

## **Catalogue of irregularities including classification into categories for use in the Quality Management System**

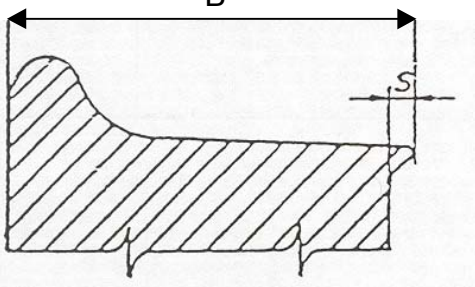
### **Contents**

- 1 - Running gear
- 2 - Suspension
- 3 - Brake
- 4 - Wagon underframe and bogie frame
- 5 - Buffing and draw gear
- 6 - Wagon body
  - 6.1 - Body in general
  - 6.2 - Covered wagons
  - 6.3 - Open wagons
  - 6.4 - Flat wagons
  - 6.5 - Tank wagons
  - 6.6 - Wagons with special fittings
- 7 - Loads and load units
  - 7.1 - Load in general
  - 7.2 - Load securing equipment
  - 7.3 - Type of load and load securing methods
  - 7.4 - Special types of consignment
  - 7.5 - Specific components of load units
  - 7.6 - Gear for securing load units on container wagons
  - 7.7 - Loading of load units
  - 7.8 - Marking, coding for intermodal transport



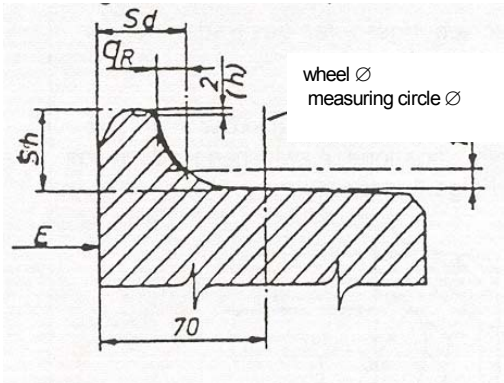
Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Running gear</b>	1			
<b>Tyred wheel</b>	1.1	Thickness less than		
	1.1.1	35 mm on wagons suitable for running at 120 km/h (SS wagons or wagons marked **) } - 30 mm on other wagons <sup>1)</sup> .....	Detach wagon	4
	1.1.2	Tyre } - broken - cracked lengthways or crossways	Detach wagon	5
	1.1.3	Tyre loose - check marks displaced or - unclear ring or - tyre clip loose or appearance of rust between the tyre and the rim over more than one third of the circumference	Detach wagon	5
	1.1.4	Inspection marks } - missing - not clearly identifiable	Detach wagon	4
	1.1.5	Tyre shifted sideways - tyre clip loose or visibly distorted	Detach wagon	5
	1.1.6	Damage to tyre clip - cracked - broken - missing	Detach wagon	5

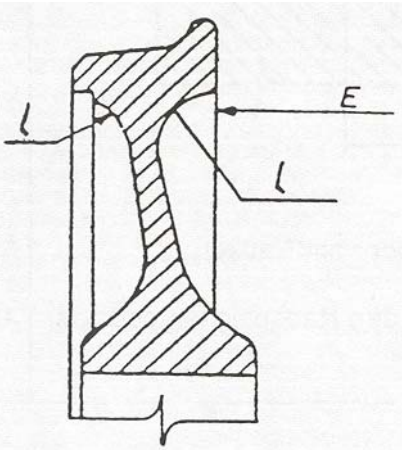
1) Including wagons that can only be operated at 120 km/h when empty

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
Solid wheel	1.2			
	1.2.1	Groove marking the minimum thickness is no longer fully visible in cross-section <sup>1)</sup>	Detach wagon	4
	1.2.2	Thermal overload due to braking <ul style="list-style-type: none"> <li>recent paint burns of 50 mm or more at connection between rim and wheel plate</li> <li>traces of rust on rim (plate not painted)</li> <li>fusion of brake blocks</li> <li>deterioration of wheel tread with build-up of metal (see also code 1.3.4)</li> </ul>	Measure as for 1.7.1 except for wheels braked with cast-iron blocks and marked as being able to withstand high thermal stresses	
	1.2.2.1	- without gauge widening of the inner faces	K + R1 (Isolate brake)	4
	1.2.2.2	- with gauge widening of the inner faces	Detach wagon	5
Tyre or corresponding part of solid wheel	1.3			
	1.3.1	Width greater than 140 mm and less than 133 mm <ul style="list-style-type: none"> <li>presence of a projection ("S")</li> </ul> 	Detach wagon	4
	1.3.2	Tread crushed in places, uneven contact surfaces or irregular burns on the wheel rim.	Detach wagon	4

<sup>1)</sup> The outer groove indicates the minimum thickness (wear groove) for wheels with one or more grooves.

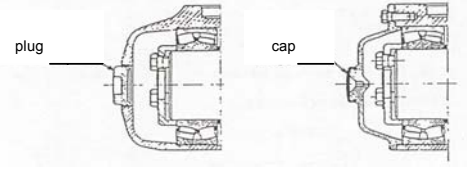
Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
	1.3.3	Wheel flat		
	1.3.3.1	wheel $\varnothing \geq 630$ mm and flats longer than 60 mm	Detach wagon	4
	1.3.3.2	wheel $\varnothing < 630$ mm and flats longer than 30 mm	Detach wagon	4
	1.3.4	Build-up of metal		
	1.3.4.1	Wheel $\varnothing \geq 630$ mm and metal build-up over a length of $> 60$ mm or $\geq 1$ mm thick	Detach wagon	4
	1.3.4.2	Wheel $\varnothing \geq 630$ mm and metal build-up over a length of $> 10$ mm $\leq 60$ mm and $< 1$ mm thick	M + R1 (Isolate brake)	3
	1.3.4.3	Wheel $\varnothing < 630$ mm and metal build-up over a length of $> 30$ mm or $\geq 1$ mm thick	Detach wagon	4
	1.3.4.4	Wheel $\varnothing < 630$ mm and metal build-up over a length of $> 10$ mm $\leq 30$ mm or $< 1$ mm thick	M + R1 (Isolate brake)	3
	1.3.5	Cavity, shelling or flaking $> 60$ mm long on wheel tread	Detach wagon	4
	1.3.6	Cracks and notches		
	1.3.6.1	Crack at the interface between the wheel tread and the front edge	Detach wagon	5
	1.3.6.2	Sharp-angled notches on the front face (rim or inner tyre rim) caused by clamping equipment or jaws except for markings applied by the manufacturer	K	4
	1.3.7	Deposits of paint, varnish, oil or lubricants on wheel tread edge except for control marks (4 marks positioned $90^\circ$ apart)	Detach wagon	5

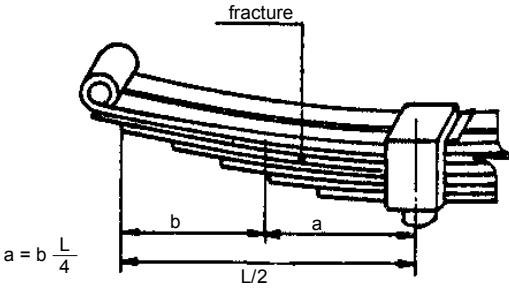
Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
Flange	1.4			
	1.4.1	Height of flange $S_h$ greater than 36 mm • hollow on wheel tread	Detach wagon	4
	1.4.2	Flange thickness $S_d$ : - wheel $\varnothing \geq 840$ mm in general: $T < 22$ mm - wheel $\varnothing < 840$ mm but $\geq 630$ mm $T < 27.5$ mm worn flange	Detach wagon	5
	1.4.3	Wear of guide faces - $q_R \leq 6.5$ mm (see Annex 4) • sharp flange	Detach wagon	5
	1.4.4	Burrs or sharp edges on guide face at a distance $h > 2$ mm from maximum height of flange (see also Annex 4) 	Detach wagon	5
Wheel centre	1.5			
	1.5.1	Crack in hub or in wheel centre or defect repaired by welding	Detach wagon	5
	1.5.2	Crack or break of spoke or rim	Detach wagon	5

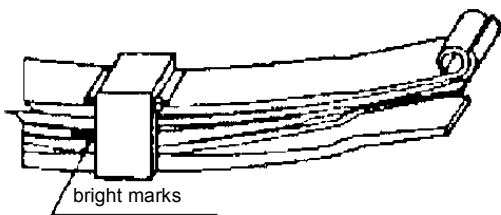
Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
Axle	1.6			
	1.6.1	Damage to axle <ul style="list-style-type: none"> <li>- cracked</li> <li>- deformed (see also no. 1.7.1)</li> <li>- defect repaired by welding</li> <li>- sharp edge</li> <li>- worn to a depth of more than 1 mm</li> </ul>	Detach wagon	5
	1.6.2	Worn to a depth of < 1 mm, no sharp edges	K + R1 (Isolate brake)	4
	1.6.3	Part rubbing against axle	Tie up + K, if necessary R1 (isolate brake); if not possible, detach wagon	4
Wheelset	1.7			
	1.7.1	<p>Clearance E between internal faces non-compliant with the following limit values:</p> <ul style="list-style-type: none"> <li>- <math>\varnothing \geq 840</math> mm 1357 mm <math>\leq</math> E <math>\leq</math> 1363 mm</li> <li>- <math>\varnothing &lt; 840</math> mm 1359 mm <math>\leq</math> E <math>\leq</math> 1363 mm</li> </ul> <p>If in all cases  <math>E_{max} - E_{min} &gt; 2</math> mm <ul style="list-style-type: none"> <li>• signs of derailment</li> <li>• signs of movement of wheel on axle</li> <li>• heating (solid wheel) in "I" fillet zone between web and rim/tyre</li> </ul> </p> 	Detach wagon	5

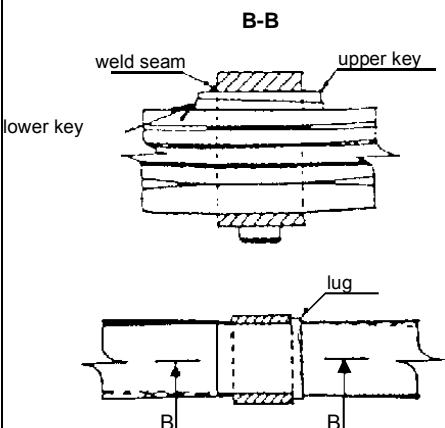
Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
Signs of out-of-round wheels	1.7.2	<p>Brake triangle pin sheared off</p> <p>Brake safety stirrup broken (see also no. 3.1.2)</p> <p>Shiny traces on the brake triangle end washer</p> <p>Shiny traces on the inner spring (load spring) (see also no. 2.5)</p> <p>Lifting safety catch ("T") missing or loose (see also no. 2.5.5)</p> <p>Y25 bogies: hard manganese wear plates on axle boxes or axle-box guides missing or welded joints loose (see also no. 4.4.2)</p> <p>Tread crushed in places, uneven contact surfaces or irregular burns on the wheel rim (see no. 1.3.2)</p>	<p>If at least two of these signs are noted on or near a wheel: K + add comment "Suspected out-of-round wheel"</p>	4

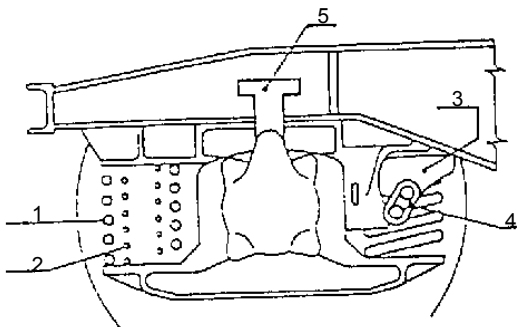


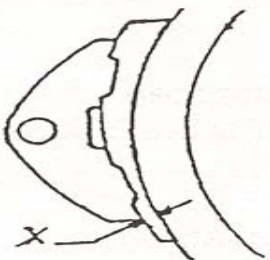
Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
Axle box	1.8			
	1.8.1	<p>Housing not watertight</p> <ul style="list-style-type: none"> <li>- loss of lubricant</li> <li>- defect permitting water or dust to enter</li> </ul> <p>(NB: the loss of the protective cover of the centring cone is permissible)</p> 	Detach wagon	4
	1.8.2	<p>Axle-box guides no longer able to guide the axle</p> <ul style="list-style-type: none"> <li>• guide broken</li> <li>• axle-box in abnormal position</li> </ul>	Detach wagon	5
	1.8.3	<p>Hot box</p> <ul style="list-style-type: none"> <li>- housing too hot to touch with back of hand</li> <li>• traces of rust</li> </ul>	Detach wagon	5

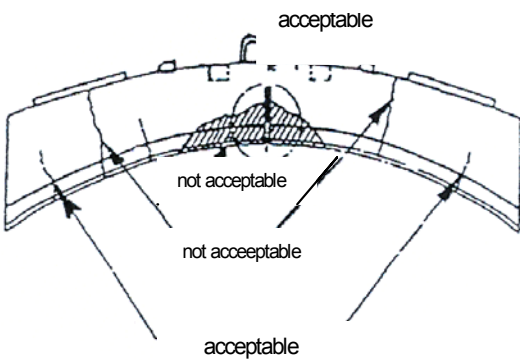
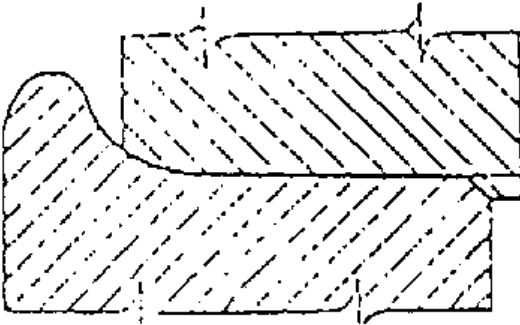
Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Defect
<b>Suspension</b>	2			
<b>Leaf spring</b>	2.1			
	2.1.1	Leaves displaced by more than 10 mm with respect to buckle  • shiny marks near buckle	Detach wagon	4
	2.1.2	Main leaf fractured or with visible crack	Detach wagon  Detach wagon	5  4
	2.1.3	Part of a fractured spring missing		4
	2.1.4	Fracture (but without any part missing) of intermediate leaf at a distance from the centre of the spring of:		
	2.1.4.1	- < 1/4 of leaf length	Detach wagon	4
	2.1.4.2	- > 1/4 of leaf length	M	3
 <p>fracture</p> <p><math>a = b \cdot \frac{L}{4}</math></p> <p>b</p> <p>a</p> <p><math>L/2</math></p>				

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
Additional criteria for parabolic spring	2.1.5	<p>Insufficient spring clearance: distance between buckle and corresponding part of body, underframe or bogie frame less than 15 mm</p> <ul style="list-style-type: none"> <li>• signs of recent contact between buckle and parts of the underframe or bogie frame</li> <li>• signs of recent contact between wheel and underframe or wagon floor/body</li> </ul>	Detach wagon	5
	2.1.6	<p>Buckle loose</p> <ul style="list-style-type: none"> <li>- fracture or crack in buckle</li> <li>- key missing or ineffective</li> <li>• signs of loosening of leaves</li> </ul>	Detach wagon	5
	2.2			
	2.2.1	Main or intermediate spring leaf		
	2.2.1.1	visible crack or break	Detach wagon	5
	2.2.1.2	<p>buckle broken</p> <ul style="list-style-type: none"> <li>• two leaves touching over 50% of their length</li> </ul>	Detach wagon	5
	2.2.2	Leaf displaced lengthways		
	2.2.2.1	- by more than 10 mm	Detach wagon	4
	2.2.2.2	- by 10 mm or less	K	3
				

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
Helical spring	2.2.3	Buckle defective or loose <ul style="list-style-type: none"> <li>- buckle fractured, cracked</li> <li>- lug of the lower key cracked</li> <li>- weld seam of upper key fractured or cracked</li> </ul> 	Detach wagon	5
	2.3			
	2.3.1	Broken	Detach wagon	5
	2.4			
	2.4.1	Boss of buckle out of position <ul style="list-style-type: none"> <li>• abnormal position of axle box</li> </ul>	Detach wagon	5
Connection between suspension and axle box or between suspension and underframe	2.4.2	Shackle, links displaced, missing, broken, unhooked	Detach wagon	5
	2.4.3	Link pin displaced, missing, not secured	Rectify if possible; if not detach wagon	5
	2.4.4	Suspension links worn or too long <ul style="list-style-type: none"> <li>• recent traces of contact on the solebar</li> </ul>	K	4


Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
Suspension system of Y 25 bogies or systems derived therefrom	2.5	 <p>1. tare spring 2. load spring 3. spring cap 4. damper ring 5. lifting T</p>		
	2.5.1	Main/tare spring cracked or broken	Detach wagon	5
	2.5.2	Auxiliary/load spring displaced or broken		
	2.5.2.1	- on empty wagon	K	3
	2.5.2.2	- on loaded wagon	Detach wagon	5
	2.5.2.2	• axle box no longer horizontal		
	2.5.3	Damper ring(s) missing or broken		
	2.5.3.1	• contact marks		
	2.5.3.1	- one ring per bogie	K	3
	2.5.3.2	- more than one ring per bogie	Detach wagon	5
	2.5.4	Spring cap(s) in contact with bogie frame		
	2.5.4.1	- one spring cap in contact	K	3
	2.5.4.2	- more than one spring cap in contact	Detach wagon	5
	2.5.5	Lifting T (safety catch) loose or missing	M	3
	2.5.6	Fresh signs of bottoming between axle-box housing and bogie frame	Detach wagon	5
		• Clearance < 8 mm		

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Brake</b>	3			
<b>Mechanical part (rigging)</b>	3.1			
	3.1.1	Part of brake rigging hanging down or broken	Temporary repair + K + R1 (isolate brake)	4
	3.1.2	Safety strap ineffective	Temporary repair + K	4
	3.1.3	Brake isolating cock (see also Annex 10)		
	3.1.3.1	- unusable	Detach wagon	3
	3.1.3.2	- position unclear	K + R1 (isolate brake), detach wagon if necessary	3
	3.1.4	Empty/loaded or G/P changeover system unusable	Isolate brake + K + R1	3
	3.1.5	Brake release pull broken or missing	K + R1 (isolate brake)	3
<b>Brake block</b>	3.2			
	3.2.1	Cast-iron brake block		
		- missing	Replace	3
		- broken, cracked right through, even if still held together by its metal insert	(except when handing over a railway wagon to the owning RU, isolate brake as appropriate, K + R1)	
		- worn so that thickness X near brake block holder is less than 10 mm		
				

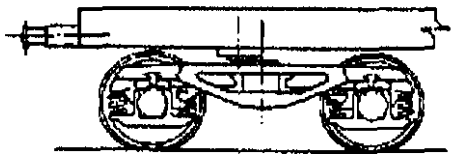
Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
	3.2.2	<p><b>Composite brake block</b></p> <ul style="list-style-type: none"> <li>- missing</li> <li>- radial crack from friction surface though to plate edge (except at the designated breakage point)</li> <li>- visible crumbling of the friction material over more than one quarter of the block length or metal inclusions</li> <li>- thickness <math>X &lt; 10 \text{ mm}</math></li> </ul> 	Replace. If not possible, K + R1 (isolate brake)	3
	3.2.3	<p><b>Brake block protruding</b></p> <ul style="list-style-type: none"> <li>• a brake block is considered to be protruding once its outer surface reaches the outer edge of the wheel rim</li> </ul> 	K + R1 (Isolate brake)	4

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
Pneumatic part	3.3			
	3.3.1	Main brake pipe		
	3.3.1.1	Main brake pipe inoperative	Detach wagon	4
	3.3.1.2	- Reserved -		
	3.3.2	Brake coupling		
	3.3.2.1	Damaged or missing (brake couplers must be available at all existing coupler connections on either end of a wagon)	Replace	3
	3.3.2.2	Unused brake coupler hanging loose (where two couplers are available, only one may be plugged in)	Secure Rectify as appropriate	3
	3.3.2.3	- Reserved -		
	3.3.3.	Brake coupler holder not fit for use	M	3
	3.3.4	Air brakes unfit for use but not labelled as such	Check and, if damaged, K +R1 (isolate brake)	3
	3.3.5	Stopcock		
	3.3.5.1	Unusable, leaking, warped or handle missing	Detach wagon	5
	3.3.5.2	Stopping device missing or visibly damaged	K	4

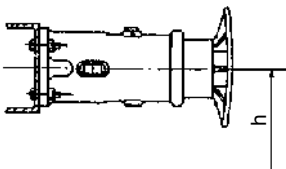


Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Spark arrestor plate</b>	3.4			
	3.4.1	Plate missing or rusted through	K+R1 (isolate brake)	4
	3.4.2	Plate hanging loose	Remove plate, K+R1 (isolate brake), if not possible: detach wagon	4
	3.4.3	<p>Consignments of dangerous goods for which spark arrestor plates are stipulated in the RID:</p> <p>Non-bogie wagon:</p> <ul style="list-style-type: none"> <li>- non-standard spark arrestor plate</li> <li>• non-bogie wagon not bearing the following marking:</li> </ul> 	Isolate brake R1	5
<b>Hand brake</b>	3.5			
	3.5.1	Clearly unfit for use	K + R1	3

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Wagon underframe and bogie frame</b>	4			
<b>Wagon underframe</b>	4.1			
	4.1.1	Underframe warped vertically or horizontally <ul style="list-style-type: none"> <li>• buffer height out of tolerance range (see no. 5.1.2)</li> <li>• visible distortion</li> </ul>	Detach wagon	5
	4.1.2	Solebar, headstock or intermediate crossbar stressed by coupler and exhibiting a fracture or crack <ul style="list-style-type: none"> <li>- fracture</li> <li>- lateral crack starting from edge of flange and extending over more than half the width of flange</li> <li>- longitudinal crack &gt; 100 mm near suspension brackets</li> <li>- longitudinal crack &gt; 150 mm for other parts</li> <li>- cracking at visible welds of these component parts</li> </ul>	Detach wagon	4
<b>Axle guard</b>	4.2			
	4.2.1	Distorted, safety hazard	Detach wagon	5
	4.2.2	Broken <ul style="list-style-type: none"> <li>• abnormal position</li> </ul>	Detach wagon	5
	4.2.3	Fastening		
	4.2.3.1	- loose	Detach wagon	5
	4.2.3.2	- some bolts or rivets loosened but axle guard still secure	M	3
	4.2.4	Crack		
	4.2.4.1	- running over more than 1/4 of horizontal cross-section	Detach wagon	4
	4.2.4.2	- running over ≤ 1/4 of horizontal cross-section	K	3
	4.2.4.3	- close to or running towards a fastening point, regardless of length of crack	Detach wagon	5

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
Axle guard tie bar	4.3			
	4.3.1	Missing, broken, visibly distorted, loose	Detach wagon	4
Axle guard check plate	4.4			
	4.4.1	Check plate missing		
	4.4.1.1	Bogie wagon: - one check plate missing per axle	K	3
	4.4.1.2	- more than one check plate missing per axle	Detach wagon	4
	4.4.1.3	Axle wagon: - one check plate missing	Detach wagon	5
Hard manganese wear plate on Y bogies	4.4.2	Plate loose or missing	Detach wagon	4
Suspension bracket (axle wagon)	4.5			
	4.5.1	Loose, cracked, broken or distorted - space between bracket and solebar - half or more of the fastening elements missing or broken	Detach wagon	5
Connection between bogie and underframe	4.6			
	4.6.1	Defective, connecting and fastening elements broken, missing or ineffective  • bogie displaced   bogie displaced	Detach wagon	5

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Earthing strap</b>	4.6.2			
	4.6.2.1	One or more earthing straps ineffective (missing, damaged or loose) <ul style="list-style-type: none"> <li>Fastening points indicate that straps should be present</li> </ul>	K	3
	4.6.2.2	All earthing straps ineffective <ul style="list-style-type: none"> <li>Fastening points indicate that straps should be present</li> </ul>	Rectify If not possible, detach wagon	3
<b>Bogie frame</b>	4.7			
	4.7.1	Component cracked or visibly distorted	Detach wagon	4
	4.7.2	Component broken	Detach wagon	5
	4.7.3	- Reserved -		
<b>Side bearer and spring</b>	4.8			
	4.8.1	Side bearer broken		
	4.8.1.1	- with no parts missing	K	4
	4.8.1.2	- with part(s) missing	Detach wagon	5
	4.8.2	Side-bearer spring broken	Detach wagon	4
<b>Friction surface(s) of damper system</b>	4.9			
	4.9.1	Oil-besmeared	Detach wagon	4

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Buffing and draw gear</b>	5			
<b>Buffers</b>	5.1			
<b>Buffer types</b>	5.1.1	Visibly different buffer types	K	4
<b>Buffer height</b>	5.1.2	Exceeding tolerance range <ul style="list-style-type: none"> <li>- <math>h &lt; 940</math> mm (980 mm in the case of coaches)</li> <li>- <math>h &gt; 1065</math> mm <ul style="list-style-type: none"> <li>• significant difference in buffer height at coupled wagon ends</li> </ul> </li> </ul> 	Detach wagon	5
<b>Buffer head</b>	5.2			
	5.2.1	Missing, broken, distorted and no longer functional, rectangular plate twisted	Detach wagon	5
	5.2.2	Fastening on plunger:		
	5.2.2.1	- one third or more of rivets or bolts loose	Detach wagon	4
	5.2.2.2	- fewer than one third of rivets or bolts loose	K	3
	5.2.3	Contact surfaces		
	5.2.3.1	- not lubricated	Lubricate. If not possible, detach wagon	4
	5.2.3.2	- grooved	Detach wagon	5

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Plunger</b>	5.3			
	5.3.1	Missing, broken	Detach wagon	5
	5.3.2	Cracked at the transition to buffer head	Detach wagon	5
<b>Buffer casing</b>	5.4			
	5.4.1	Missing, broken	Detach wagon	5
	5.4.2	Cracked at transition to buffer base	Detach wagon	5
	5.4.3	Cracked longitudinally and no longer capable of guiding plunger	Detach wagon	5
	5.4.4	Fastening of buffer casing defective:		
	5.4.4.1	- 2 or more bolts loose • play between buffer casing and headstock	Tighten bolts + M, if not possible, detach wagon	5
	5.4.4.2	- 1 bolt missing	Replace + M, if not possible, detach wagon	3
	5.4.4.3	- 1 bolt loose	Tighten + M, if not possible, K	3
<b>Buffer spring and anti-crash components</b>	5.5			
	5.5.1	Buffer so slack that it can be depressed by hand:		
		- one buffer, by more than 15 mm	Detach wagon	4
		- both buffers at the same end	Detach wagon	4
	5.5.2	Anti-crash components triggered	Detach wagon	5
		<ul style="list-style-type: none"> <li>• buffer length visibly reduced</li> <li>• yellow marker arrow partly or completely absent *)</li> <li>• plunger destroyed or distorted *)</li> <li>• indicator missing or distorted *)</li> </ul> <p>*) depending on buffer type</p>		
	5.5.3	Anti-crash component warning mark missing or incomplete	Detach wagon	4

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Screw coupler</b>	5.6			
	5.6.1	Part missing, damaged, or inoperative	Rectify. If not possible, detach wagon. For a RU wagon returning empty to the owning RU: K	3
	5.6.2	Hook for hanging coupler on (when not in use) damaged, inoperative or missing	M	3
	5.6.3	Coupler unhooked	Hook into position and tie up if necessary	3
<b>Draw hook</b>	5.7			
	5.7.1	Inoperative or in poor condition		
	5.7.1.1	- broken, cracked (including tip)	If possible, use the other coupling, K. If not possible, detach wagon	3
	5.7.1.2	- twisted	K	3
	5.7.2	- Reserved -		

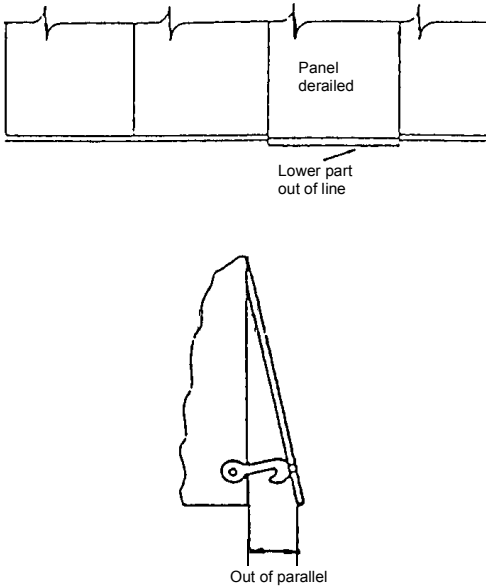
Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
Other draw gear parts	5.8			
	5.8.1	Other drawgear parts damaged <ul style="list-style-type: none"> <li>- length of coupler such that the buffer heads cannot be brought into contact with each other</li> <li>- drawbar broken, cracked or distorted</li> <li>- muff, bolt, key: broken, cracked, missing</li> <li>- spring inoperative <ul style="list-style-type: none"> <li>• clearly abnormal projection of draw hook from draw hook guide</li> </ul> </li> </ul>	Detach wagon	4
	5.8.2	Faulty coupling on the train	Adjust coupling	4
Long-stroke damper (e.g. on container wagons)	5.9			
	5.9.1	Sliding element not in mid-position with respect to wagon underframe <ul style="list-style-type: none"> <li>• the two headstocks at different distances from wagon body</li> </ul>	K	4
	5.9.2	No danger marking (diagonal black bands on yellow background) on wagons with front part liable to move with respect to underframe during impacts (impact absorption devices, etc.), on surfaces at risk and liable to over-ride	Detach wagon	4


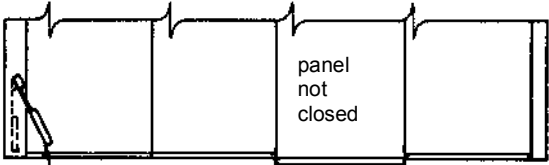

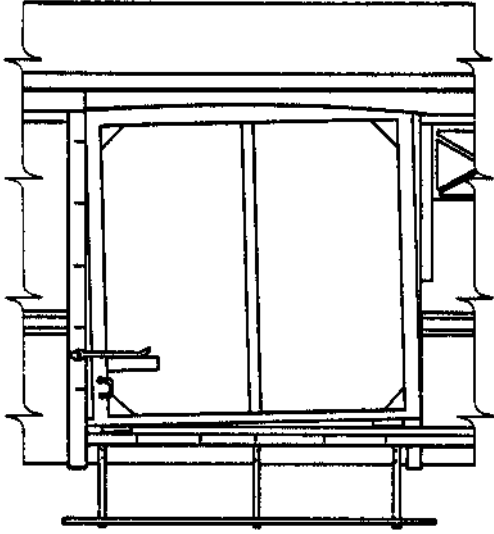
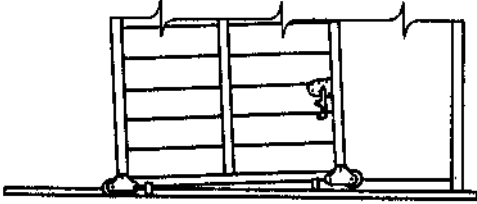


Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Wagon body</b>	6			
<b>Body in general</b>	6.1			
<b>Markings on wagons and load units</b>	6.1.1	Missing, illegible or incomplete		
	6.1.1.1	- wagon number *)	Detach wagon	4
	6.1.1.2	- RIV sign	K	3
	6.1.1.3	- agreement plate (if showing exchange codes 41, 43, 45, 81, 83 or 85) *)	Detach wagon	4
	6.1.1.4	- tare weight *)	Detach wagon	4
	6.1.1.5	- braked weight of hand brake *)	Detach wagon	4
	6.1.1.6	- load limits *)	Detach wagon	4
	6.1.1.7	- capacity of tank wagons *)	Detach wagon	4
	6.1.1.8	- reserved		
	6.1.1.9	- length-over-buffers of wagon *)	Detach wagon	4
	6.1.1.10	- "high voltage" warning sign on wagons with step or ladder access up to a height > 2 m above rail level	Detach wagon	4
	6.1.1.11	- reserved		
	6.1.1.12	- reserved		
	6.1.1.13	- reserved		
<b>Overhaul (Maintenance plate)</b>	6.1.2	Overhaul marking		
	6.1.2.1	- missing, incomplete, illegible *)	Detach wagon	3
	6.1.2.2	Validity extended by 3 months if wagon marked "+3 M" - as of 15 days prior to lapse of deadline	K	3
	6.1.2.3	Validity extended by 3 months if wagon marked "+3 M" - deadline lapsed	Proceed as per Annex 8 Detach wagon	4
<b>Framework</b>	6.1.3	Part of framework damaged		
	6.1.3.1	- without fouling the loading gauge	K	3
	6.1.3.2	- fouling loading gauge	Detach wagon	5

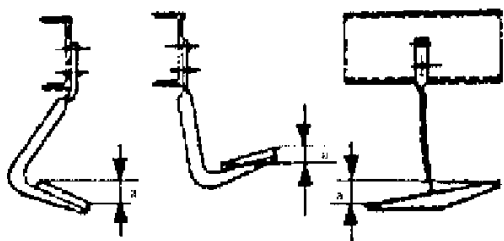
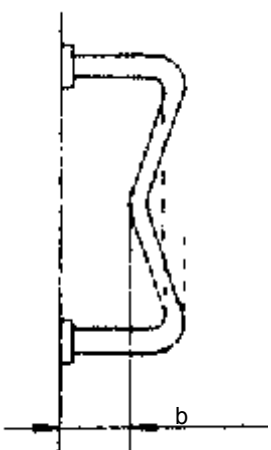
\*) If this irregularity is only found on one side of the wagon: affix K label

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Walls, including those of load units</b>	6.1.4			
	6.1.4.1	Side plank missing, broken, split or coming undone; wall panel holed, broken	K	3
	6.1.4.2	Risk of damage to load due to humidity; risk of loss of load	Rectify if necessary + K; if not possible: detach wagon	4
<b>Floors, including those of load units</b>	6.1.5	Floor damaged		
	6.1.5.1	- with no risk of loss of load	K	3
	6.1.5.2	- with risk of loss of load	Rectify if necessary + K; if not possible: detach wagon	4

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
Doors and sliding walls	6.1.6			
	6.1.6.1	Not fully closed or not fastened	Close and/or secure; if not possible: fasten + K; if not possible, detach wagon	5
	6.1.6.2	Missing or derailed <ul style="list-style-type: none"> <li>• abnormal position in relation to its frame</li> </ul> 	If possible to put back in position: fasten + K; if not possible: detach wagon	5

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
    				

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
Various parts (steps, handles, ladders, gangways, guard rails, inscription plates and others)	6.1.6.3	Guiding or locking elements in poor condition - door frame, hinges, locks, latch hooks, handles, etc., missing, broken, dislocated, deformed	Temporary repair + K; if not possible: detach wagon	3
	6.1.6.4	safety hazard or risk of loss of load	Temporary repair + K; if not possible: detach wagon	5
	6.1.6.5	Doors broken or warped - no risk of fouling the gauge or losing the load	Temporary repair + K; if not possible: detach wagon	3
	6.1.6.6	- risk of gauge being fouled or loss of load	Temporary repair + K; if not possible: detach wagon	5
	6.1.7			
	6.1.7.1	Ladders, gangways, guard rails in poor condition, unusable	K	4

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
	6.1.7.2	Steps: missing	K	4
	6.1.7.3	Steps: damage representing a safety hazard for staff, torn off or deformed beyond tolerated limit: $a > 80$ mm 	Detach wagon	4
	6.1.7.4	Handles: missing, damage representing a safety hazard for staff, torn off or deformed beyond tolerated limit: $b < 60$ mm 	Temporary repair + M. If not possible: detach wagon	4
	6.1.7.5	Inadequate securing of - inscription plates - folding plates - label holders	Temporary repair + M. If not possible: detach wagon	4
	6.1.7.6	Missing: - inscription plates - folding plates - label holders	Temporary labels + K. If not possible: detach wagon	3
	6.1.7.7	Loose wagon accessories missing or incomplete	M	3
	6.1.7.8	Loose wagon accessories not secured	Fasten	4
	6.1.7.9	Signal brackets, rope eyes missing, unfit for use	M	3

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Covered wagons</b>	6.2			
<b>Ventilation flaps</b>	6.2.1	Missing, damaged		
	6.2.1.1	- without any risk of damage due to humidity or fouling of the gauge	Rectify + K; if not possible: detach wagon	3
	6.2.1.2	- with risk of damage due to humidity or fouling of the gauge	Detach wagon	5
<b>Control gear, shutter retaining bracket</b>	6.2.2	Unhooked, distorted, loose		
	6.2.2.1	- without any risk of fouling the gauge	Rectify + K; if not possible: detach wagon	3
	6.2.2.2	- risk of fouling the gauge		5
<b>Roof and weatherboard</b>	6.2.3	Roof cover or weatherboard raised, fouling gauge or not water-tight	Detach wagon	4
	6.2.4	Opening roof		
	6.2.4.1	- not fully closed, not secured	Close and lock roof if necessary + K; if not possible: detach wagon	5
	6.2.4.2	- derailed	Set back in rails and secure; otherwise, detach wagon	5
	6.2.4.3	- control mechanism missing, distorted, ineffective	K	4

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Open wagons</b>	6.3			
<b>Side walls or end flaps</b>	6.3.1	Damaged		
	6.3.1.1	- with no risk of losing the load or fouling the gauge	M	3
	6.3.1.2	- with risk of losing load	Rectify + K; if not possible: detach wagon	4
	6.3.1.3	- with risk of fouling gauge	Rectify + K; if not possible: detach wagon	5
<b>Closing and operating gear of end flaps</b>	6.3.2	Pins, camshafts, retaining hooks, shaft supports, etc. missing, broken, cracked, inoperative		
	6.3.2.1	- without compromising safety	Repair temporarily + K If not possible, detach wagon	3
	6.3.2.2	- compromising safety		5
<b>Cantrail</b>	6.3.3	Broken or deformed		
	6.3.3.1	- with no risk of fouling the gauge	Rectify + K. If not possible, detach wagon	3
	6.3.3.2	- with risk of fouling the gauge		5
<b>Flat wagons</b>	6.4			
<b>Drop sides</b>	6.4.1			
	6.4.1.1	Folded down and not secured	Secure; if not possible: detach wagon	5
	6.4.1.2	Folded but not authorised in Table 3 of the Loading Guidelines	Raise; if not possible: detach wagon	5
	6.4.1.3	Distorted with no risk of losing load or fouling the gauge	M	3
	6.4.1.4	Holed or distorted with risk of losing load	Rectify + K If not possible, detach wagon	4
	6.4.1.5	Distorted with risk of losing load	Rectify + K. If not possible, detach wagon	5

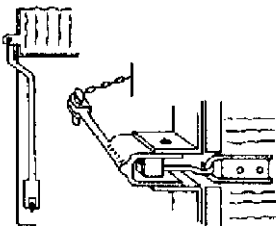
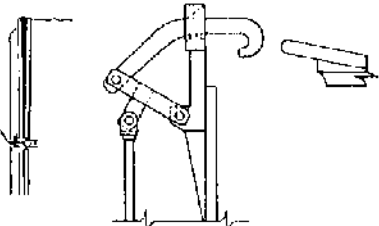


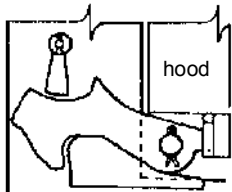
Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Hinges, pins, securing bolts</b>	6.4.2	Missing, inoperative, broken		
	6.4.2.1	- but not compromising safety or involving risk of loss of load	Repair temporarily + K. If not possible: detach wagon	3
	6.4.2.2	- compromising safety or involving risk of loss of load		4
<b>Stanchions</b>	6.4.3			
- detachable - pivoting - retractable	6.4.3.1	Missing and necessary to secure load	If not possible to rectify: Detach wagon	5
	6.4.3.2	Deformed and fouling gauge		5
	6.4.3.3	Crack or break in stanchion or in its mounting or fixing device	If presence of stanchion is required: detach wagon; otherwise M	4
	6.4.3.4	Stanchion chains hanging loose	Rectify	4
	6.4.3.5	Stanchion fastening ineffective	Fasten, K or if not possible: detach wagon	4
<b>Bolsters</b>	6.4.4			
	6.4.4.1	Broken, timber bearing surface or joint unfit for use	M	3
	6.4.4.2	Loose bolsters not secured by side stanchions or load	Rectify; otherwise, detach wagon	4
<b>Tank wagons</b>	6.5			
<b>Tank cradle</b>	6.5.1			
	6.5.1.1	Crack extending > 1/4 across the cross-section	If empty: K If loaded, detach wagon	4
	6.5.1.2	Crack in the weld seams		
	6.5.1.3	Up to 10% of the bolts or rivets securing tank body to cradle missing	K	4
	6.5.1.4	More than 10% of the bolts or rivets securing tank body to cradle missing	Detach wagon	4

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
Tank	6.5.2			
	6.5.2.1	Not tight: leaks or risk of loss of load	Have sealed + K; if not possible: detach wagon	5
	6.5.2.2	Distorted with sharp edges but no risk of loss of load	K	4
		Tank test date expired for shipment of RID goods		
	6.5.2.3	- tank full	Detach wagon	5
Tank equipment	6.5.2.4	- tank empty, not cleaned	K	5
	6.5.3	Tank cladding, sun-roof, insulation		
	6.5.3.1	- damaged	K	4
	6.5.3.2	- loose	Detach wagon	5
	6.5.4	- Reserved -		

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
Reinforcement, filling and emptying equipment, underneath	6.5.5			
	6.5.5.1	Spillage/leakage of load	Rectify; if not possible: detach wagon	5
	6.5.5.2	Filling and emptying equipment open; visible fastening devices ineffective	Rectify; if not possible: secure	5
	6.5.5.3	Valves or spouts defective  Screw cap must be tightly sealed and must not be missing (except for outside gas pipes)	Detach wagon	4
	6.5.5.4	- RID load	Rectify; if not possible: detach wagon	4
	6.5.5.5	- non-RID load	Rectify; if not possible, M	3
	6.5.5.6	Blind flange missing or loose  Blind flange with one securing bolt missing	Detach wagon	4
	6.5.5.7	- RID load	Detach wagon	4
	6.5.5.8	- non-RID load	K	3
	6.5.5.9	Blind flange with several securing bolts missing  Bottom valve indicator device not in "closed" position on both sides	Rectify; if not possible, detach wagon	4
	6.5.5.10	- loaded wagons, and empty wagons that have not been cleaned (RID load)	Close bottom valve. If not possible: detach wagon	5
	6.5.5.11	- empty wagons (non-RID load)	Close bottom valve. If not possible: K	3
	6.5.5.12	Bottom valve emergency control device screwed in (tank-mounted valve open)	Unscrew emergency control device. If not possible, detach wagon	5

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Reinforcement, filling equipment, above</b>	6.5.6			
	6.5.6.1	Loss of load or of gas near the upper reinforcements (does not concern ventilation devices) <ul style="list-style-type: none"> <li>• odour</li> <li>• signs of recent or persistent leakage</li> </ul>	Detach wagon	5
	6.5.6.2	Dome cover open or missing	Close or have closed. If not possible: detach wagon	5
	6.5.6.3	Other upper reinforcements not closed	Close or have closed. If not possible: detach wagon	4
	6.5.7	- Reserved -		

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
Wagons with special fittings	6.6			
Wagons with mechanical sheeting (e.g. Rils, Tams)	6.6.1	<p>Mechanical sheeting not properly closed and locked</p> <ul style="list-style-type: none"> <li>indicator visible (side closing system open)</li> </ul> <p>Side locking system</p>  <ul style="list-style-type: none"> <li>end hoops inclined (locking system not engaged)</li> </ul> <p>Top locking system</p> 	Close; if not possible: detach wagon	5

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Wagons with telescopic hood (e.g. Shimms)</b>	6.6.2			
	6.6.2.1	Hood not locked 	Lock; if not possible: make secure + K; otherwise detach wagon	5
	6.6.2.2	External hood derailed	Detach wagon	5
<b>Flat bogie wagons for transport of road vehicles (e.g. Saad)</b>	6.6.3			
	6.6.3.1	- End gangways damaged	K	4
	6.6.3.2	- End gangways not locked into place on both sides	Lock; if not possible: detach wagon	5
	6.6.3.3	Ineffective seating plate, plate bolts, securing chains or chain link	Rectify; if not possible: detach wagon	4
	6.6.3.4	Wheel scotches damaged	M	3

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>ACTS *) carrier wagons</b>  <b>*) Roll on/off container transport system</b>	6.6.4			
	6.6.4.1	Swivel frame damaged	K	4
	6.6.4.2	Locking device preventing the frame from swivelling ineffective or unlocked <sup>1)</sup>  - locking lever not secured or locked in position <sup>1)</sup>  - stanchions not in position and not secured <sup>1)</sup>  - snap lock (safety bolt) defective and handle in unlocked position <sup>1)</sup>	Secure and lock. If not possible: detach wagon	5
	6.6.4.3	Pneumatic monitoring system on the swivel lock not in service and not labelled	Put in service	4
	6.6.4.4	Pneumatic monitoring system on the swivel lock triggered	Check swivel lock. If no fault found: disconnect monitoring system + K	3
	6.6.4.5	Device to prevent container lifting ineffective  - locking lever not secured or locked in position <sup>1)</sup>	Secure  If not possible: detach wagon	5
	6.6.4.6	Device to prevent containers moving ineffective <sup>1)</sup>	Detach wagon	5

<sup>1)</sup> Rules for the use of the swivel frame system to be complied with

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Car-carrying wagons</b>	6.6.5			
	6.6.5.1	Damage to lifting and lowering equipment, crossing gangways and footplates	K	4
	6.6.5.2	Damage to wheel scotch, wheel guides or crank handle	M	3
	6.6.5.3	End boards and crossing gangways – where required – not raised and secured	Rectify; if not possible: detach wagon	4
	6.6.5.4	Upper loading deck, indicator device not engaged	Secure	4
	6.6.5.5	Upper loading deck not secured	Secure; if not possible: detach wagon	5
	6.6.5.6	Upper loading deck not resting on supporting bracket (suspended by cables)	Rectify; if not possible: detach wagon	5
	6.6.5.7	Upper deck loaded but fouling the gauge	Detach wagon	5
<b>Self-discharging wagons</b>	6.6.6	Discharge valve not closed and locked		
	6.6.6.1	- empty wagon	Close and lock; if not possible: K	3
	6.6.6.2	- loaded wagon	Close and lock; if not possible: detach wagon	4
<b>Wagons with securing equipment (e.g. Snps, Roos, Ealos)</b>	6.6.7			
	6.6.7.1	Unused securing equipment not properly or adequately fixed, stowed or secured	Rectify. If not possible: make safe + K	4



Loading regulation	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Loads and load units</b>	7			
<b>Load in general</b>	7.1			
<b>Distribution of the load (wagon)</b>	7.1.1	Load visibly displaced <ul style="list-style-type: none"> <li>• lashing cords broken</li> <li>• load not positioned properly on blocks</li> <li>• not centrally positioned</li> </ul>	Detach wagon	5
	7.1.2	Load unevenly distributed (3.3), body not horizontal <ul style="list-style-type: none"> <li>• different buffer heights (3.5)</li> <li>• unequal suspension spring play (3.5)</li> <li>• pronounced deflection of wagon underframe (3.4)</li> </ul>	Detach wagon	5
<b>Packing, load fastening</b>	7.1.3	Packages, bundles, bales, stacks, coming apart or not properly tied together (1.5)	Detach wagon	4
	7.1.4	Inadequate binding of narrow, cylindrical objects (1.5)	Detach wagon	4
<b>Maximum permissible dimensions of load</b>	7.1.5			
	7.1.5.1	Unauthorised fouling of gauge (4.1)	Detach wagon	5
	7.1.5.2	Fouling of the gauge not indicated <ul style="list-style-type: none"> <li>• U label missing</li> </ul>	Detach wagon	5
<b>Reserved spaces</b>	7.1.6	Encroachment on reserved spaces <ul style="list-style-type: none"> <li>• load projecting beyond the headstock (4.2)</li> </ul>	Detach wagon	5
<b>Load limits</b>	7.1.7	Exceeding of load limits (3.2) <ul style="list-style-type: none"> <li>• different buffer heights</li> <li>• suspension spring play inadequate</li> </ul>	Detach wagon	5
<b>Buffer wagons</b>	7.1.8	Vertical and horizontal clearances not respected between loads or between buffer wagon and load (4.3)	Detach wagon	5

Loading regulation	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Sheeting, nets</b>	7.1.9	Inadequate, defective or secured with non-compliant fastening equipment (see Loading Guidelines 6.1, 6.2)	Rectify. If not possible: detach wagon	4
<b>Load securing equipment</b>	7.2			
<b>Wagon walls or sides</b>	7.2.1	Load projecting beyond the walls and sides and inadequately secured (5.4.1)	Detach wagon	5
	7.2.2	Load clearly pressing against walls, sides or doors and thus hindering their functioning, with risk of damage or operating hazard (2.3)	Detach wagon	4
<b>Stanchions</b>	7.2.3			
	7.2.3.1	Load inadequately secured by stanchions (2.5 and 5.4.1)	Detach wagon	5
	7.2.3.2	Fastenings between opposite stanchions missing (2.5)	Detach wagon	5
	7.2.3.3	Load pressing up against and bending stanchions (2.5)	Detach wagon	5
	7.2.3.4	Load which is heavy and/or which may damage side stanchions in the event of longitudinal displacement, pressing up against stanchions (2.5)	Detach wagon	4
<b>Scotches fastened with nails</b>	7.2.4	Non-compliant (5.4.3) - insufficient - ineffective - incorrectly fastened to the floor	Detach wagon	5
<b>Direct or indirect fastenings (lashing)</b>	7.2.5	Non-compliant (5.4.4, 5.5.4)		
	7.2.5.1	- unsuitable or unauthorised material	Detach wagon	5
	7.2.5.2	- incorrectly or inadequately fastened	Rectify; if not possible: detach wagon	5
	7.2.5.3	- slack	Rectify; if not possible: detach wagon	4

Loading regulation	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Bolsters, timbers, stretchers,</b>	7.2.6	Non-compliant (5.5.5, 5.6.2, 5.8.1)  - damaged - poorly chosen - inadequate - incorrectly arranged - loose	Detach wagon	5
	7.2.6.1			
	7.2.6.2	Not required	Rectify	3
<b>Loading and load-securing methods</b>	7.3			
<b>General</b>	7.3.1	Load unstable and wrongly secured (5.1)	Detach wagon	5
<b>Goods subject to lifting by airflow (e.g. light scrap and thin boards)</b>	7.3.2	Covering missing or inadequate (5.2.1, 5.3.2)	Detach wagon	5
<b>Goods which may fall off on account of vehicle vibrations and impacts (wire metal trelliswork, metal filings etc.)</b>	7.3.3			
	7.3.3.1	Insufficient clearance between goods and top edge of walls of the wagon (5.2.2, 5.3.1)  • load protruding beyond top edges of walls	Detach wagon	5
	7.3.3.2	Dome-shaped load too high (5.3.1)	Detach wagon	5
<b>Stacked goods</b>	7.3.4	Wrongly stacked (5.8) - uneven distribution over floor - too high - poorly stacked - inadequate bindings - insufficient clearance between a load liable to sway and loading gauge - cylindrical loads inadequately secured	Detach wagon	5

Loading regulation	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Load with inadequate supporting area, liable to damage the wagon floor</b>	7.3.5 7.3.5.1	Scotches missing or insufficient (2.2) • floor damaged	K	3
<b>Concentrated load on flat wagon</b>	7.3.5.2	Excessive concentration of load (3.4) - Scotches in place, unsuitable material used - Scotches in place, dimensions insufficient	Detach wagon	5
<b>Load liable to tip</b>	7.3.6	Not secured against overturning (5.7)	Detach wagon	5
<b>Tilted load</b>	7.3.7	Insufficiently supported (5.7)	Detach wagon	5
<b>Load liable to roll</b>	7.3.8	Not secured against rolling (5.6.1, 5.6.2)	Detach wagon	5
<b>Load liable to slide lengthways</b>	7.3.9			
	7.3.9.1	Laid on unsuitable (5.5.1) - timbers - guide blocks - skids	Detach wagon	4
	7.3.9.2	Lateral guide-pieces missing or insufficient with risk of fouling the gauge or exceeding load limit (5.5)	Detach wagon	5
	7.3.9.3	Necessary clearances missing (5.5.2)	Detach wagon	3
	7.3.9.4	Necessary scope for sliding not limited (5.5.3)	Detach wagon	4

Loading regulation	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Special types of consignment</b>	7.4			
<b>Vehicles and machinery on wheels or caterpillar tracks</b>	7.4.1	Unsuitable scotch blocks and/or fastenings (5.6.3)	Rectify; if not possible: detach wagon	5
<b>Moving parts of vehicles and machinery</b>	7.4.2	Not properly immobilised		
	7.4.2.1	- no risk of fouling gauge	Rectify; if not possible: detach wagon	3
	7.4.2.2	- risk of fouling gauge	Detach wagon	5
<b>Load supported on several wagons</b>	7.4.3	Not loaded/secured according to requirements (5.9)	Detach wagon	5
<b>Specific components of load units, in particular those used for horizontal or vertical transshipment</b>	7.5			
	7.5.1	Device for locking the dollies inoperative, defective or missing	Bind using wire; if not possible: detach wagon	4
	7.5.2	End doors on <b>load units</b> not securely closed or fastened (unless load units are stacked with doors back to back)		
	7.5.2.1	- door not closed	Close, if not possible: detach wagon	5
	7.5.2.2	- only one fastener effective per <b>load unit</b> and door	Rectify	3
	7.5.2.3	- no fastener effective per <b>load unit</b> and door	Rectify	5
<b>Gear for securing load units on container wagons</b>	7.6			
	7.6.1	Lower corner castings damaged	Detach wagon	5
	7.6.2	Trestle distorted or defective		
	7.6.2.1	- empty wagon	K	3
	7.6.2.2	- loaded wagon	K If not possible to carry the load in safety: detach wagon	5

Loading regulation	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
Loading of load units	7.6.3	Coupling pin of trailer not locked into trestle	Lock; if not possible: detach wagon	5
	7.6.4	Trestle not in use and not locked	Position correctly and lock. If not possible: secure temporarily + K	3
	7.6.5	Trestle handwheel unlocked and potentially fouling the gauge	Rectify. If not possible: detach wagon	4
	7.6.6	Moving parts not properly secured (e.g. retractable spigots, handrails for shunters, etc.)		
	7.6.6.1	- No risk of fouling the gauge	Rectify; if not possible, secure provisionally	3
	7.6.6.2	- Risk of fouling the gauge	Rectify; if not possible, detach wagon	5
	7.6.7	Crash elements of trestle deformed		
	7.6.7.1	- Loaded wagon	Detach wagon	5
	7.6.7.2	- Empty wagon	K (close emergency stop cock)	4
	7.7			
	7.7.1	Load unit too heavy for wagon	Detach wagon	5
	7.7.2	Corner castings not engaged on their respective spigots	Detach wagon	5
	7.7.3	Pins of hinged support plates neither raised nor secured	Raise and secure; if not possible: detach wagon	5
	7.7.4	Air suspension system of semi-trailer not emptied	Empty; if not possible: detach wagon	5
	7.7.5	Underrun bumpers of semi-trailer, where present on a given design, not raised/pushed in, without contact with carrier wagon	Rectify (raise/push in and lock)	3
	7.7.6	Semi-trailer with P coding: contact between semi-trailer and wagon other than through wheels and trestle	Rectify; if not possible: detach wagon	4

Loading regulation	Code no.	Irregularities/Criteria/Notes	Action to be taken	Category
<b>Marking, coding for intermodal transport</b>	7.7.7	Semi-trailer with N coding loaded on carrier on carrier wagon with wagon compatibility code N (Novatrans system): contact between the semi-trailer and wagon, other than through the wheels, skids and longitudinal members in the intended support areas	Detach wagon	4
	7.7.8	Incorrect scotching of wheels of semi-trailer	Rectify; if not possible, detach wagon	4
	7.7.9	Load displaced in the load unit • deformation of sheeting	Detach wagon	5
	7.8			
	7.8.1	Valid coding missing or illegible	Detach wagon	5
	7.8.2	Wagon code to indicate permissible load units missing	Detach wagon	5
	8	- Reserved –		

