

PROJECT PROPOSALS FOR THE 2ND CALL OF FP7

(DEC 2007 – JAN 2008)

Template for the project synopsis

1. Proposal for project name

Harmonised & Unified Rules & Criteria for Cross-acceptance (HaURuCC)

2. Problem that the project will address (why is the project being initiated?)

- Risk acceptance criteria are not harmonised
- Diverse methods for risk and safety analysis are used
- Cross-acceptance for safety certificates is difficult
- Certification processes are not harmonized

As a result a large amount of re-certification even for proven-in-use systems is necessary.

3. Scope of the project

The project will harmonise and extend risk acceptance criteria and methods for which the principles are outlined in the 1st set of ERAs CSM Recommendation in order to enable cross-acceptance of products, systems and services:

- Common criteria for broadly acceptable risks
- Detailed criteria for risk acceptance based on application of codes of practice
- Harmonised rules for safety analysis of reference systems
- Definition and justification of explicit risk acceptance criteria
- Harmonisation of methods for explicit risk analysis
- Establishment of a formalized certification basis based on the CENELEC standards
- Facilitating cross-acceptance of CENELEC and IEC standards

4. Which section of the 2nd call draft is being addressed?

Improving Safety and Security
Strengthening Competitiveness

5. State of the art: previous or on-going research or standardisation initiatives in this area

The experience in the ERA WG on Common Safety Methods (CSM) has shown that progress in this area is feasible, e. g. a common risk assessment framework has been agreed and a risk acceptance criterion for technical systems (RAC-TS) has been proposed. However much detailed work is necessary until these general provisions can be turned into harmonized procedures which enhance cross-acceptance. The experience from projects like MODTrain and ROSA will be taken into account.

6. Estimated budget (total and EC Contribution)

(Please note that under FP7 R&D activities as well as demonstration will be 50% funded)

Est. 20 persons funded over 30 months, approx. 5 M€ budget

7. Project duration (*indicative range: between 24 and 48 months*)

30 months

8. The leader of the proposal preparation

9. Main potential partners (names of companies supporting the proposal as opposed to potentially interested stakeholders)

- UNIFE partners, in particular Alstom, Ansaldo, Bombardier, Siemens
- ERA Safety Unit (advisory, without financing)

- Operators. e. g. DB AG, SBB, Jenbaneverket
- Assessment bodies, e. g. NSA or ISA
- Universities and research institutes, e. g. INRETS, SINTEF, U Braunschweig, U Bremen

10. Contributions to standards – can the results of this projects be transferred into future EN standards? *(Maximum 5 lines)*

The results can lead to greater harmonisation between IEC and CENELC standards as well as to accitional methodological standards or guidelines. This research can support the proposed restructuring of CENELEC RAMS standards (SG14).

11. Implications of the project for current individual company products and practices – is the proposal supported internally within each major partner at the strategic level? *(Maximum 5 lines)*

12. Risk factors that could jeopardize the implementation of results. How to ensure market up-take and who will have the responsibility over the implementation? *(Maximum 5 lines)*

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