

#### SAFETY & RELIABILITY SOCIETY

### LESSONS LEARNED FROM 10 YEARS OF USING THE CSM FOR RISK EVALUATION AND ASSESSMENT (CSMRA)

### BY CAROLYN SALMON, DRAGAN JOVICIC, IVAN LUCIC AND PETE GRACEY

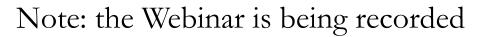
18<sup>TH</sup> MAY 2021

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# Programme

- Introduction
- Summary of the key points from the CSMRA webinar on the 28th April – Dragan Jovicic
- Key Lessons learned from 10 years of Independent Assessment Carolyn Salmon
- Q&A/Panel session 5 sections
- Summary Key points to think about going forward Dragan Jovicic
- Accessing the webinar recording and slides
- Feedback





Q&A Panel session on "Lessons learned from 10 years of using the CSM for risk evaluation and assessment (CSM RA)" (EU Reg. 402/2013)

Summary of key points

Safety and Reliability Society (SaRS) Q&A Pannel, 18 May 2021 Dragan JOVICIC, EU Agency for Railways





- □ Railway market opening split integrated railway companies into many different players → <u>cooperation</u> among actors <u>crucial</u> for control of risks through interfaces
- □ CSM RA introduces a new mind set for managing railway safety : → proactive risk based approach "Predicting & Preventing" instead of only "React and Fix" approach
- □ WHAT? → harmonised process but not constraints on HOW? to implement it Does not request anything new railways shouldn't be doing
- Independent AsBo needed to support mutual recognition Proposers and AsBo should work together more not in conflict
- □ 10-15% stakeholders have a good experience → CSM RA effective but the large majority have difficulties with understanding & implementation
- Sector reluctant using CSM RA (fears of administrative burden and increased costs)
  Significant change concept intentionally misused to avoid CSM and AsBo
- Average rate of significant changes: 2 to 3% mainly technical ones Usually "non-significant" wrongly interpreted as permission to do nothing

#### Need for intensive education & training to demystify methodology

Q&A Panel session on lessons learned from 10 years of using Reg. 402/2013 on the CSM RA – SaRS Webinar, 18 May 2021

#### Slide n° 4



#### An AsBo's view on CSM RA

Carolyn Salmon Lead AsBo 18 May 2021

Creating a world fit for the future

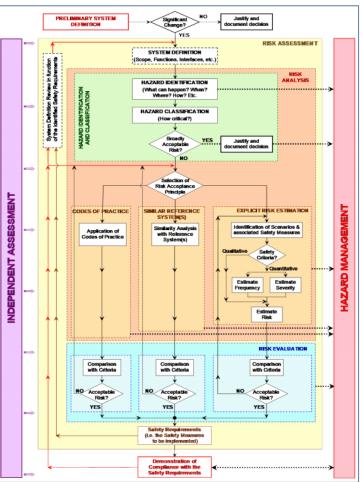
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## **CSM RA can bring benefits to rail sector**

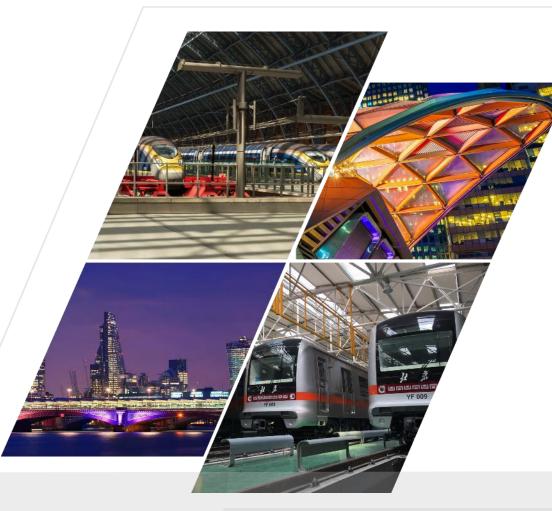
- Fundamentally same as what we have been doing for years
- Provides a pragmatic (simpler) approach to safety engineering for a mature rail sector
- Make good use of Codes of Practice and Reference Systems as a means for hazard management
- First application may be challenge, but done well will provide foundation for future similar applications





# Successfully engaging with your AsBo

- Appoint AsBo as soon as possible and build a good relationship with your AsBo; we are your friend not your foe
- What does an AsBo do?
  - AsBo does *not* perform just a "tick box" exercise
  - Must also look at the results of the application of the CSM RA process
  - Undertake sampling and detailed deep dive assessments in some areas
  - There is no difference between ISA and AsBo
- Recommendations from an AsBo
  - Don't keep starting from scratch; but don't stop thinking either
  - Hazard Record is the cornerstone of the process; manage carefully
  - Be honest
  - Allow enough time for the AsBo to complete their work; include us in your programme



# **Q&A** Sections



- Assessing Significant changes including Additionality
- Use of the Risk Acceptance Principles and Determining Risk Acceptability
- Independent Assessment
- Depth of analysis (proportionality) and documentation
- General questions



Q&A Panel session on "Lessons learned from 10 years of using the CSM for risk evaluation and assessment (CSM RA)" (EU Reg. 402/2013)

Next steps for improving understanding and use

Safety and Reliability Society (SaRS) Q&A Pannel, 18 May 2021 Dragan JOVICIC, EU Agency for Railways





- ERA & NSA: appropriate Dissemination Program & Training in native languages to improve awareness on "risk management concepts" (RA&MO) & Safety Culture
- □ Leave time to enable sector "learning & improving by doing" (gain experience)
- □ Avoid additional burden and confusion with unnecessary revision of legislation
  - → build a solid return of experience with objective justifications for improvements or clarifications before revising legislation/guidance material
- **EC-ERA-MS:** strategic decisions and initiatives in terms of education and training to:
  - compensate current lack of expertise on market in railway risk assessment;
  - anticipate growing loss of railway expertise with a continually increasing number of employees reaching age of retirement;
- □ AsBos: improve technical competence & working method (no box-ticking → expert judgement on risk assessment results) Accreditation, recognition, cooperation
- Monitoring by ERA, NSAs and European Co-operation for accreditation (EA) of effectiveness of control mechanisms in EU legislation and better target areas for further improvement of ERA, NSA, EA, RU, IM, ECM, NoBo, AsBo, DeBo activities

#### Slide n° 10



Making the railway system work better for society.

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Questions? → Send e-mail on: CSM.risk\_assessment@era.europa.eu

# Accessing the webinar recordings

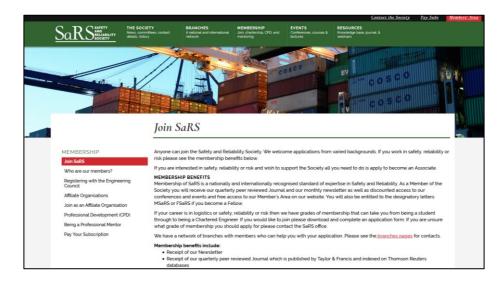
- All webinar recordings are archived under the Resources Tab on the SaRS website
- SaRS members can access this archive as a member benefit:
  - You can join as a full member, or
  - The simplified **"Associate of the Society"** grade which gives you access to all the SaRS resources including the webinars.
  - See <u>www.sars.org.uk</u>
- This webinar recording will be available to you in a couple of days



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- Thank you very much and STAY SAFE

