



What is 'Requirements Capture'?

(EU) 2018/545:

- Identification
- Assignment
- Implementation
- Validation



What are the Requirements (IOD)?

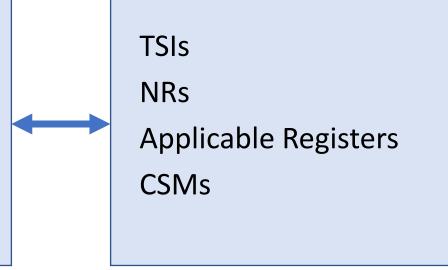
Essential Requirements

Declarations of Verification

Technical Compatibility

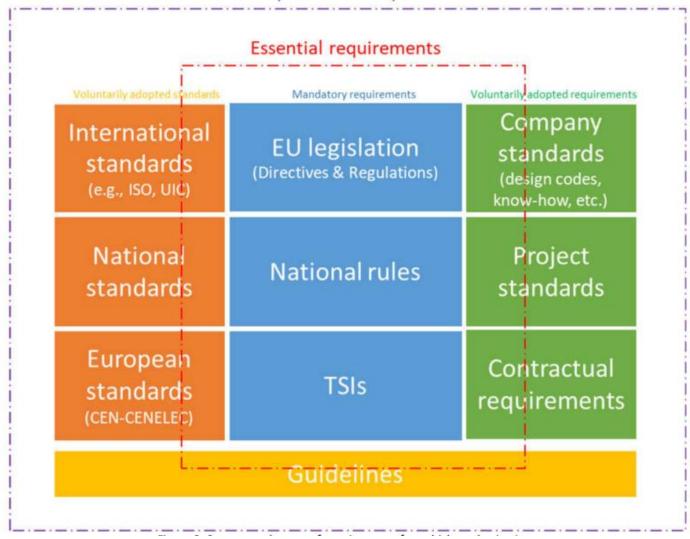
Safe Integration

Area of use for vehicles



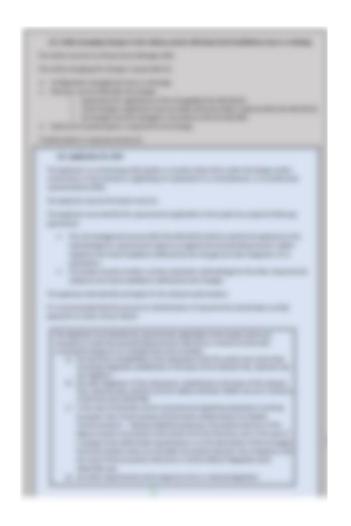


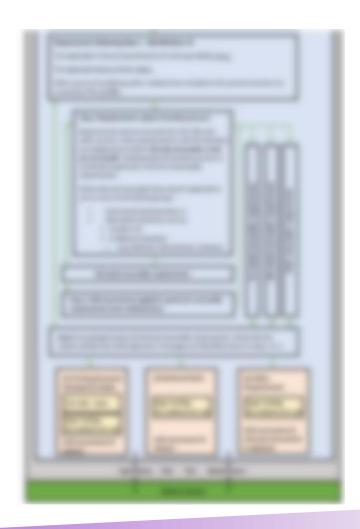
Requirements capture





CRR-G-009 Annex 5 Figure 1







Entity Making Change Responsibilities

- Significance Check
- Placing in Service
- Configuration management
- Determine if authorisation is required



Applicant Responsibilities

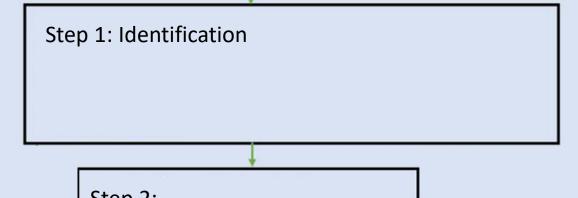
Requirement capture

• Determine authorisation(s) required



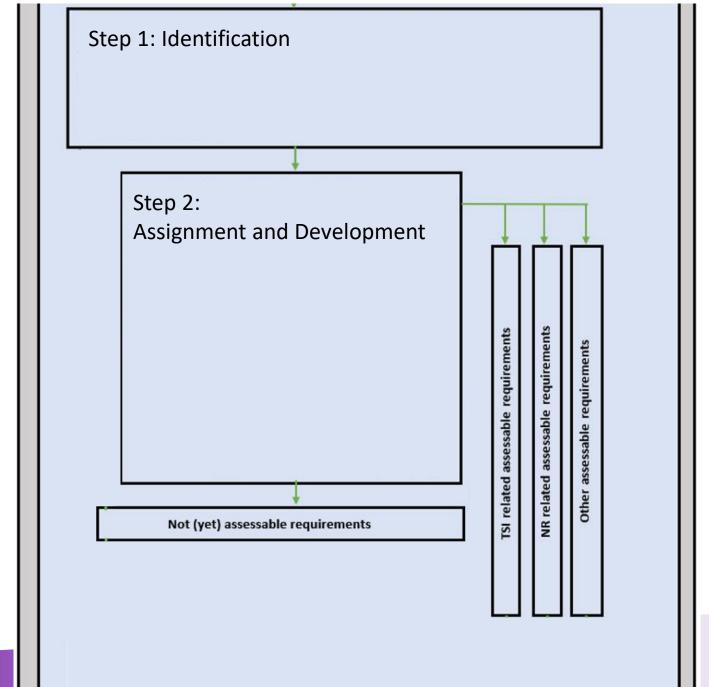
Step 1: Identification



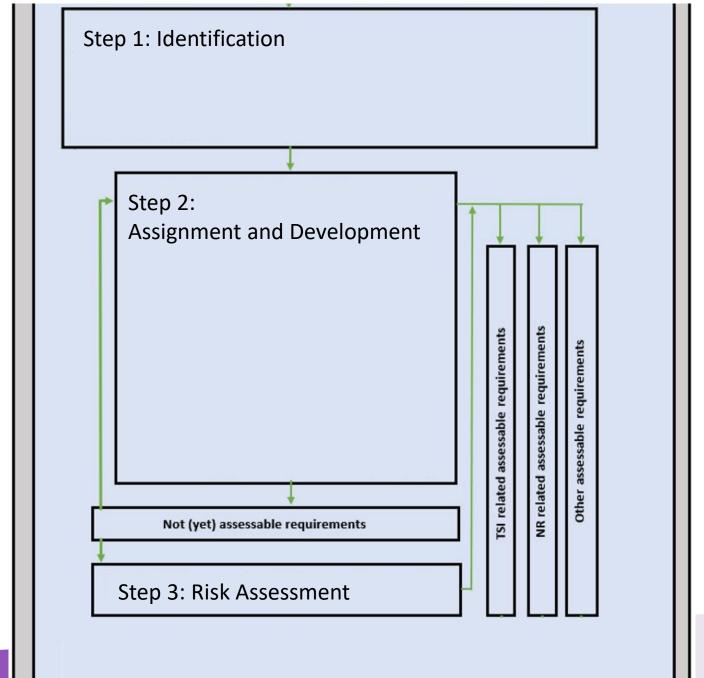


Step 2: Assignment and Development

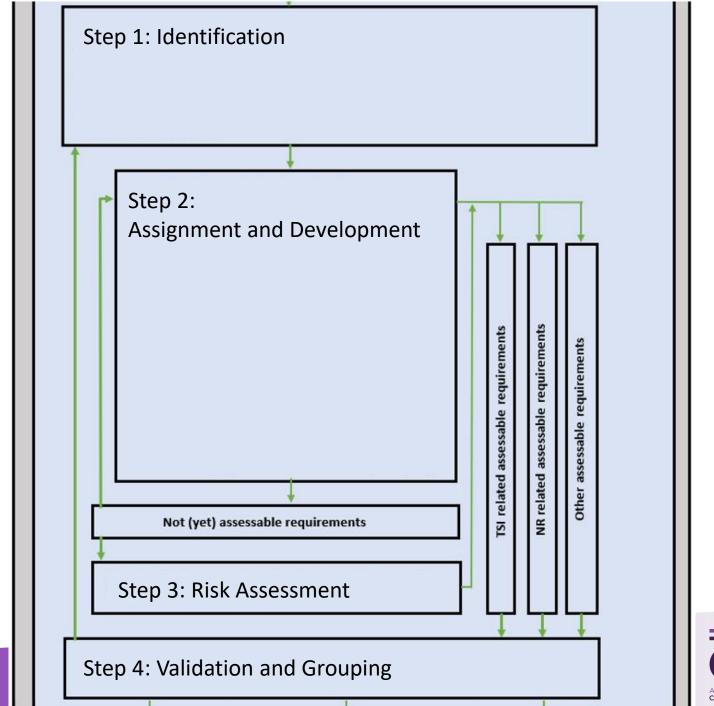




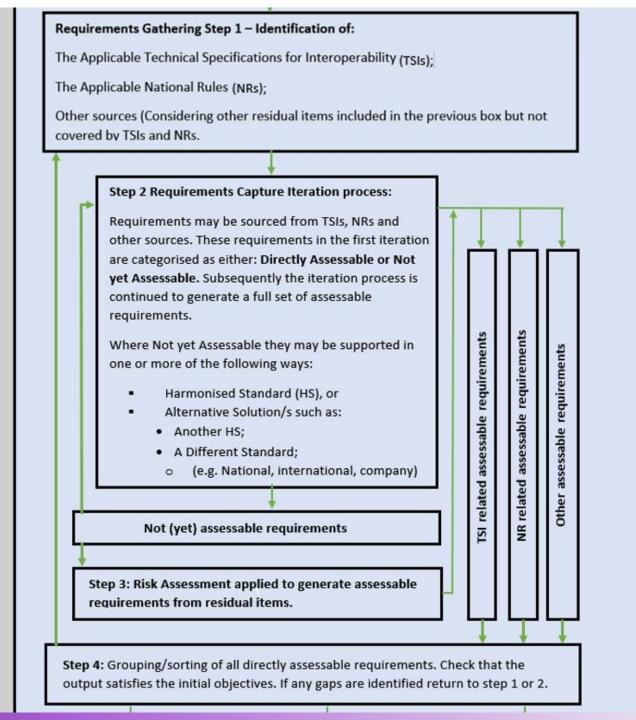














Example

- TSI LOC and PAS 4.2.2.9. Mechanical characteristics of glass (other than windscreens)
 - Where glass is used in glazing (including mirrors), it shall be either laminated or toughened glass which
 is in accordance with one of the relevant publicly available standards suitable for railway application
 with regard to the quality and area of use, thereby minimising the risk to passenger and staff being
 injured by breaking glass.
- ISO 22752:2021(en) Railway applications Bodyside windows for rolling stock
 - ISO 3917:2016 Road vehicles Safety glazing materials Test methods for resistance to radiation, high temperature, humidity, fire and simulated weathering
 - ISO 7892:1988, Vertical building elements **Impact resistance tests** Impact bodies and general test procedures



Summary

- Requirements management is Crucial
 - Identification, Assignment, Implementation and Validation
- The applicant is responsible for Requirements Capture
- Requirements broader than TSIs and NRs
- Acceptable Approach in CRR-G-009 Annex 5



