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

### Uniform Technical Prescriptions (UTP) relating to the Subsystem Rolling Stock

### FREIGHT WAGONS - ANNEX Q

### ASSESSMENT PROCEDURES FOR

### DIFFERENT TYPES OF INTEROPERABILITY CONSTITUENTS

#### 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>

### MODULES FOR INTEROPERABILITY CONSTITUENTS (ICs)

#### Q.1 CHARACTERISTICS OF THE ICs


The characteristics of the interoperability constituents to be assessed in the different phases of design and production are marked by an 'X' in Table Q.1.

Table Q.1

Characteristics to be assessed	Assessment in the following phase						
	Design and development phase				Production phase (Series)	Modules *	
	Design review	Review of manufacturing process	Type tests	In service experience Module CV ( V*)		UTP WAG	TSI WAG *
Buffers, conventional					X	CA, CH	A, H1
Buffers, new design	X	X	X		X	CB+CF, CB+CD, CH	B+F, B+D, H1
Screw coupler, conventional			X		X	CA, CH	A, H1
Decals for marking			X		X	CA, CB+CC, CH	A, B+C, H1
Bogie and running gear, conventional					X	CA1, CA2, CH	A1, H1

<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.


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Characteristics to be assessed	Assessment in the following phase						
	Design and development phase				Production phase	Modules *	
	Design review	Review of manufacturing process	Type tests	In service experience Module CV ( V*) <sup>(4)</sup>	(Series)	UTP WAG* <sup>(4)</sup>	TSI WAG *
Bogie and running gear, new design	X	X	X	X	X	CB+CD, CB+CF, CH1, CV	B+D, B+F, H2, V
Wheelsets, conventional					X	CA1, CA2, CH	A1, H1
Wheelsets, new design	X	X	X	X	X	CB+CD, CB+CF, CH1, CV	B+D, B+F, H2, V
Wheels, conventional					X	CA1, CA2, CH	A1, H1
Wheels, new	X	X	X	X	X	CB+CD, CB+CF, CH1, CV	B+D, B+F, H2, V
Axles, conventional					X	CA1, CA2, CH	A1, H1
Axles, new	X	X	X	X	X	CB+CD, CB+CF, CH1, CV	B+D, B+F, H2, V
Roller bearings, conventional					X	CA1, CA2, CH	A1, H1
Roller bearings, new	X	X	X	X	X	CB+CD, CB+CF, CH1, CV	B+D, B+F, H2, V <sup>3</sup>
Distributor valve <sup>(1)</sup>	X	X	X	12 Month after modifying an existing model or 24 Month for other cases	X	CB+CD, CB+CF, CH1, CV <sup>(2)</sup>	B+D, B+F, H2, V <sup>(2)</sup>
Relay valve for variable load <sup>(1)</sup>	X	X	X	12 Month	X	CB+CD, CB+CF, CH1, CV <sup>(2)</sup>	B+D, B+F, H2, V <sup>(2)</sup>
Wheel slide protection device <sup>(1)</sup>	X	X	X	12 Month	X	CB+CD, CB+CF, CH1, CV <sup>(2)</sup>	B+D, B+F, H2, V <sup>(2)</sup>
Slack adjuster <sup>(1)</sup>	X	X	X	12 Month	X	CB+CD, CB+CF, CH1, CV <sup>(2)</sup>	B+D, B+F, H2, V <sup>(2)</sup>


<sup>3</sup> Module V is not included in current TSI Annex Q.

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Characteristics to be assessed	Assessment in the following phase						
	Design and development phase				Production phase	Modules *	
	Design review	Review of manufacturing process	Type tests	In service experience Module CV ( V*) <sup>(4)</sup>	(Series)	UTP WAG* <sup>(4)</sup>	TSI WAG *
Brake cylinder/actuator <sup>(1)</sup>	X	X	X	12 Month	X	CB+CD, CB+CF, CH1, CV <sup>(2)</sup>	B+D, B+F, H2, V <sup>(2)</sup>
Relay valve for automatic emptyload change-over <sup>(1)</sup>	X	X	X	12 Month	X	CB+CD, CB+CF, CH1, CV <sup>(2)</sup>	B+D, B+F, H2, V <sup>(2)</sup>
Pneumatic half coupling <sup>(1)</sup>	X	X	X	12 Month	X	CB+CD, CB+CF, CH1, CV <sup>(2)</sup>	B+D, B+F, H2, V <sup>(2)</sup>
End cock <sup>(1)</sup>	X	X	X	12 Month	X	CB+CD, CB+CF, CH1, CV <sup>(2)</sup>	B+D, B+F, H2, V <sup>(2)</sup>
Isolating device for distributor valve <sup>(1)</sup>	X	X	X	12 Month	X	CB+CD, CB+CF, CH1, CV <sup>(2)</sup>	B+D, B+F, H2, V <sup>(2)</sup>
Brake pad and disk <sup>(1)</sup>	X	X	X	12 Month	X	CB+CD, CB+CF, CH1, CV <sup>(2)</sup>	B+D, B+F, H2, V <sup>(2)</sup>
Brake blocs <sup>(1)</sup>	X	X	X	12 Month	X	CB+CD, CB+CF, CH1, CV <sup>(2)</sup>	B+D, B+F, H2, V <sup>(2)</sup>
Brake pipe emptying accelerator valve <sup>(1)</sup>	X	X	X	12 Month	X	CB+CD, CB+CF, CH1, CV <sup>(2)</sup>	B+D, B+F, H2, V <sup>(2)</sup>
Automatic variable load sensing <sup>(1)</sup>	X	X	X	12 Month	X	CB+CD, CB+CF, CH1, CV <sup>(2)</sup>	B+D, B+F, H2, V <sup>(2)</sup>
Empty/load change-over device <sup>(1)</sup>	X	X	X	12 Month	X	CB+CD, CB+CF, CH1, CV <sup>(2)</sup>	B+D, B+F, H2, V <sup>(2)</sup>
<sup>(1)</sup> For an IC already admitted, the assessment is limited to the 'integration test' when installed on the subsystem (new wagon) and 'Series' test during the production phase. <sup>(2)</sup> When a result from one module is relevant for an other module, it is not necessary to repeat the test. <sup>(3)</sup> The assessment of the manufacturing process is not necessary for a new IC, or for a different kind of IC, if there is little or no difference to an existing assessed manufacturing process, for example a distributor and empty/load change-over device.							
				<sup>(4)</sup> Module CV cannot stand alone; it must be used in combination with one of the other combinations CB+CD, CB+CF or CH1			

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EU ref. <sup>2</sup>

## NOTE \*:

The modules referred to above in column UTP WAG are defined in UTP GEN-D Assessment procedures.

The abbreviations of the modules have been updated to the new terminology as used in UTP GEN-D. The letter C has been added to the former abbreviations shown in TSI WAG (version 2006) and former H1 is now CH and former H2 is now CH1.

When assessing according to TSI WAG in force (version 2006), the “old” modules are to be used until a revised TSI WAG will enter into force. These “old” modules are part of Annex Q of TSI WAG.