



IRSC 2022

INTERNATIONAL RAILWAY
SAFETY COUNCIL

SEVILLA, OCTOBER 16-21, 2022





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LET'S DISCUSS RAILWAY VEHICLE MAINTENANCE



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ARCHITECTURE OF THE RAILWAY SYSTEM

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CONCLUSIONS

ARCHITECTURE OF THE RAILWAY SYSTEM



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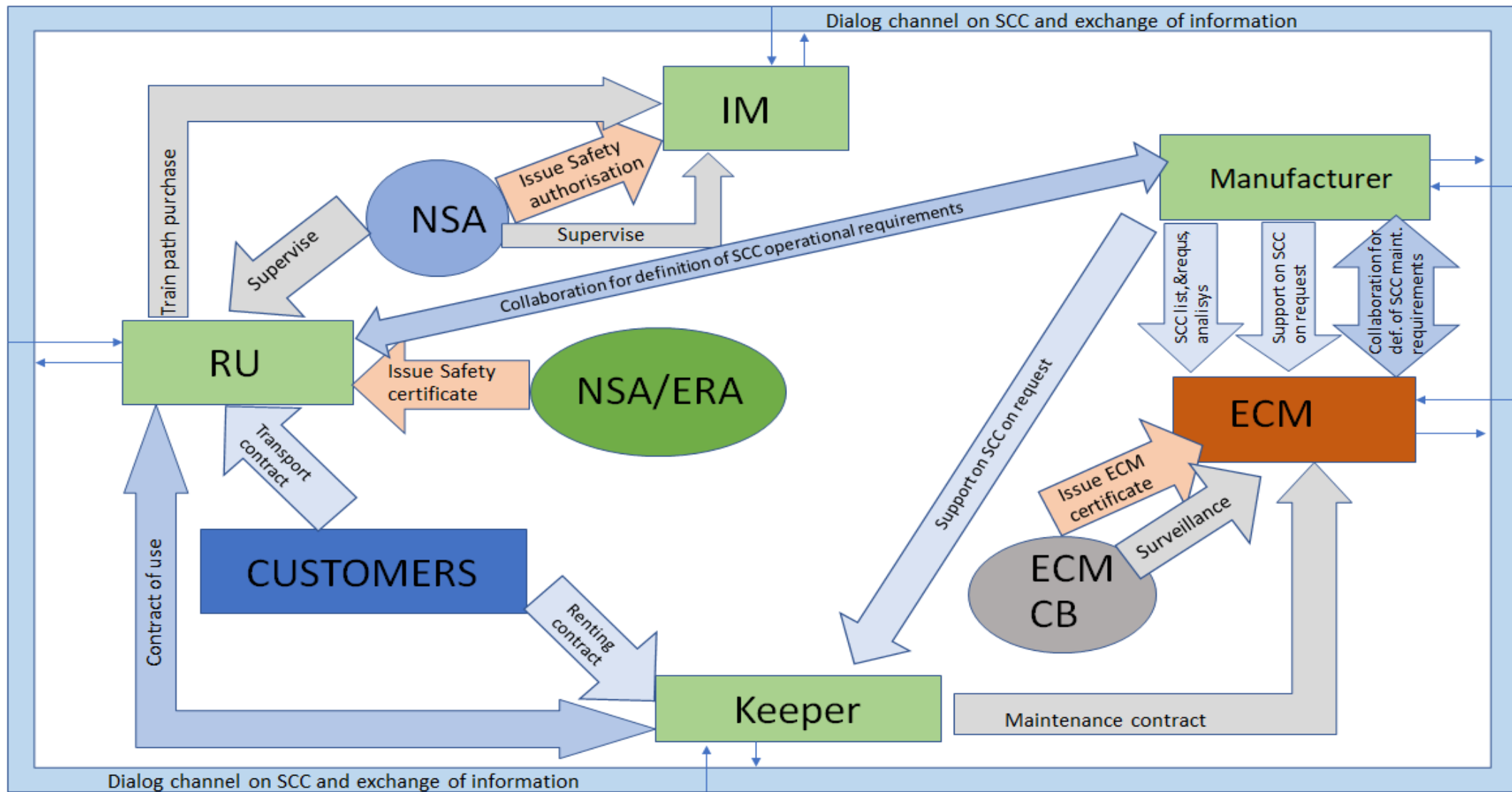


RAILWAY SYSTEM

Actors

Roles

Links



THE ECM CONCEPT



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Maintenance of railway vehicles



MAINTENANCE OF VEHICLE



- Restore the vehicle in its conditions of use (design operating state)

MAINTENANCE



DESIGN OPERATING STATE

- Described in the technical file



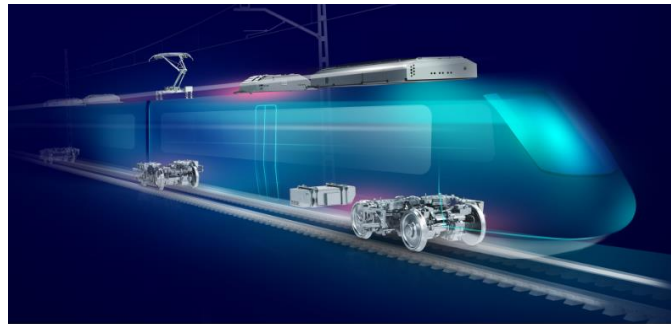
USE

- The vehicle is operated



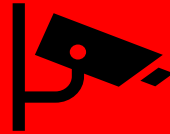
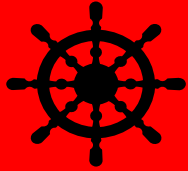
DEGRADATION OF PERFORMANCE

- Vehicle no more in a design operating state



E
C
M

Maintenance management



Maintenance development



Fleet management



Maintenance delivery





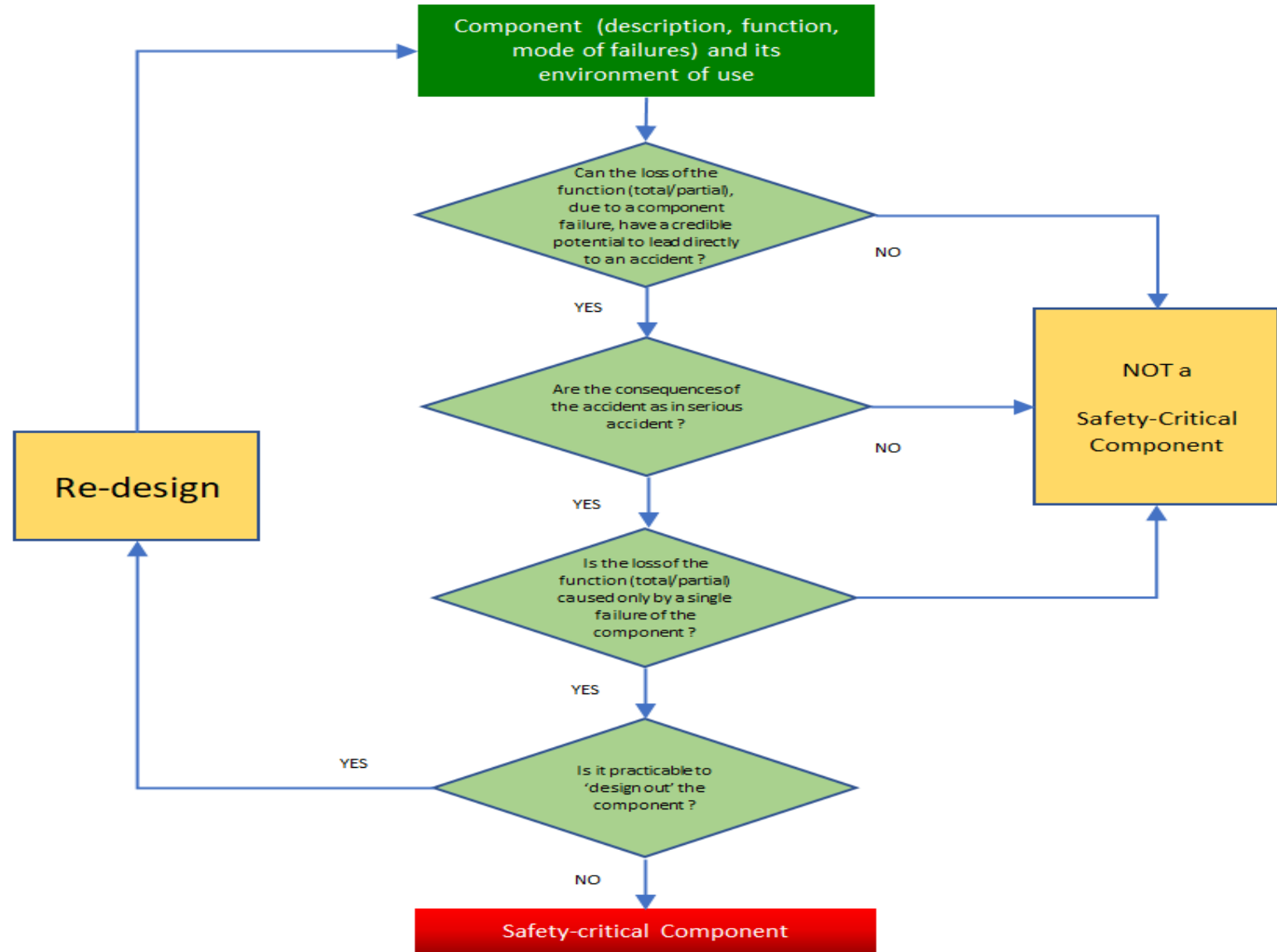
SAFETY CRITICAL COMPONENTS, A WAY TO IMPROVE THE COMMUNICATION



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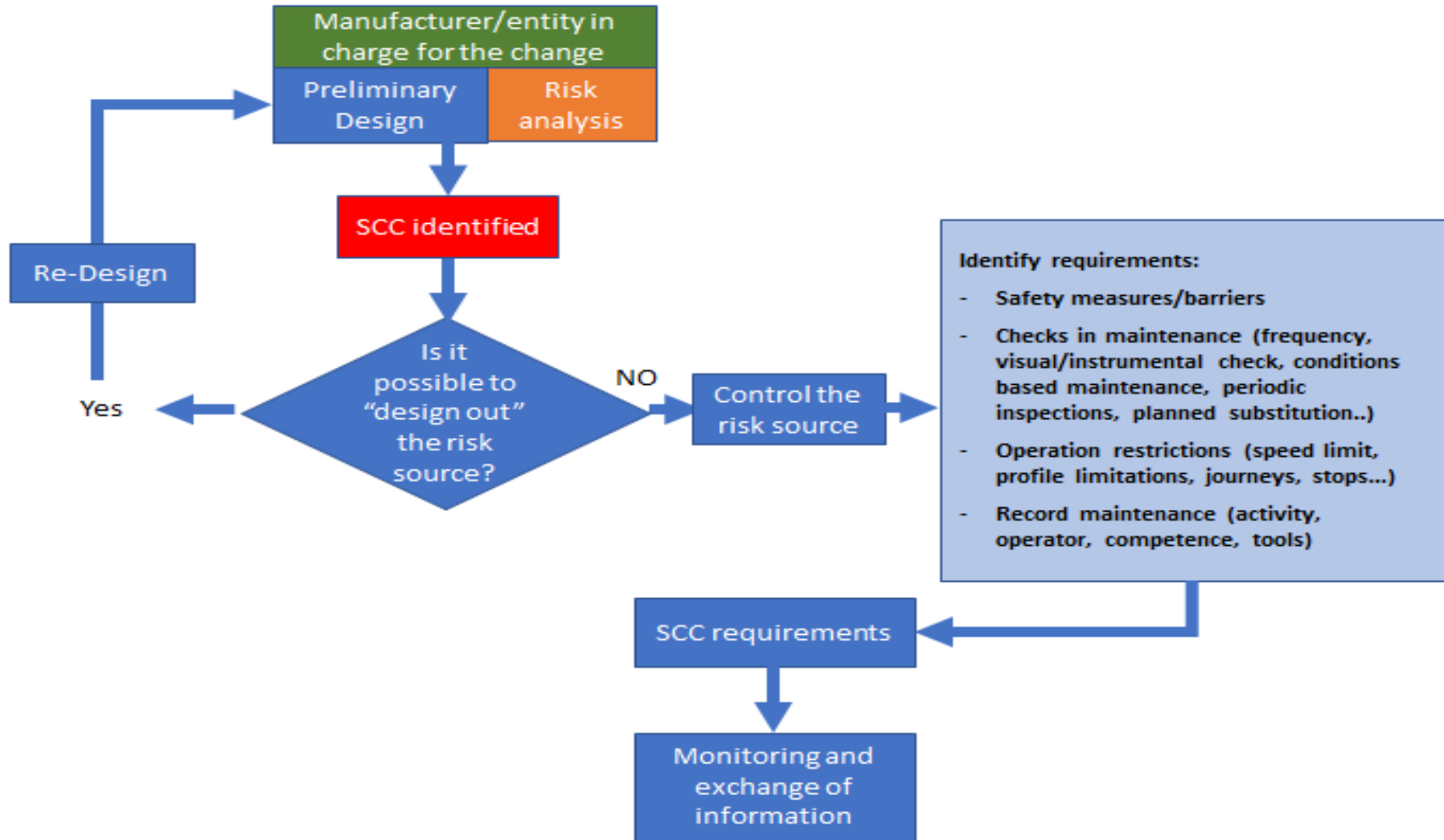


SCCs Identification process



SCCs

Management process

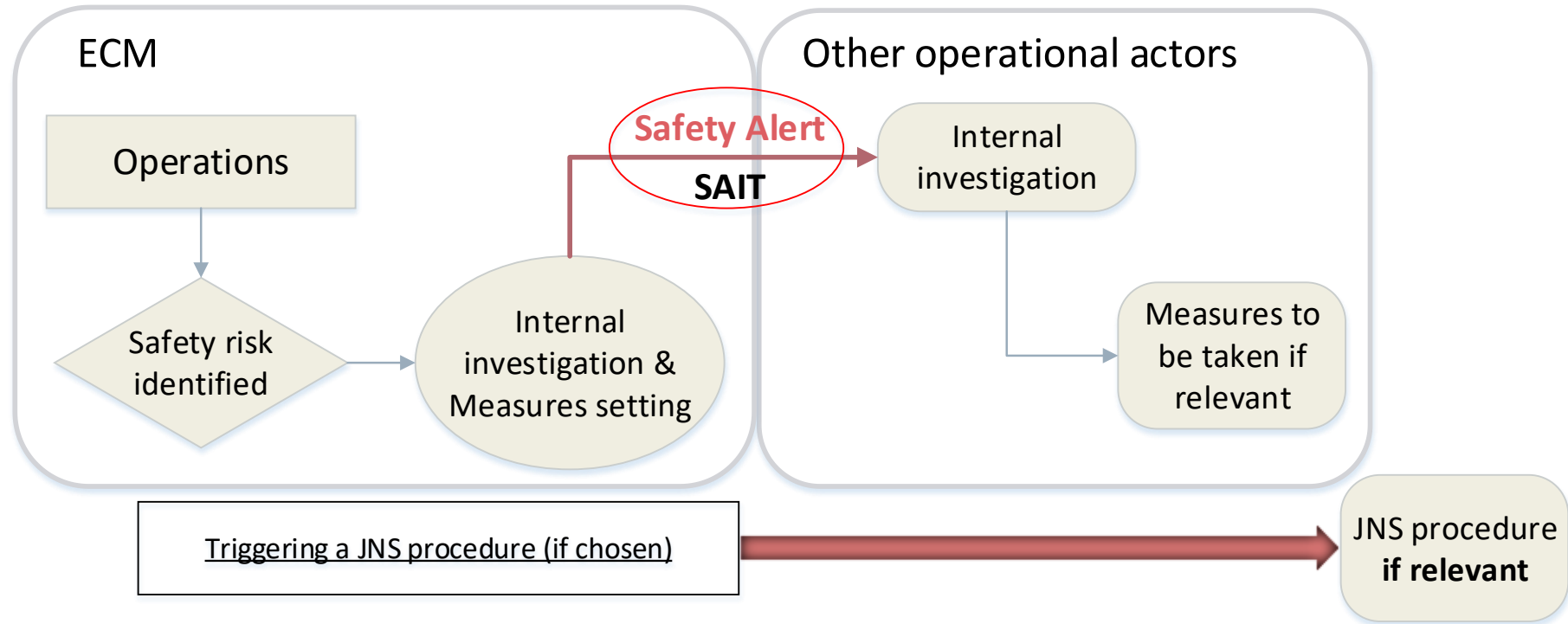


https://www.era.europa.eu/sites/default/files/activities/docs/guidance-ecm-certification-process_en.pdf



THE SAFETY ALERTS IT (SAIT) TOOL, ANOTHER WAY TO IMPROVE COMMUNICATION

SAIT Process



- Sector
- ERA
- NSA
- NIB

https://www.era.europa.eu/sites/default/files/activities/docs/guidance-entities-maintenance-sait_en.pdf

CONCLUSIONS



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