



• 3.17 Hazard

A physical situation with a potential for human injury

• 3.18 Hazard log

The document in which all safety management activities, hazards identified, decisions made and solutions adopted are recorded or referenced. Also known as a «safety log». (ENV 50129)



• 3.1.1 Accident

An unintended event or series of events that results in death, injury, loss of a system or service, or environmental damage

• 3.1.21 Hazard

A condition that could lead to an accident



• 3.1.23 Hazard log

The document in which all safety management activities, hazards identified, decisions made and solutions adopted, are recorded or referenced



• 5.3.5 Hazard log

A hazard log shall be created and maintained throughout the safety life-cycle, as explained in EN 5012. It shall include a list of identified hazards, together with associated risk classification and risk control information for each hazard. The hazard Log shall be updated if any modification or alteration is made to the system, sub-system or equipment.



- 6.3 Phase 3: Risk analysis
- 6.3.3.3

...Hazard log shall include details of:

- The aim and purpose of the hazard log
- Each hazardous event and contributing components
- Likely consequences and frequencies of the sequence of events associated with each hazard
- The risk of each hazard
- Risk tolerabillity criteria for the application
- The measures taken to reduce risks to a tolerable level, or remove, the risk for each hazardous event
- A process to review risk tolerability
- A process to review the effectiveness of risk reduction measures
- A process for management of the hazard log
- The limits of any analysis carried out
- Any assumptions made during the analysis
- Any confidence limits applying to data used within the analysis
- The methods tool and techniques used
- The personnel, and their competencies, involved in the process



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• Article 3 Definitions

16. 'hazard record' means the document in which identified hazards, their related measures, their origin and the reference to the organisation which has to manage them are recorded and referenced;



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4. HAZARD MANAGEMENT4.1. Hazard management process

### 4.1.1. Hazard record(s) shall be created or updated (where they already exist) by the

proposer **during the design** and the implementation and till the acceptance of the change or the delivery of the safety assessment report. The hazard record shall track the progress in monitoring risks associated with the identified

hazards. In accordance with point 2(g) of Annex III to Directive 2004/49/EC, **Once the system has** 

#### been accepted and is operated, the hazard record shall be further maintained by the infrastructure manager or the railway

undertaking in charge with the operation of the system under assessment as an integrated part of its safety management system.

4.1.2. The hazard record shall include all hazards, together with all related safety measures and system assumptions identified during the risk assessment process. In particular, it shall contain a clear reference to the origin and to the selected risk acceptance principles and shall clearly identify the actor(s) in charge of controlling each hazard.

4.2. Exchange of information

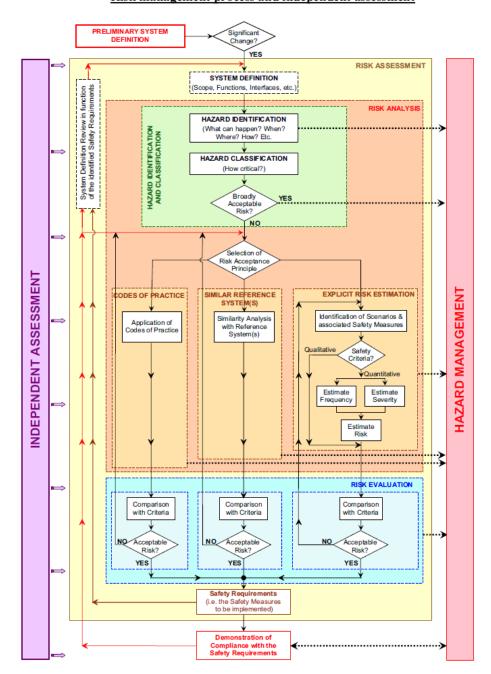
All hazards and related safety requirements which cannot be controlled by one actor alone **Shall be** 

#### communicated to another relevant actor in order to find jointly an adequate

solution. The hazards registered in the hazard record of the actor who transfers them shall only be 'controlled' when the evaluation of the risks associated with these hazards is made by the other actor and the solution is agreed by all concerned.

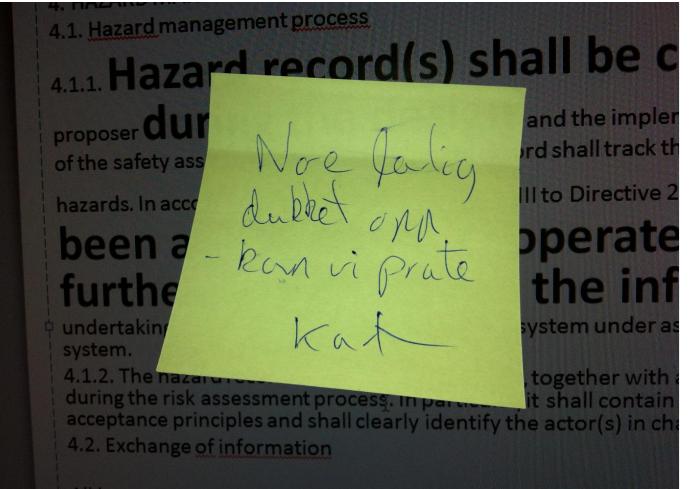
<u>Appendix</u> Risk management process and independent assessment







# God logg?



All hazards and related safety requirements which cannot be co





10.08.04 Farelogg sporsløyfe Drammen 04A 3.xls

13.09.11 Avvikslogg 04A.xls



### Grensesnitt

Hvor stod RAM?

Hva med HMS/SHA-farer?

Hva med ytre miljø?

Hvordan kommunisere?



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## Løsning...?

- Synergi...?
- Excel ark?
- Hvem eier loggen(e)?