IRIS’ technical evolutions & rules

September 22nd, 2016
InnoTrans - Berlin

For a worldwide culture of quality in rail!
IRIS’ technical evolutions & rules

- Stefan Siegler - Vice President Business Excellence and Quality Management, Siemens AG

- Volker Buhrmester - Head of Quality Standards Rolling Stock DB AG

- Angela de Heymer - IRIS Senior Manager
In June 2015, the Presiding Board of UNIFE agreed on the principle to shift the requirements of IRIS to ISO.

Several steps were taken since 1 year:

- **Requirements transferred to ISO:**
  - UNIFE as “A” Liaison of ISO/TC269 (rail technical committee of ISO)
  - Ad-Hoc group created to assess the need and feasibility (AG15)

- **Conformity assessment kept at sector level:**
  - Rail sector working group to prepare evolution of the assessment methodology and certification process under UNIFE responsibility.
Milestones

Based on ISO decision in June 2016:

- ISO/TS to be published latest in May 2017

- UNIFE will publish the rules for certification in parallel

- End of validity of the IRIS Rev.02 certificates:
  - 14 September 2018 (as the ISO 9001:2008 one’s)
Correlation of the IRIS Certification™ with product quality

IRIS is improved by
- rail specific requirements
- performance evaluation during audit
- enhanced audit methodology

Already today a better and worldwide recognition by customers is visible.
Current situation vs new concept

Current approach

ENABLERS

Audit procedure

- Suitability of the Management System
- Grade of implementation

Performance / Results

- Performance of suppliers varies
- IRIS certificate is not confirming the expected delivered product quality
- Variation in suppliers performance is high independent of having an ISO, IRIS or no certificate

New concept

ENABLERS

Audit procedure

- Suitability of the Management System
- Grade of implementation

Performance / Results

- Evaluation of Quality Performance / RESULTS
- open books policy
- Good RESULTS

Improving targets over the time => SECTOR STANDARD
I. Meeting stakeholder needs
- Stakeholder analysis
- Customer feedback

II. Strong evaluation through
- Enabler evaluation: assessment sheet
- Performance / result evaluation

III. Increase recognition and visibility of the results through
- Certificates levels

Focus on customer relevant key critical processes and performance parameters

=> Clear process focus / „Turtle audits“

=> Performance evaluation on output parameters

=> Proven customer relevant quality performance necessary to obtain premium certificate
Für externe Präsentationen bitte immer eine Titelfolie mit der Ressort-Farbe verwenden.

Zukunft Bahn
Mehr Qualität.
Mehr Kunden.
Mehr Erfolg.
DB is driving the partnership with the railway industry to achieve systematic improvements in product quality.

- **New international standard**: “Business management systems – Particular requirements for the rail sector”
- **International standard on machine-readable markings for serialized parts**
- **New ISO/TS on “Business management systems – Particular requirements for the rail sector”**
- **International Railway Industry Standard, Version 2016**, including operator requirements for Ad Hoc Group 15 within ISO Technical Committee 269 “Railway Applications”
- **New DB concept of flexible supplier quality control and focus on direct contractors “QS neu”**
- **Memorandum of Understanding** between DB and UNIFE on promotion of product quality by IRIS activities
- **VDB Guide to Quality Engineering in the development of railway vehicles**
- **Memorandum of Understanding** between DB and VDB on Quality Engineering in the development of railway vehicles
Together with UNIFE and major European operators DB promotes a railway standard focused on quality of products

With the new ISO-standard the sector has the chance to align to quality management requirements and make a big leap forward.

- To improve the **impact on product quality** customer focus and **defect prevention** are mandatory elements of the new standard

- **Customer perception of quality**
  The promise given by the cert must be kept and perceived by the customer of the product. If this is the case, more and more players on the market will require adherence to ISO/TS according to the new IRIS certification scheme

- **Any standard is only as good as it's application.** It now depends on certification bodies, certified companies and customers to use the new approach for improving the sectors performance
Thank you for your attention!

More information:

- International Standard on machine readable marking for serialized parts:
  DB & GS 1 on the VDV Booth:
  Halle 2.2 Stand 302
- New DB inspection scheme:
  DB Supplier Portal
  http://www.deutschebahn.com/de/geschaefte/liefenantenportal/Informationsservice/dokumente.html