

### **ERA Task Force: programme, results and their implementation**

RISC / COM workshop Brussels, 06.04.2011

The Joint Sector Group for the ERA Task Force











### Where do we come from? The Joint Sector approach for a European problem

• The following 3 initiatives started on EU level since September 2009:





2. ERA Task Force « Freight Wagon Maintenance »



- The Sector was asked to provide expertise and to work out solutions/proposals
  - 3. Joint Sector Group: CER, ERFA, UIP, UIRR, UNIFE



• The task: find a common European solution for a European problem











### Who exactly was/is acting together in the Task Force?

ERA and several National Safety Authorities



- ERA
- NSAs: Austria, Belgium, France, Germany, Italy, Latvia, Netherlands, Sweden, UK
- The Joint Sector Group: all EU freight wagon stakeholders & wheelset manufacturers
  - CER: SNCF, SNCB, DB, Trenitalia, SBB, ÖBB/RCA, ZSSK, MAV/RCH, SLO, RENFE, PKP, DB UK, CFL, ....
  - ERFA: AAE, IGTL (Poland), ASSTRA (Italy), VDV (Germany), ...



- UIP: VPI Germany (VTG, GATX, ...), ASSOFERR, VPI Austria,
  - VAP (Switzerland), all other national associations, ....
- UNIFE Lucchini, Valdunes, Rafil (wheelset manufacturer)
- UIRR
- Sector and NSAs worked jointly together in the Task Force to find European solutions











# The Joint Sector Programme worked out in the ERA Task Force was fully adopted in Viareggio in December 2009



#### • European Action Programme:

- A Visual Inspection of the European wheelset/axle population (according to EVIC)
- A more in-depth **investigation of samples** of wheelsets from defined operating areas
- A European-wide implementation of systematic traceability of wheelset maintenance
- European Common Criteria for Maintenance (ECCM)











### The 1st element of the European Action Programme: **EVIC inspections – harmonised European Criteria**

#### EUROPEAN VISUAL INSPECTION CATALOGUE (EVIC) FOR FREIGHT WAGON AXLES

V 2.11

32 Mechanical damage – smooth edged circumferential grooves Pai			
Salient ir	formation:		
	Characterised by smooth transitions in the edges (GCU Annex 9, 1.6.2). Pitting that arises duri	ing	
	operation (caused e.g. by brake lever connectors dragging) involves damaged anti-corrosion coating		
Decision:			
	Check on the wagon why this damage could have occurred and repair accordingly		
	Remove from service	Case B	
	if there is damage to the base material > 1mm: (acc. GCU)	Case A	
	mark 1 at "X" column in EVIC logging	X	





















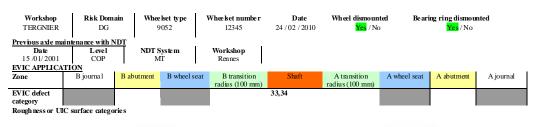
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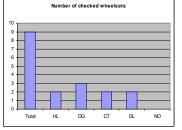


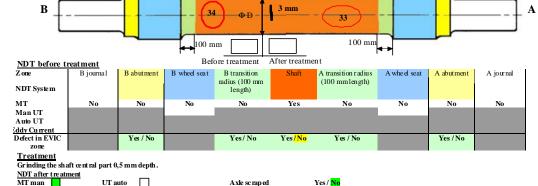
# The 2nd element of the European Action Programme: Sampling and analysis programme of wheelsets from defined operating areas

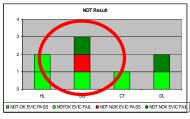


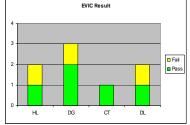
- Programme started
   Mai/June 2010
- 24.000 axles
- 4 risk domains
- Critical for success
- Will clarify EVIC and risk domain assumptions





















### The 3rd element of the European Action Programme: European-wide systematic traceability of wheelset maintenance data

- Implementation of the European Wheelset Traceability (EWT) in the Sector from 08/2010 onwards
- Self obligation (as for EVIC)
- Later integration in EN 15 313
- ANSF has withdrawn national measures if EWT application is granted (not for UIC type A axle RID wagons)

No	timeframe	Designation	Remark
		Marie de la companya del companya de la companya de la companya del companya de la companya de l	
1	а	Wheelset in general Wheelset number	
2	a	Wheelset design type or alternative	
-	u	designation	
3	а	Previous keeper(s) (ECM)	if applicable (if the keeper has
			changed)
			Data has to be stored from the last
			wheel change on
			-
			Remark: Current keeper of the
			wheelset is the keeper of the wagon
			(see number 38)
4	а	Certificate number and notified body from	
		EC-declaration of conformity (TSI compliant	
		wheelsets)	
		Homologation number and authorising or	if available
		certifying body (other wheelsets)	ii avallable
5	а	Maximum authorised axle load (of the entire	
J	ű	wheelset)	
6	а	assembler of wheels (manufacturer if first	for wheelsets from service: if available
		assembly)	
7	а	Date of first assembly of wheels (month/	for wheelsets from service: if available
	-	year)	
8	а	Date when wheelset is taken out of keepers	·
		fleet (scrapped, selling, etc.)	
		Wheelset axle	excerpt
9	а	Wheelset axle serial number	GV-
10	а	Wheelset axle design type or alternative	100
		designation	Cern
11	а	Certificate number and notified body	OF
		from EC-declaration of conformity (TSI	
		compliant axles)	
		Harrist and a section of a section of a section	Warra Nati I a
		Homologation number and authorising or certifying body (other axles)	if available
40		, , , ,	Control of the Contro
12	b		for wheelsets from service: if available for wheelsets from service: if available
13			
14	b Number of cast iron for wheelsets from service: if available		
4.5			for the selecto from a series, if a calleble
15	b	grade of steel (state of heat treatment)	for wheelsets from service: if available
10		Marrian or a serie all to a state of	
16	а	Maximum permissible axle load	
17	b	(regarding the axle)  Manufacturing standard of the axle	for wheelsets from service: if available
17	b	ivianuiaciuning standard or the axle	ioi wheelsets from service. If available
			The manufacturing standard is directly
			related to the manufacturing date; (UIC
			EN)
		Wheels	•
18	а	Design type or alternative designation	
19	a	Tyred wheels	Yes/ No
20	a	Certificate number and notified body	
	_	from EC-declaration of conformity (TSI	
		compliant wheels)	
		,,	
		Homologation number and authorising	if available
		or certifying body (other wheels)	
21	b		for wheelsets from service: if available
22	b		for wheelsets from service: if available
23	b		for wheelsets from service: if available
			for wheelsets from service: if available
24	b		
	а	Maximum authorised axle load (regarding the wheel)	



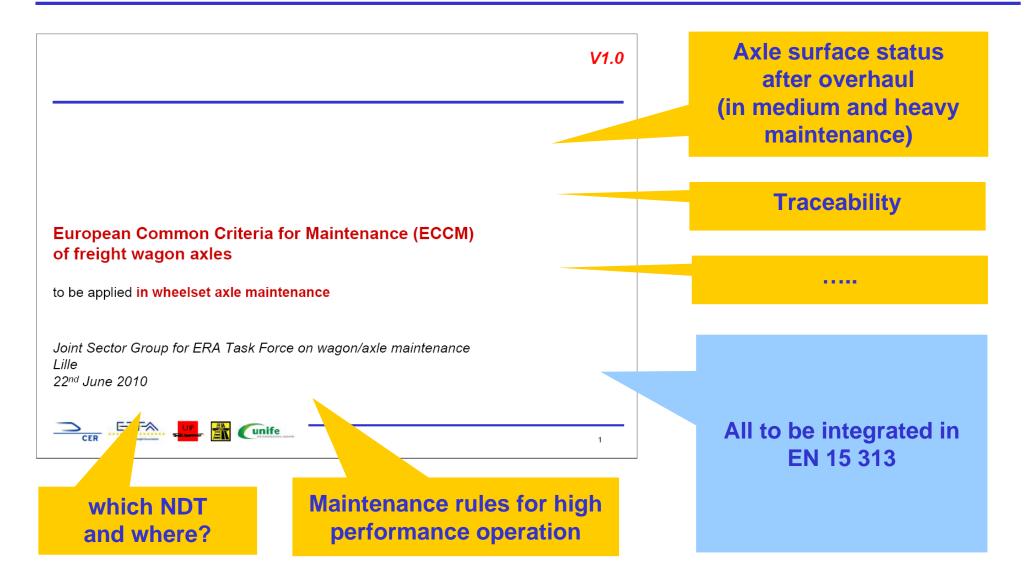








## The integrating element: European Common Criteria for Maintenance













### The Sector's target model for the implementation of joint European results



- Sector works after urgent events (as Task Force results) need time to become EU standards
- In GCU and/or similar: no full Sector regulation possible for the moment
  - no 100% coverage, no immediate effort
  - no executability by all NSAs (depending on MS legal framework, except in UK legal model?)

#### Sector's target (interim) model:

- joint "freight platform" immediate/urgent safety measures (e. g. after incidents), agreed on European level by ERA, NSAs, Sector
- 2. submitted to RISC/EC for decision to reach "immediate" binding status in all EU MS
- 3. optionally: time limit/expiration date (pressure on final solution)
- 4. obliges all Sector participants to execution, no unilateral NSA actions
- 5. to be amended or withdrawn after fully worked out Sector rules (EN)
- 6. legal base to be discussed (ECM requirement?)











### The Sector's target model for the implementation of joint European results



- Proposed target model as interim solution until
  - "full" Sector self regulation has taken place
  - executability of voluntary Sector rules by NSAs (?) is clarified in all MS

• Reflection about direct ERA decision in the future (=> discussion in "future role of the ERA")













Thank you for your attention!







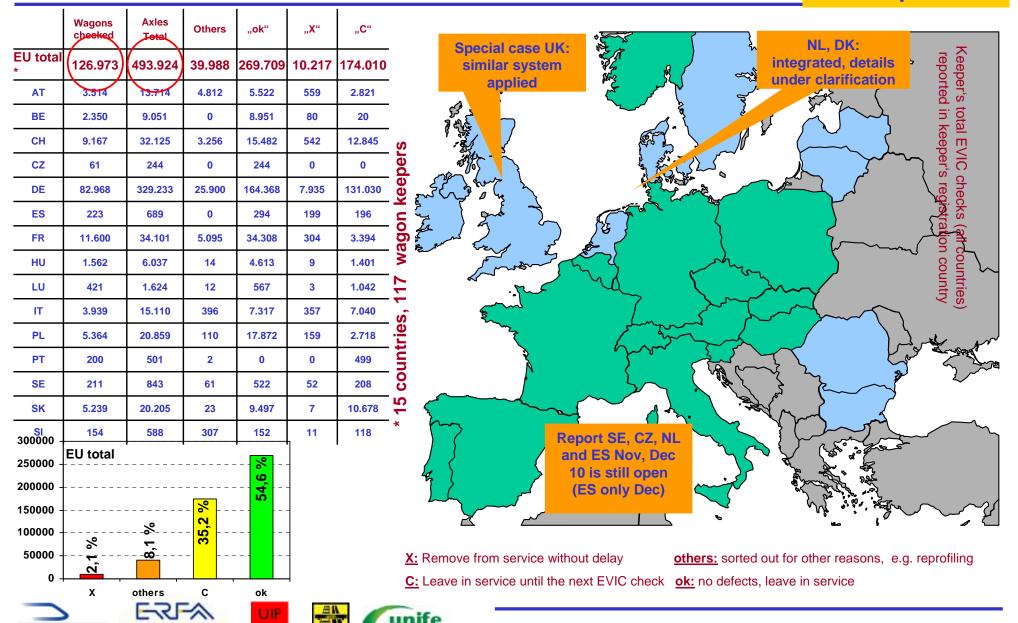


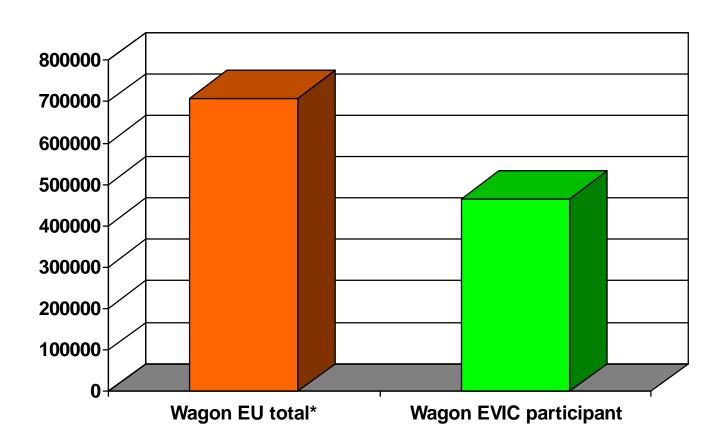


## **Status of the EVIC Visual Inspections total as per December 2010**

CER

data as per 03/11





- 117 wagon keepers
- as per December 2010
- share from GCU signatories



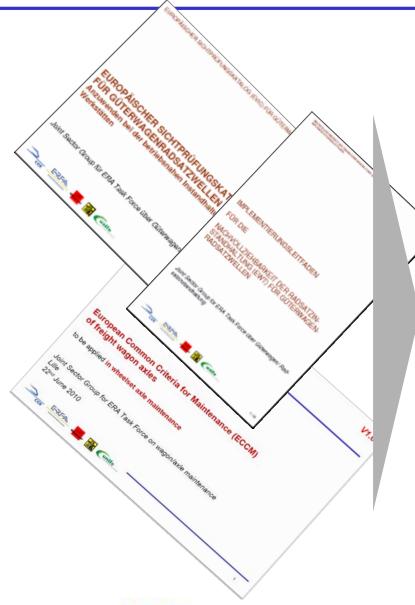








### Amendment of EN 15313 (axle maintenance) and EN 13103 (axle design) in CEN WG: finalisation not before 2012



#### Requirement for a Standard

Requesting Body: ERA on behalf of the Railway Sector	No: IU-RFS-035 Rev: 0 Date: 14/10/2010
Sub-system: Rolling stock	Title of TSI: CR RST: Freight wagons.
Other reference (interoperability constitu	ent,): Wheelset, axle

	Standards Body: CEN	Mandate Number:
>	WI Number:	WG Number:

Proposed Title: In-service wheelset operation requirements - In-service and off-vehicle wheelset maintenance

#### Scope of Standard:

The purpose of this revision of EN 15313:2010 and EN13103:2009 A1:2010 is to introduce the appropriate results of the task force "Freight wagon maintenance" created after the Viareggio accident of June 2009.

In order to increase the safety of the operation of Freight wagons and to have common examination criteria, a document for European Common Criteria for Maintenance (ECCM) has been agreed within representatives of the Railway sector, whose implementation has already started for several Keeper and Railway Undertakings in Europe.

In order to manage the quality of the wheelset freight wagon maintenance, a traceability system for in-service wheelsets has been agreed.

The parts of these results relevant for an EN have to be introduced into EN 15313:2010 and EN 13103:2009A1:2010 if necessary in specific clauses related to Freight wagons.

The revised standard will support Applicants, RUs and ECMs in specifying maintenance rules. This standard will be of voluntary use, with the purpose of justifying maintenance rules.

Note: This standard will not be used for conformity assessment against TSI. Therefore, ERA will not formally check and validate its content.

TSI Details (for information only: no conformity assessment required)









