrainCompositionMessage/ns1:TransferPoint/ns1:LocationSubsidiaryIdentification  Type: restriction of xs:anyType [0..1]  Annotation: Code, Name and allocation company of Subsidiary Location |
|  | ns1:TrainCompositionMessage/ns1:TransfereeIM  Type: ns1:CompanyCode [0..1]  Annotation: Next IM |
| |  |  | | --- | --- | | [HE30XML\_2.0\_2016/GT2](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link37)  Type: restriction of xs:anyType [1..6]  Annotation: Übergabepunkte / Interchange Points / Point de transit | *direct* | | ns1:TrainCompositionMessage/ns1:TrainCompositionJourneySection  Type: restriction of xs:anyType [1..99]  Annotation: Defines the make up of a train for each section of its journey |
|  | ns1:TrainCompositionMessage/ns1:TrainCompositionJourneySection/ns1:JourneySection  Type: restriction of xs:anyType  Annotation: Defines the data provided by the IM for a journey section |
| |  |  | | --- | --- | | [HE30XML\_2.0\_2016/GT2/GT2\_4](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link41)  Type: restriction of xs:anyType [0..1]  Annotation: TCM\_Journey\_START and/or Destination PLC | *direct* | | .../ns1:TrainCompositionJourneySection/ns1:JourneySection/ns1:JourneySectionOrigin  Type: ns1:LocationIdent  Annotation: Indication of the Railway or Customer Location |
| |  |  | | --- | --- | | [.../GT2/GT2\_4/T2\_4\_1](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link44)  Type: restriction of xs:string [0..1]  Annotation: Start\_CountryCodeISO Identifies a County or State by code (ISO 3166-1) | *direct* | | .../ns1:JourneySection/ns1:JourneySectionOrigin/ns1:CountryCodeISO  Type: extension of ns1:CountryIdentISO  Annotation: Identifies a County or State by code (ISO 3166-1) |
| |  |  | | --- | --- | | [.../GT2/GT2\_4/T2\_4\_2](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link46)  Type: restriction of xs:integer [0..1]  Annotation: Start\_LocationPrimaryCode | *direct* | | .../ns1:JourneySection/ns1:JourneySectionOrigin/ns1:LocationPrimaryCode  Type: ns1:Numeric1-5 |
| |  |  | | --- | --- | | [.../GT2/GT2\_4/T2\_4\_3](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link48)  Type: restriction of xs:string [0..1]  Annotation: Start\_PrimaryLocationName Location Name in an offication language of the Country using the ISO Unicode alphabet | *direct* | | .../ns1:JourneySection/ns1:JourneySectionOrigin/ns1:PrimaryLocationName  Type: ns1:FreeText [0..1]  Annotation: Location Name in an offication language of the Country using the ISO Unicode alphabet |
|  | .../ns1:JourneySection/ns1:JourneySectionOrigin/ns1:LocationSubsidiaryIdentification  Type: restriction of xs:anyType [0..1]  Annotation: Code, Name and allocation company of Subsidiary Location |
| |  |  | | --- | --- | | [HE30XML\_2.0\_2016/GT2/GT2\_4](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link41)  Type: restriction of xs:anyType [0..1]  Annotation: TCM\_Journey\_START and/or Destination PLC | *direct* | | .../ns1:TrainCompositionJourneySection/ns1:JourneySection/ns1:JourneySectionDestination  Type: ns1:LocationIdent  Annotation: Indication of the Railway or Customer Location |
| |  |  | | --- | --- | | [.../GT2/GT2\_4/T2\_4\_4](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link4A)  Type: restriction of xs:string  Annotation: Destination\_CountryCodeISO Identifies a County or State by code (ISO 3166-1) | *direct* | | .../ns1:JourneySection/ns1:JourneySectionDestination/ns1:CountryCodeISO  Type: extension of ns1:CountryIdentISO  Annotation: Identifies a County or State by code (ISO 3166-1) |
| |  |  | | --- | --- | | [.../GT2/GT2\_4/T2\_4\_5](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link4C)  Type: restriction of xs:integer  Annotation: Destination\_LocationPrimaryCode | *direct* | | .../ns1:JourneySection/ns1:JourneySectionDestination/ns1:LocationPrimaryCode  Type: ns1:Numeric1-5 |
| |  |  | | --- | --- | | [.../GT2/GT2\_4/T2\_4\_6](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link4E)  Type: restriction of xs:string [0..1]  Annotation: Destination\_PrimaryLocationName Location Name in an offication language of the Country using the ISO Unicode alphabet | *direct* | | .../ns1:JourneySection/ns1:JourneySectionDestination/ns1:PrimaryLocationName  Type: ns1:FreeText [0..1]  Annotation: Location Name in an offication language of the Country using the ISO Unicode alphabet |
|  | .../ns1:JourneySection/ns1:JourneySectionDestination/ns1:LocationSubsidiaryIdentification  Type: restriction of xs:anyType [0..1]  Annotation: Code, Name and allocation company of Subsidiary Location |
|  | .../ns1:JourneySectionDestination/ns1:LocationSubsidiaryIdentification/ns1:LocationSubsidiaryCode  Type: extension of ns1:String1-10  Annotation: this element identifies a location as a part of primary location e.g. a junction, a signal, a passing loop etc., It is unique when used in combination with a “LocationPrimaryCode” |
|  | .../ns1:JourneySectionDestination/ns1:LocationSubsidiaryIdentification/ns1:AllocationCompany  Type: ns1:CompanyCode  Annotation: Name of company who is responsible for allocation and maintenance of codes |
|  | .../ns1:JourneySectionDestination/ns1:LocationSubsidiaryIdentification/ns1:LocationSubsidiaryName  Type: ns1:FreeText [0..1]  Annotation: To be completed in an official language of the Country using the ISO Unicode alphabet |
|  | .../ns1:TrainCompositionJourneySection/ns1:JourneySection/ns1:ResponsibilityActualSection  Type: restriction of xs:anyType  Annotation: This element identifies the responsible RU or IM for the actual path section |
| |  |  | | --- | --- | | [.../GT2/GT2\_5/T2\_5\_1](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link51)  Type: restriction of xs:positiveInteger [0..1]  Annotation: ResponsibleRU\_Actual | *direct* | | .../ns1:JourneySection/ns1:ResponsibilityActualSection/ns1:ResponsibleRU  Type: ns1:CompanyCode  Annotation: RU Responsible for the physical operation of the train or wagon |
| |  |  | | --- | --- | | [.../GT2/GT2\_5/T2\_5\_2](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link53)  Type: restriction of xs:positiveInteger [0..1]  Annotation: ResponsibleIM\_Actual | *direct* | | .../ns1:JourneySection/ns1:ResponsibilityActualSection/ns1:ResponsibleIM  Type: ns1:CompanyCode  Annotation: IM Responsible for Reporting. For Path Requests, this element has to be used - in the first journey location (origin of train) - in journey locations (could even be a network border without stopping of the train) in case where the IM on the oncoming section changes from the legal point of view. This means, the new IM has the legal responsibility for the oncoming section. |
|  | .../ns1:TrainCompositionJourneySection/ns1:JourneySection/ns1:ResponsibilityNextSection  Type: restriction of xs:anyType  Annotation: This element identifies the responsible RU and IM for the following path section |
| |  |  | | --- | --- | | [.../GT2/GT2\_5/T2\_5\_3](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link55)  Type: restriction of xs:positiveInteger [0..1]  Annotation: ResponsibleRU\_Next | *direct* | | .../ns1:JourneySection/ns1:ResponsibilityNextSection/ns1:ResponsibleRU  Type: ns1:CompanyCode  Annotation: RU Responsible for the physical operation of the train or wagon |
| |  |  | | --- | --- | | [.../GT2/GT2\_5/T2\_5\_4](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link57)  Type: restriction of xs:positiveInteger [0..1]  Annotation: ResponsibleIM\_Next | *direct* | | .../ns1:JourneySection/ns1:ResponsibilityNextSection/ns1:ResponsibleIM  Type: ns1:CompanyCode  Annotation: IM Responsible for Reporting. For Path Requests, this element has to be used - in the first journey location (origin of train) - in journey locations (could even be a network border without stopping of the train) in case where the IM on the oncoming section changes from the legal point of view. This means, the new IM has the legal responsibility for the oncoming section. |
|  | ns1:TrainCompositionMessage/ns1:TrainCompositionJourneySection/ns1:TrainRunningData  Type: restriction of xs:anyType  Annotation: Train relevant data for a running train |
| |  |  | | --- | --- | | [core.constant("")](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#LinkF1) | *direct*  Annotation:  Not available in H30 XSD but can be compiled from the tags from GW1 to GWA4 (which contain similar data but at wagon level). >> not blocking | | .../ns1:TrainCompositionJourneySection/ns1:TrainRunningData/ns1:TrainRunningTechData  Type: restriction of xs:anyType  Annotation: Shows the relevant techical data for a running train |
|  | .../ns1:TrainRunningData/ns1:TrainRunningTechData/ns1:TrainType  Type:  Annotation:   1 Passenger train Commercial train with passenger coaches or trainsets Empty run of Train with passenger coaches or trainsets Including Crew train (for Train Crew Members) 2 Freight train Train with freight wagons 3 Light engine (locomotive train) One or more engines without any carriages 4 Engineering train Train for measurement, maintenance, instructions, homologation, etc 0 Other Train types that are not covered with the four codes given above can be codified as "other" in the messages Passenger with Freight - military trains, the Overnight Express; Royalty, Head of States |
|  | .../ns1:TrainRunningData/ns1:TrainRunningTechData/ns1:TrainWeight  Type:  Annotation: The sum of all weights of wagons and traction units |
|  | .../ns1:TrainRunningData/ns1:TrainRunningTechData/ns1:TrainLength  Type: ns1:Numeric4-4  Annotation: The calculated Length of a train (sum of all length over buffer of the wagons and traction units). Expressed in Metres |
|  | .../ns1:TrainRunningData/ns1:TrainRunningTechData/ns1:TrainCC\_System  Type: ns1:TrainCC\_Syst [0..9]  Annotation: Type of Train Control System by code (UIC 407-1) |
|  | .../ns1:TrainRunningData/ns1:TrainRunningTechData/ns1:TrainRadioSystem  Type: restriction of xs:token [0..9]  Annotation: The on board radio system of the train in coded format |
|  | .../ns1:TrainRunningData/ns1:TrainRunningTechData/ns1:TrainMaxSpeed  Type: ns1:Speed [0..1]  Annotation: The max. possible speed of a train in km/h |
|  | .../ns1:TrainRunningData/ns1:TrainRunningTechData/ns1:MaxAxleWeight  Type: restriction of xs:int [0..1]  Annotation: Maximum allowed axle weight for a wagon within a train. Unit in tonnes per axle |
|  | .../ns1:TrainRunningData/ns1:TrainRunningTechData/ns1:BrakeType  Type: restriction of xs:token [0..1]  Annotation: Type of braking system.   additional:  X For indication: brake system of the freight wagon out of order (actually / current) |
|  | .../ns1:TrainRunningData/ns1:TrainRunningTechData/ns1:BrakeWeight  Type: restriction of xs:int [0..1]  Annotation: Shows the Braked mass of the wagon according to the type of the braking system, in Tonnes |
|  | .../ns1:TrainRunningData/ns1:TrainRunningTechData/ns1:NumberOfVehicles  Type: restriction of xs:integer [0..1]  Annotation: The sum of number of wagons and number of traction units |
|  | .../ns1:TrainRunningData/ns1:TrainRunningTechData/ns1:NumberOfAxles  Type: restriction of xs:integer [0..1]  Annotation: The sum of number of axles of all wagons and all traction units |
|  | .../ns1:TrainCompositionJourneySection/ns1:TrainRunningData/ns1:ExceptionalGaugingInd  Type: ns1:InfoIndex [0..1]  Annotation: Indicates that an exceptional Gauging is in the train or for the wagon |
|  | .../ns1:TrainCompositionJourneySection/ns1:TrainRunningData/ns1:DangerousGoodsIndication  Type: ns1:DanGoodsType [0..1]  Annotation: Identifies the Dangerous Goods by code |
|  | .../ns1:TrainCompositionJourneySection/ns1:TrainRunningData/ns1:Activities  Type: restriction of xs:anyType [0..99] |
|  | ns1:TrainCompositionMessage/ns1:TrainCompositionJourneySection/ns1:LocoIdent  Type: restriction of xs:anyType [0..∞]  Annotation: Defines the actual Type, the number and the mode of deployment of a traction unit of the freight train |
| |  |  | | --- | --- | | [.../GWLS/GWLS\_6/WLS\_6](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#LinkBD)  Type: restriction of xs:short  Annotation: Merkmal / Characteristic / chcaractéristique | *direct* | | ns1:TrainCompositionMessage/ns1:TrainCompositionJourneySection/ns1:LivestockOrPeopleIndicator  Type: restriction of xs:integer  Annotation: Indicates that livestock and people (other than train crew) will be carried. Coding: if live animals or people are transported = 1, in opposite case = 0. If code = 1, then at the wagon level for at least one wagon Info- Goods Shape, Type and Danger has to include the code '98' or Restrictions due to Load or Damage has to include code '09.' |
| |  |  | | --- | --- | | [HE30XML\_2.0\_2016/GW](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link67)  Type: restriction of xs:anyType [0..99]  Annotation: Angaben zum Wagenzug (A-Z) / Wagon list (A-Z) / Liste des wagons (A-Z) | *direct* | | ns1:TrainCompositionMessage/ns1:TrainCompositionJourneySection/ns1:WagonData  Type: restriction of xs:anyType [1..∞]  Annotation: Wagon relevant data for the wagons within a running train |
| |  |  | | --- | --- | | [.../GW/GW1/I1\_0](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link6A)  Type: restriction of xs:string  Annotation: 1.0 - Wagennummer / WagonNumber/ numéro de wagon | *direct* | | .../ns1:TrainCompositionJourneySection/ns1:WagonData/ns1:WagonNumberFreight  Type: ns1:WagonIdent  Annotation: Identifies uniquely the freight wagon by its number |
| |  |  | | --- | --- | | [core.constant(99)](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link102) | *direct*  Annotation:  In H30 XSD available in the tag GW (shows the sorting start from loco or from end of train) and wagon position can be derived from the position individual wagon data in the XML message | | .../ns1:TrainCompositionJourneySection/ns1:WagonData/ns1:WagonTrainPosition  Type: restriction of xs:int  Annotation: Identifies the position of a wagon within a train. Sequential number starting with the first wagon at the front of train as N°1. |
|  | .../ns1:TrainCompositionJourneySection/ns1:WagonData/ns1:WagonOperationalData  Type: restriction of xs:anyType  Annotation: Actual wagon parameters, dependent on load or damage. This group and its elements are optional (contract defines what IM requires). But if there is dangerous goods in the train, then this group is mandatory. |
| |  |  | | --- | --- | | [.../GW/GWA/WA\_2](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#LinkC4)  Type: restriction of xs:string  Annotation: Bremsart aktuell / Braking system actual / régime de freinage | *direct* | | .../ns1:WagonData/ns1:WagonOperationalData/ns1:BrakeType  Type: restriction of xs:token [0..1]  Annotation: Type of braking system.   additional:  X For indication: brake system of the freight wagon out of order (actually / current) |
| |  |  | | --- | --- | | [.../GW/GWA/WA\_1](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#LinkC2)  Type: restriction of xs:short  Annotation: Bremsgewicht aktuell / BrakeWeight actual/ masse | *direct* | | .../ns1:WagonData/ns1:WagonOperationalData/ns1:BrakeWeight  Type: restriction of xs:int [0..1]  Annotation: Shows the Braked mass of the wagon according to the type of the braking system, in Tonnes |
| |  |  | | --- | --- | | [.../GW/GW1/I1\_2](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link6E)  Type: restriction of xs:short  Annotation: 1.2 - Bauartbedingte Höchstgeschwindigkeit / Maximum speed, depending on design characteristics / Régime de vitesse, lié à la construction | *direct* | | .../ns1:WagonData/ns1:WagonOperationalData/ns1:WagonMaxSpeed  Type: restriction of xs:int [0..1]  Annotation: Maximum allowed speed of the wagon according to the load and entry in the Rolling Stock Databases. In kmh |
|  | .../ns1:WagonData/ns1:WagonOperationalData/ns1:ExceptionalGaugingProfile  Type: restriction of xs:string [0..1]  Annotation: Identification of special load. Coding found in 404-2 chapter 4.9.1 (4AN + 3N) |
|  | .../ns1:WagonData/ns1:WagonOperationalData/ns1:ExceptionalGaugingIdent  Type: restriction of xs:anyType [0..1]  Annotation: Indicates that an exceptional Gauging is in the train or for the wagon |
|  | .../ns1:WagonData/ns1:WagonOperationalData/ns1:DangerousGoodsDetails  Type: restriction of xs:anyType [0..99] |
|  | .../ns1:WagonData/ns1:WagonOperationalData/ns1:InfoOnGoodsShapeTypeDanger  Type: restriction of xs:token [0..9]  Annotation: Additional codified information on the load. Coding Structures as defined in 404-2 chapter 4.1  Codes to add are given in the table below: 96 Environmentally hazardous substance (RID 5.2.1.8) 97 More than 8 tons of dangerous goods packaged in limited quantities (LQ)  The following documentation serves for the existing codes: 1 Container 2 Other intermodal traffic 3 Rolling road (RR) 6 Semi-Trailer on bogies 10 1 - danger of explosion (subclass 1.1, 1.2, 1.3) 14 1.4 - danger of explosion (subclass 1.4) 15 1.5 - danger of explosion (subclass 1.5) 16 1.6 - danger of explosion (subclass 1.6) 21 2.1 - inflammable gases 22 2.2 - non inflammable,non-toxic gases 23 2.3 - toxic gases 30 3 - fire hazard (inflammable liquids) 41 4.1 - fire hazard (inflammable solids) 42 4.2 - spontaneoulsy inflammable 43 4.3 - gives off inflammable gas on contact with water 51 5.1 - combustible substance 52 5.2 - organic peroxide 61 6.1 - toxic substance 62 6.2 - infectious substance 71 7A - radioactive substance in category I packing WHITE 72 7B - radioactive substance in category II packing YELLOW 73 7C - radioactive substance in category III packing YELLOW 74 7D - Common label for radioactive substances included under 7A, 7B + 7C 75 7E - fissible substance 80 8 - corrosive substance 90 Various dangerouse substance and objects not covered by the other classes 98 Livestock 99 Perishables |
| |  |  | | --- | --- | | [.../GW/GW2/I2\_4](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#LinkA5)  Type: restriction of xs:string [0..7]  Annotation: Schadensbedingte Beschränkung / Restriction due to irregularity / Restriction due aux avaries | *direct* | | .../ns1:WagonData/ns1:WagonOperationalData/ns1:RestrictionsDueToLoadOrDamage  Type: ns1:RestrictionCodes [0..9]  Annotation: These are possible restrictions applicable in the originating country to shunting operations in stations and to main-line movements on account of the nature of the load. Coding in Restriction Codes (according to UIC Leaflet 920-13) |
| |  |  | | --- | --- | | [.../GW/GWL/WL1](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#LinkAA)  Type: restriction of xs:int  Annotation: GesamtGewicht der Ladungen / WeightOfLoads / Masse du chargements | *direct* | | .../ns1:WagonData/ns1:WagonOperationalData/ns1:TotalLoadWeight  Type: ns1:WeightValueKilo [0..1]  Annotation: The total weight of the transportation unit on the freight wagon. This is the booked or actual weight of goods including packing and carrier's equipment |
|  | .../ns1:TrainCompositionJourneySection/ns1:WagonData/ns1:WagonTechData  Type: restriction of xs:anyType  Annotation: This element shows the wagon relevant technical data for the wagons within a running train |
| |  |  | | --- | --- | | [.../GW/GW1/I1\_3](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link70)  Type: restriction of xs:int  Annotation: 1.3 - Länge über Puffer / LengthOverBuffers / Longueur hors tampons | *direct* | | .../ns1:WagonData/ns1:WagonTechData/ns1:WagonLength  Type: restriction of xs:int  Annotation: Length over buffers in cms |
| |  |  | | --- | --- | | [.../GW/GW1/I1\_1](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link6C)  Type: restriction of xs:byte  Annotation: 1.1 - Anzahl der Achsen / NumberOfAxles / Nombre d'essieux | *direct* | | .../ns1:WagonData/ns1:WagonTechData/ns1:WagonNumberOfAxles  Type:  Annotation: Number of Axels for a wagon |
| |  |  | | --- | --- | | [.../GW1/G1\_8/I1\_8\_1](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link7C)  Type: restriction of xs:string  Annotation: Bremsart (Code) / Braking system code / régime de freinage | *direct* | | .../ns1:WagonData/ns1:WagonTechData/ns1:AirBrakeType  Type: [0..1]  Annotation: Classification of air brake. additional code: 8 No air brake or brake pipe The code is defined in UIC Leaflet 920-13. |
| |  |  | | --- | --- | | [.../GW1/G1\_8/I1\_8\_2](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link7E)  Type: restriction of xs:string [0..1]  Annotation: Umstellhebel für die lastabhängige Bremsung / BrakingPowerVariationDevice / dispositif de variation de la puissance de freinage en fonction de la charge | *direct* | | .../ns1:WagonData/ns1:WagonTechData/ns1:BrakingPowerVariationDevice  Type: [0..1]  Annotation: Coding in 404-2, chapter 1.8 |
| |  |  | | --- | --- | | [.../GW1/G1\_8/I1\_8\_4](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link81)  Type: restriction of xs:short [0..7]  Annotation: Wert des charakteristischen Gewichts / ValueOfCharacteristicMass / valeur de la masse caractéristique | *direct* | | .../ns1:WagonData/ns1:WagonTechData/ns1:AirBrakeSpecialCharacteristic  Type: restriction of xs:integer [0..1]  Annotation: Coding in 404-2, chapter 1.8 |
| |  |  | | --- | --- | | [.../GW1/G1\_7/I1\_7\_1](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link76)  Type: restriction of xs:string  Annotation: Art der Handbremse / TypeOfHandbrake / type de frein à main | *direct* | | .../ns1:WagonData/ns1:WagonTechData/ns1:HandBrakeType  Type: [0..1]  Annotation: Classification of hand brake:   0 No hand brake 1 Ground-operated hand brake 2 Platform-operated hand brake |
| |  |  | | --- | --- | | [.../GW1/G1\_7/I1\_7\_2](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link78)  Type: restriction of xs:byte [0..1]  Annotation: Handbremsgewicht to / BrakedWeight to / masse freinée to | *direct* | | .../ns1:WagonData/ns1:WagonTechData/ns1:HandBrakeBrakedWeight  Type: ns1:Numeric3-3 [0..1]  Annotation: Coding in 404-2, chapter 1.7 |
| |  |  | | --- | --- | | [.../GW/GW1/I1\_11](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link85)  Type: restriction of xs:short [0..1]  Annotation: 1.11 - Höhe der Ladeebene des unbeladenen Wagens / Height of loading plane in unladen state / Hauteur du plan de chargement à l'état non chargé | *direct* | | .../ns1:WagonData/ns1:WagonTechData/ns1:NormalLoadingGauge  Type: restriction of xs:token [0..1]  Annotation: Wagon or load gauge code used in UK, coded in UIC 505-1 and 503:  All codes are defined in the UIC Leaflet 505-1 and 503, as well as in the EN 15273-2. For details please refer to EN 15273-2:2013 (Railway applications - Gauges - Part 2: Rolling stock gauge). For the existing gauges in the list, the Annex B.3 should be used. For the new ones, use the table below. Candidate: G1, G2, GA, GB, GC, CM, CE, M2, M3, M4, GB1, GB2, GB-M6, GHE16, W6-A.  Lately added: G1 Annex A.3 G2 Annex E.1.2 GB2 Annex C.1.2 GB-M6 Annex N.4 (annex currently in preparation) GHE16 Annex P.3 W6-A W6a is designed for non- bogied wagons with axle spacings of 12.8m (42'), and 18.3m length (60') |
| |  |  | | --- | --- | | [.../GW/GW1/I1\_4](file:///T:\Technical%20Specifications%20-%20TSIs\WP%20TAF\WG%2010%20TAF%20Implementation\99%20Other%20documents\Compliance%20mapping\DB%20Cargo\Transform%20H30%20%20to%20TAF%20XSD.doc#Link72)  Type: restriction of xs:int  Annotation: 1.4 - Eigengewicht / Tara / Tare | *direct* | | .../ns1:WagonData/ns1:WagonTechData/ns1:WagonWeightEmpty  Type: ns1:WeightValueKilo  Annotation: The weight of an empty wagon according to the entry in the rolling stock database |
|  | .../ns1:WagonData/ns1:WagonTechData/ns1:TechnicalRestrictions  Type: ns1:Numeric2-2 [0..6] |





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1. See : <https://uic.org/freight-IT> [↑](#footnote-ref-1)
2. See : <http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32014R1305&from=EN> – chapter 4.2.3.2 [↑](#footnote-ref-2)