

 OTIF	ROLLING STOCK FREIGHT WAGONS – ANNEX O			UTP WAG - O Page 1 of 1
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APTU Uniform Rules (Appendix F to COTIF 1999)

Uniform Technical Prescriptions (UTP) applicable to Rolling Stock, subsystem

FREIGHT WAGONS - (UTP WAG) - ANNEX O

ENVIRONMENTAL CONDITIONS - T_{RIV} REQUIREMENTS

Explanatory note:

The texts of this UTP which appear without columns are identical with corresponding texts of the European Union regulations. Texts which appear in two columns differ; left-hand column contains the UTP regulations, right-hand column shows the text in the corresponding EU regulations. The text in the right hand column is for information only and not part of the OTIF regulations.

OTIF UTP

| Corresponding text in EU regulations ¹

EU ref. ²

DESIGN LEVEL FOR TEMPERATURE CLASS T_{RIV}

This table specifies temperature ranges for components used on interoperable freight wagons in operation before the implementation of this UTP.

| TSI.

Component	Specification
Buffers with a stroke of 105 mm	In the temperature-range from - 25 bis + 50 °C the technical values must not differ more than 20 % from the value at 'room-temperature'
Buffers with a stroke of 130 and 150 mm	In the temperature-range from - 25 bis + 50 °C the technical values must not differ more than 20 % from the value at 'room-temperature'.
Brakes – Regulations governing the construction of different types of braking gear — Simple pressure receptacles of steel, not fired, for air braking equipment and auxiliary pneumatic equipment for railway rolling stock	Temperature range for pressure receptacles: - 40 °C to + 100 °C
Brakes – Regulations concerning manufacture of the different brake parts: Derailment detectors for wagons	Temperature range from - 40 °C to + 70 °C
Dimensions of hose connections (brake hoses) and electric cables; types of pneumatic and electric connections and their positioning on wagons and coaches equipped with automatic couplers of the UIC and OSJD Member Railways	Temperature range from - 40 °C to + 70 °C
Technical specification for the official testing and supply of greases intended for the lubrication of railway vehicle roller bearing axle boxes	Min. Temperature for testing: - 20 °C

¹ TSI Freight Wagons – The Annex to the Commission Decision 2006/861/EC published in the EU Official Journal L344 on 08.12.2006 as amended by Commission Decision 2009/107/EC published in EU Official Journal L45 on 14.02.2009.

² If no EU reference is indicated, it means that the chapter/section number is the same as in the OTIF text.