



ERA WORK PROGRAMME FOR THE TSI SCOPE EXTENSION

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DIR 2008/57/EC (INTEROPERABILITY)

SCOPE OF 2008/57/EC: “Community rail system” (Art 1(1))

MEMBER STATES MAY EXCLUDE (Art 1(3)):

- “(a) metros, trams and other light rail systems;*
- (b) networks that are functionally separate from the rest of the railway system and intended only for the operation of local, urban or suburban passenger services, as well as railway undertakings operating solely on these networks;*
- (c) privately owned railway infrastructure and vehicles exclusively used on such infrastructure that exist solely for use by the owner for its own freight operations;*
- (d) infrastructure and vehicles reserved for a strictly local historical or touristic use.”*



DIR 2008/57/EC (INTEROPERABILITY)

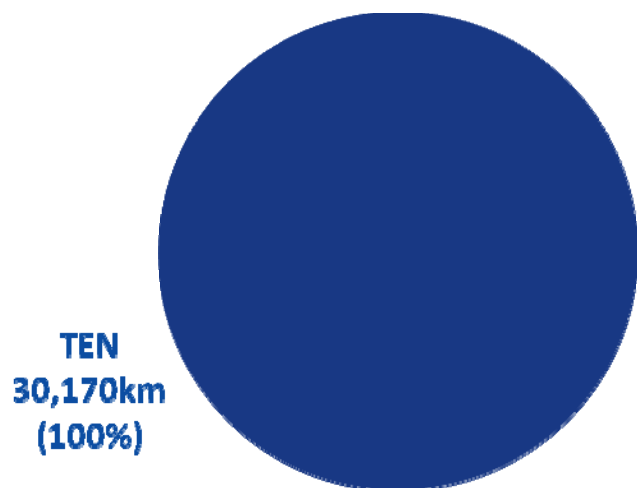
Art 1 (4): “the scope of the TSIs shall be progressively extended in accordance with Article 8 to the whole rail system, including track access to terminals and main port facilities serving or potentially serving more than one user,..”

Art 8: “the first such mandate [aiming at the development of new TSIs and/or the review of TSIs already adopted] shall indicate a first group of new TSIs and/or amendments to TSIs to be adopted by January 2012... This first mandate shall be drawn up on the basis of a recommendation from the Agency”.

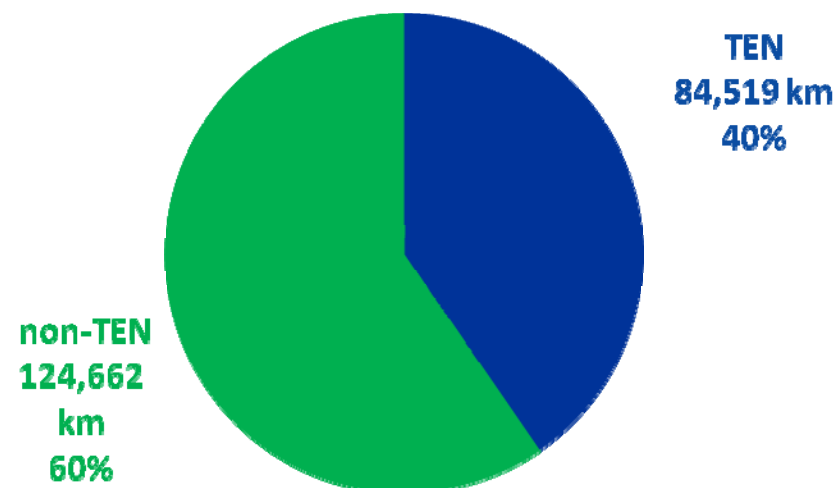


RAILWAY INFRASTRUCTURE (WHOLE EU + Norway)

HIGH SPEED

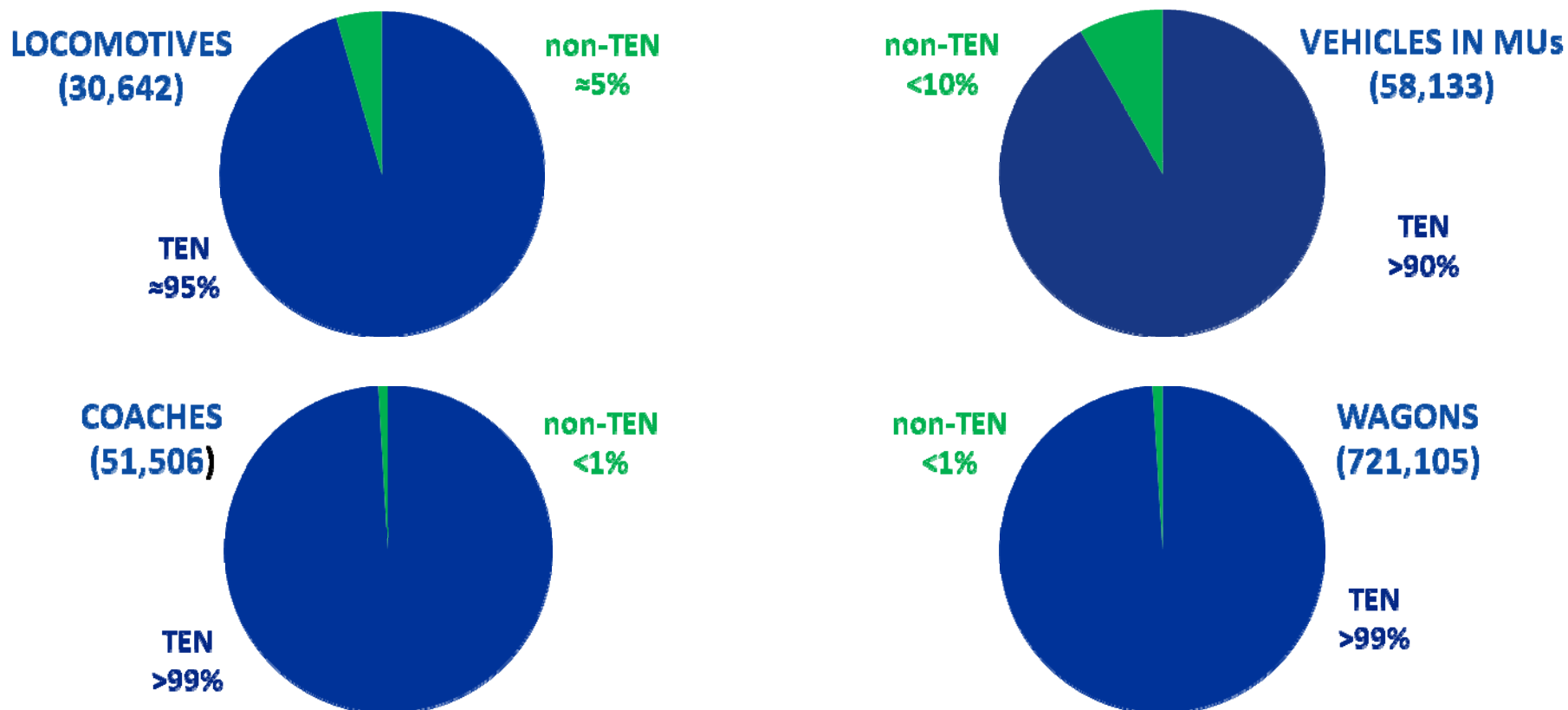


CONVENTIONAL





VEHICLES (WHOLE EU + Norway)





Some extensions of scope exist today

DE JURE EXTENSION TO THE WHOLE NETWORK (e.g. SE)

DE JURE EXTENSION TO THE MAIN PART OF THE NETWORK (e.g. FI, NL)

DE FACTO EXTENSION TO THE WHOLE NETWORK (e.g. NO, HU)

CASE BY CASE (PROJECT APPROACH) (e.g. RO)

OPE TSI: MANY STATES EXTENDED THE SCOPE
(AT, BE, CZ, FI, FR, HU, LV, LU, NL, SI, ES, SE)

NO FURTHER AUTHORISATION NEEDED FOR TSI CONFORM WAGONS
(DE, LU) (APPLICATION OF TSI IS NOT MANDATORY FOR OFF-TEN)

...



INFRASTRUCTURE

NEW CATEGORIES OF LINE NEEDED

BALANCE HOMOGENISATION/LOW IMPACT

60% OF BASIC PARAMETERS IMPACTED

(INCL. SOME TECHNICALLY COMPLEX WITH IMPORTANT COST IMPLICATION)

IMPORTANCE OF THE IMPLEMENTATION CHAPTER

(ESPECIALLY, UP-GRADES & RENEWALS)

...



ENERGY

NEW SUPPLY VOLTAGES (?)

NEW OHL GEOMETRIES/ THIRD RAIL (?)

53% OF BASIC PARAMETERS IMPACTED

*(INCL. SOME TECHNICALLY COMPLEX WITH IMPORTANT
COST IMPLICATIONS)*

...



CCS

ERTMS: NO ADDITIONAL CHANGES TO SPECS

NON-ERTMS BASIC PARAMETERS *(TODAY, OPEN POINTS)*

**IMPORTANCE OF THE IMPLEMENTATION CHAPTER
*(WHERE AND WHEN THE ERTMS HAS TO BE INSTALLED)***

NEW CLASS B SYSTEMS ON OFF-TEN ?

...



LOCOMOTIVES AND PASSENGER ROLLING STOCK

MAKE IT VOLUNTARY FOR OFF-TEN

NEW CATEGORIES (*INTERFACES WITH INF AND ENE*)

53% OF BASIC PARAMETERS IMPACTED

(INCL. SOME TECHNICALLY COMPLEX WITH IMPORTANT COST IMPLICATIONS)

**LOCAL AND SUBURBAN TRAINS TO BE ANALYSED
IN A COMPLEMENTARY STUDY**

...



FREIGHT WAGONS

MAKE IT VOLUNTARY FOR OFF-TEN

BASICALLY THE TSI CAN BE APPLIED TO OFF-TEN
(NETWORK WHERE RIV WAGONS CAN OPERATE)

5% OF BASIC PARAMETERS IMPACTED
(NO MAJOR PROBLEMS)

NOISE

BASICALLY THE TSI CAN BE APPLIED TO off-TEN



SAFETY IN RAILWAY TUNNELS

BASICALLY THE TSI CAN BE APPLIED TO OFF-TEN

IMPORTANCE OF THE IMPLEMENTATION CHAPTER
(ESPECIALLY, UP-GRADES & RENEWALS)

PRM

FEW BASIC PARAMETERS IMPACTED

BUT SOME OF THEM ARE COMPLEX *(e.g. GAP)*

IMPORTANCE OF THE IMPLEMENTATION CHAPTER



OPERATION

TECHNICALLY APPLICABLE TO THE WHOLE NETWORK

TO BE FOCUSED ON

- **ECONOMIC EVALUATION**
- **IMPLEMENTATION STRATEGY**



TAF

CAN BE APPLIED TO THE WHOLE NETWORK

**TODAY'S DEPLOYMENT SCOPE TO BE ANALYSED
IN A COMPLEMENTARY STUDY**

TAP

**IS BEING DRAFTED FOR THE WHOLE RAIL SYSTEM
(*NO IMPACT BECAUSE OF EXTENSION OF SCOPE*)**



HIGH SPEED AND CONVENTIONAL TSIs

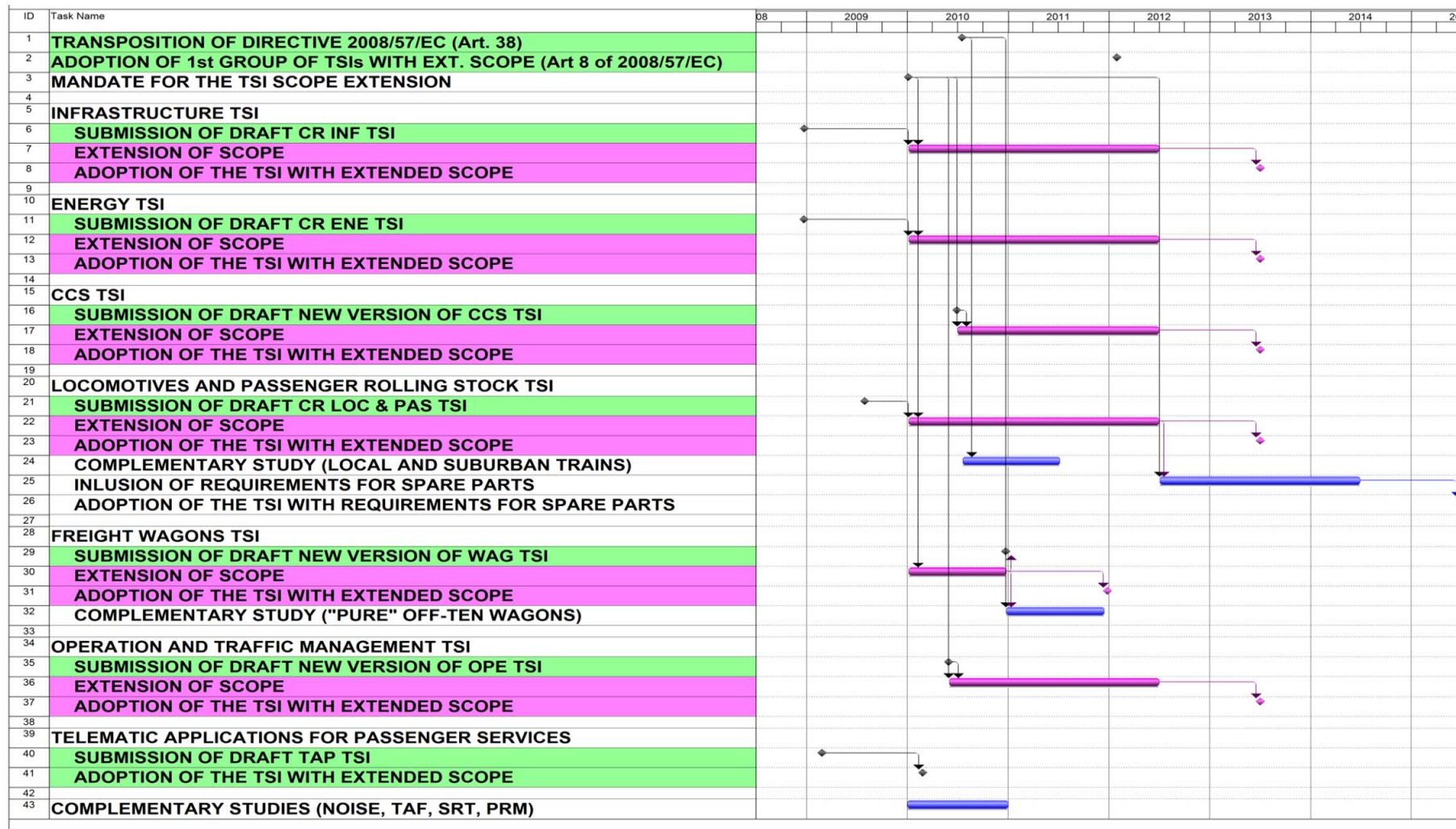
- **MERGING IN ONE DOCUMENT PER SUBSYSTEM OR**
- **PARALLEL ALIGNED TSIs?**

TRANSVERSAL SUBJECTS (SRT, PRM, NOISE):

- **KEEPING OF TRANSVERSAL TSIs OR**
- **INCLUSION IN STRUCTURAL TSIs?**



Work programme





**RECOMMENDATION HAVE BEEN SUBMITTED
(AUGUST 2009)**

WAITING FOR MANDATE (BY END 2009 ?)

LAUNCHING WORK PARTIES (2010)