

 <b>OTIF</b>	<b>ROLLING STOCK FREIGHT WAGONS – ANNEX E</b>		UTP WAG - E Page 1 of 2	
	Status: <b>PROPOSAL</b>	Version: 01	Ref.: A 94-02-E/2.2011	Original: EN

## APTU Uniform Rules (Appendix F to COTIF 1999)

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

### FREIGHT WAGONS - (UTP WAG) - ANNEX E VEHICLE TRACK INTERACTION AND GAUGING

*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 <sup>1</sup>

EU ref. <sup>2</sup>

### WHEELSET DIMENSIONS AND TOLERANCES FOR STANDARD GAUGE (1435 mm)

Table E.1

Designation	Wheel diameter (mm)	Minimum value (mm)	Maximum value (mm)
Distance between flange contact faces ( $S_R$ ) $S_R = A_R + S_d(\text{left wheel}) + S_d(\text{right wheel})$	$\geq 840$	1410	1426
	$< 840$ and $\geq 330$	1415	1426
Back to back distance ( $A_R$ )	$\geq 840$	1357	1363
	$< 840$ and $\geq 330$	1359	1363
Width of the rim ( $B_R$ )	$\geq 330$	133	140 <sup>(1)</sup>
Thickness of the flange ( $S_d$ )	$\geq 840$	22	33
	$< 840$ and $\geq 330$	27,5	33
Height of the flange ( $S_h$ )	$\geq 760$	28	36
	$< 760$ and $\geq 630$	30	36
	$< 630$ and $\geq 330$	32	36
Face of flange ( $q_R$ )	$\geq 330$	6,5	
Wheel tread defects, e.g. wheel flats, shelled treads, cracks, grooves, cavities etc	National rules apply until EN is published *		
<sup>(1)</sup> Burr value included			

The dimensions  $S_R$  and  $A_R$  are measured at the top surface of the rail, and shall be complied with for freight wagons in laden and tare conditions and for loose wheelsets. For specific vehicles smaller tolerances within the above limits may be specified by the vehicle supplier.

- \* For wagons subject to section 7.6.4 of the UTP WAG, the wheel tread defects will be considered in the maintenance frame. 2009/  
107/EC  
JJ.2,  
1.5

<sup>1</sup> 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.

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



Fig. E.1

