International Requirement List
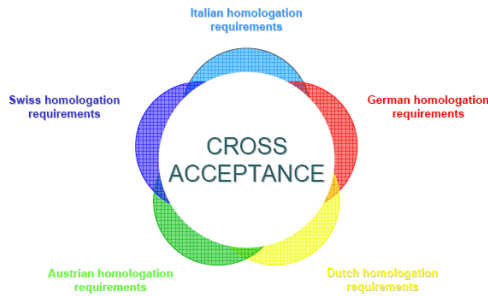
IRL Information

The IRL (International Requirement List) is a Task Force Interoperability (TFI) project.

The IRL consists of the following members:

- BAV (Bundesamt für Verkehr - Swiss Federal Office of Transport)

- BMVIT (Bundesministerium für Verkehr, Innovation und Technologie - Austrian Federal Ministry of Transport, Innovation and Technology)

- DB Netz AG - Technical network operator

- EBA (Eisenbahn-Bundesamt - German Federal Railway Authority)

- IVW (Inspectie Verkeer en Waterstaat - Dutch Transport and Water Management Inspectorate)

- ÖBB Netz AG - Network Certification Authority

- RFI - DT - Cesifer (Rete Ferroviaria Italiana S.p.A., Direzione tecnica Certificazione Sicurezza Imprese Ferroviarie - Italian Rail Network Technical Department for Security Certification)
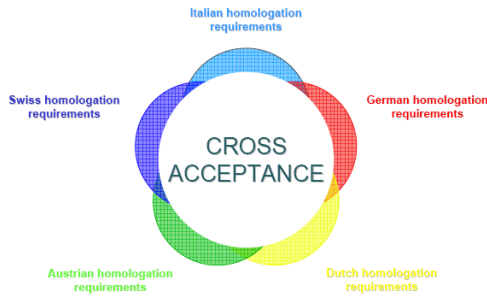
The IRL, International Requirement List, is a jointly agreed requirement list for railway vehicles and contains all of the requirements of the certification authorities and network operators from Germany, Italy, the Netherlands, Austria and Switzerland.

The next figure shows its structure.

Thema: Verbindung Wagenkasten, Radsätzen, Bremse und Traktion			
Identnummer: 4.1	EBA	BMVIT	IVW
Nationale Id	04/4.1.3	A/1.17, A/1.8, A/1.9	Art.3/1/5b
Gesetze, Richtlinien, Normen	EN 13749, UIC 615-4	EN 13749, UIC 615-4	UIC 615-0, UIC 615-1, UIC 615-4
Detaillierte Anforderungen	Drehgestellrahmen mit Verbindungen zum Wagenkasten, zu Radsätzen, zur Bremse und Traktion

Die Festlegung der Prüfkräfte muss die Einsatzbedingungen der Fahrzeuge berücksichtigen

Nachweis ausreichender Festigkeit gemäß Regelwerk durch FEM-Berechnung und Versuch. | Sekundärfeder

Primärfeder | Regelung zur Prüfung von Schienenfahrzeugen Artikel 3
Ein Eisenbahnfahrzeug erfüllt die in Anlage 1 dieser Verordnung genannten Anforderungen für die betreffende Kategorie, zu der das Bahnfahrzeug gehört.

Anlage 1
5. Laufwerk
b) Komponenten, Drehgestelle, Radsätze, Achslagerung, Federn, usw. |
Prüfstelle			
Zu informierende Zulassungs-/Netzzugangsstelle bei Testprozedur			
Nachweis			☐ Zusatzinform
Antragstellung			
Technische Beschreibung	X	X	
Konformitätserklärung			
Zeichnung / Stückliste		X	X
Prüfbericht	X		
Kalkulation / Berechnung	X	X	X
Instandhaltungsanweisung			
Zulassungsbescheid			
Gutachten	X	X	

Exemplary figure of requirements for the subject
"Connection: car-body, wheel-sets…"

The IRL describes the requirements (standards, regulations, laws and rules), according to which single components up to whole railway-vehicles are officially approved.

In agreement with the TFI members, AEbt compiled in the IRL one common requirement list for railway vehicles (until now Electro- and Diesel-engines) from current requirement catalogues of the TFI-members. The IRL contains all current requirements of the national homologation organisations and network operators.

The requirement list is displayed in your browser as a website which allows the access to the data-base.

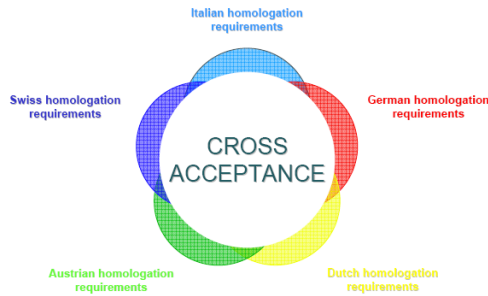This Website can be found at www.rail-irl.eu.

The access to the website of the IRL is provided via an authentication system. The communication with the data base is secured through an encrypted SSL connection.

For the registration, there is an application form on the Website. In this application form, you can also find the costs and commercial guide lines.

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The requirement list is displayed as a spread-sheet table. The layout and properties of a requirement are set by a blank form.

There is a search mask for the user. The search function interprets all fields of the form as well as all data records from the data base. The search will be done for the set language only. There are additional filters for found or displayed data sets. By this, you can use the filter for all properties of the form.

You can export the catalogue as a PDF-file. This function is available for the selected data sheet or the whole catalogue.

Appointed date of release is 01/03/2008.

Annexes:

- TFI: Presentation

- IRL-Presentation