

**Fast, efficient and straight-forward:**

**New methodologies to develop  
railway standards**

**Project Team approach**

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# Railway Standards - Project Team Approach

Draft for Public Comment

Form 36  
Version 6.1



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**Example  
Pilot scheme -  
accelerated drafting**

DPC: 05/30130375 DC

Date: 2 March 2005

Origin: European

**Latest date for receipt of comments: 30 June 2005**

Project no.: 2005/00596

Responsible committee: RAE/1 Railway Applications

Interested committees:

Title: Draft EN 15153-1 Railway applications - External visible and audible devices for high speed trains  
Part 1: Head, marker and tail lamps

# Railway Standards - Project Team Approach



## Railway Standards - Project Team Approach

**“SMEs want  
timely delivery  
of standards”**



**“Standards take  
too long”**

Rene Groothedde  
Secretary General,  
CECIMO

CAG TC Chairmen's  
Summary 2001

## Railway Standards - Project Team Approach

Desire for faster, more efficient standards

**Resolution BT 1/2002** states that  
36 months should be seen as the normal  
time for developing standards to achieve  
the goal of accelerated standards  
(Action 2);.....

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**CEN Process  
Short reminder**



## Railway Standards - Project Team Approach

- Active professional project management by TC Secretariat and CMC
- Committed drive by TC Secretariat, Chairmen and WG convenors, during and between meetings
- Effective WG meeting structure
- No internal CEN enquiry
- Support from all participating NSB Members: timely expert contribution
- Responsive Consultants / Experts

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	Target time to complete (months)	Target time with tolerance (months)	Actual prEN15153-1
Deliver first document	6	6 + 0	2
Complete Enquiry draft	6	6 + 9	4
Processing including translation	3	3 + 0	6
	15	24	12

## Railway Standards - Project Team Approach

**How was the first document delivered in 2 months ?**

- Intensive drafting sessions with small groups
- Experienced technical specialists
- Prompt delivery to CEN TC256
- Gathering of normative reference documents prior to the drafting
- The development of a look-up table to cross-reference requirements .....

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## Requirements look-up table for head, tail & marker lamps.

	Document (nr = no requirement)							
Requirement	Draft TSI Clause 4.2.20	Draft TSI Annex H	UIC 452	UIC 532	UIC 534	GMRT2180 UK	DIN V5566-2 DE	NF F 1402 FR
Arrangement of front end lights	3 fixed white indicator lamps, triangle format	nr	nr	nr	2 fixed electric signal lamps, plus upper lamp.	3 fixed white indicator lamps, triangle format	nr	3 fixed white indicator lamps, triangle format
Front lights, vertical arrangement	nr	Same height: Min. 1600mm, Max. 2000mm ARL.	nr	nr	Min. 1500, Max. 1700mm ARL.	Same height: Min. 1400, Max. 1750mm ARL.	nr	Min. 1500, Max. 1700mm ARL.
Front lights, dimensions [ $\varnothing 170\text{mm} = 28900\text{mm}^2$ ]	nr	nr	nr	nr	Fixed lamps $\varnothing 170\text{mm}$ .	Head lamp: 16000- 43000 $\text{mm}^2$ Marker lamp: Min 8000 $\text{mm}^2$ .	nr	Fixed lamps $\varnothing 170\text{mm}$ , max. 2° between geometric / optical axes.

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### What have been the main obstacles ?

- Understanding the relationship between emerging TSI's and the prEN being drafted.
- Identifying the technical requirements from the operational requirements which were included in the first draft.
- Dealing with departures from UIC requirements.
- Ensuring the identification of interoperability constituents.
- Looking ahead to the requirements for compatibility with Conventional TSI's

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	Target time to complete (months)	Actual prEN15153-1
Enquiry	5	5
Comment resolution/consultant	8	In progress ....
Translation/ Processing/consultant	3.5	?
Formal Vote	2	?
Processing including translation	2.5	?
	21	?

## Railway Standards - Project Team Approach

### Summary:

Months

Target time to complete

36

Target times + maximum justified  
tolerance by TC resolution

54

**Projected time to complete prEN15153-1  $\leq 33$**

## Railway Standards - Project Team Approach

### Conclusions (1):

The balance between getting it done quickly and getting it right is difficult.

It is certainly possible to develop an “80% right” first draft in less than 6 months using the Project Team approach.

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### Conclusions (2):

prEN15153-1 is not yet complete, but the pilot scheme for accelerated drafting appears to be successful.

At the present rate, the target of “3 years to market” appears achievable.

.... **we will be able to say more in 2006**

# Railway Standards - Project Team Approach

**Thank you for your attention**

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