



EUROPEAN
UNION
AGENCY
FOR RAILWAYS

Integration of Human and Organisational Factors in Railway Automation

2-3 December 2020

REMOTE CONFERENCE

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Introduction to the seminar

Josef DOPPELBAUER – Executive Director

Example of opportunities of automation



**Global
optimisation**



**Optimisation
of normal
operations**



**Standardisation
of rules**



**Staffing
improvement**

OPPORTUNITIES OF A USER-CENTRED DESIGNED AUTOMATISATION

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Example of challenges of automation




New risks to be assessed



Trust issues – overtrust, undertrust or mistrust




Additional complexity-
New human errors



Change in roles – new skills
with higher qualifications
and risk of skill degradation

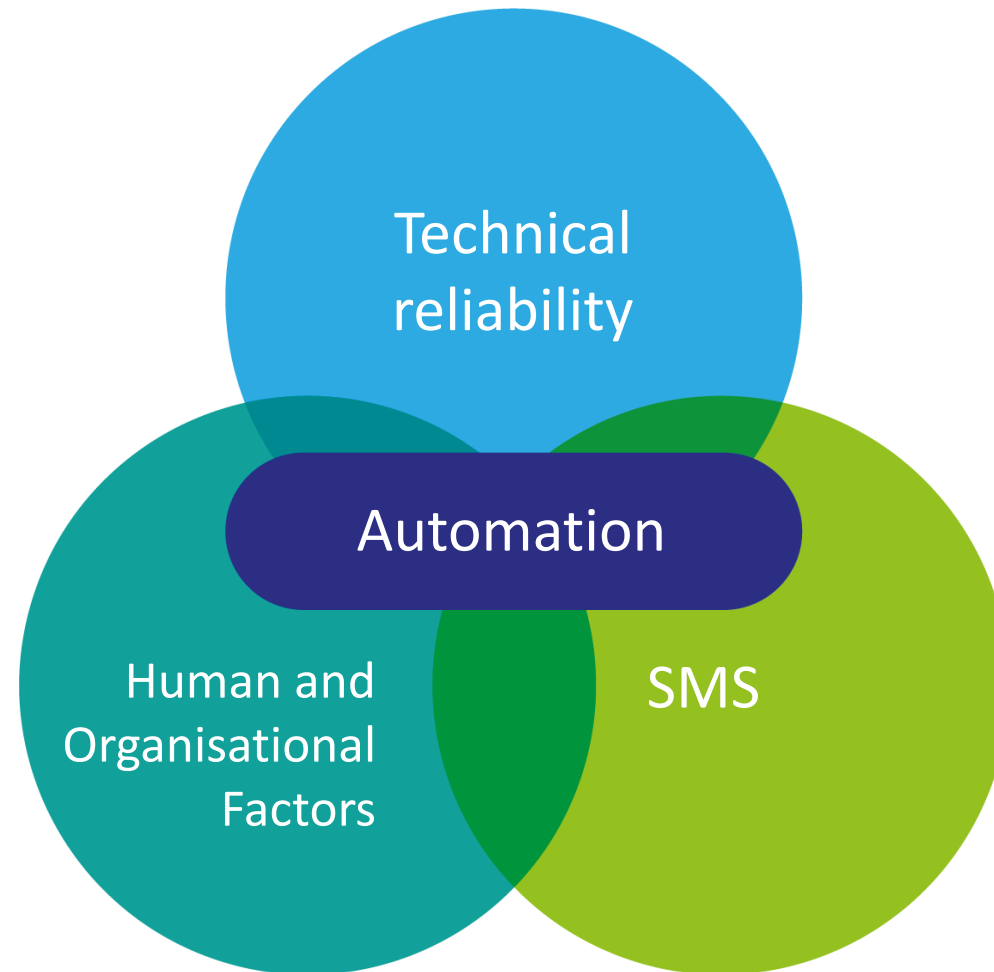


Clarification of
responsibilities



Automation vs human
paradigm

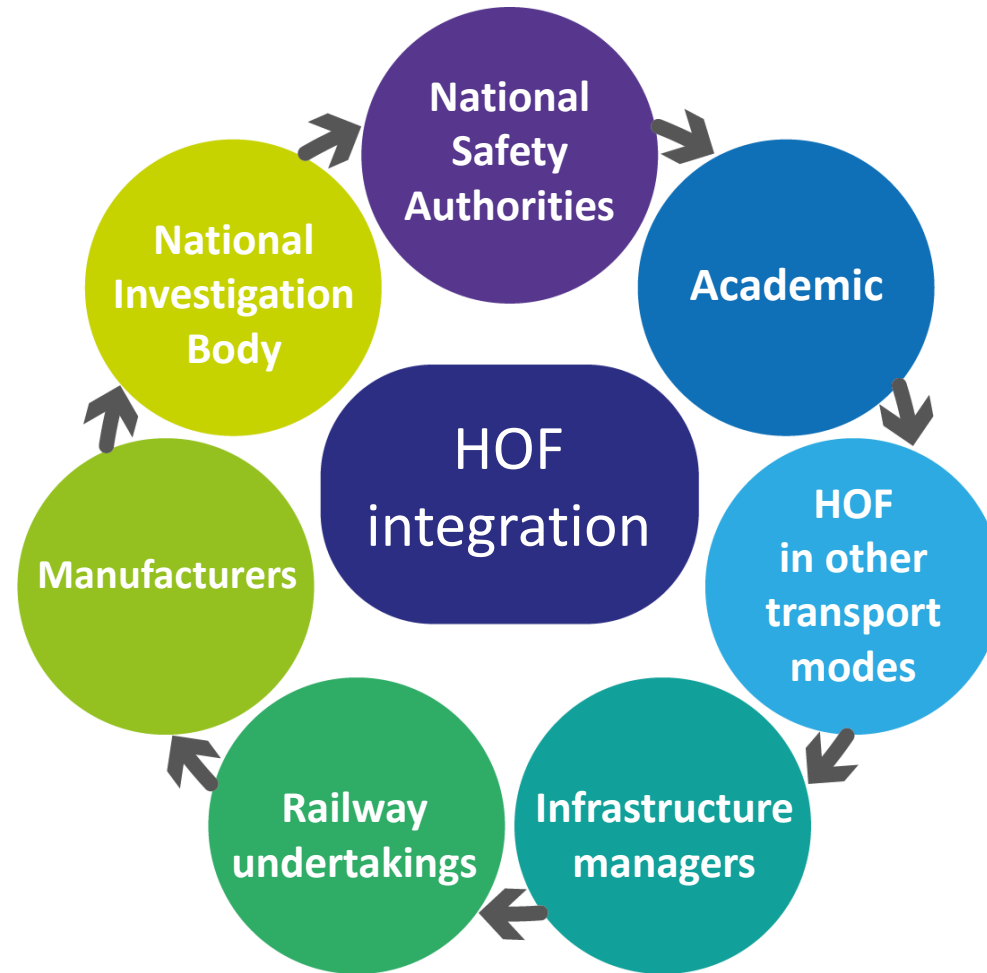
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