



EU-Symposium “Safety of control systems for machinery”

This symposium is co-organised by CEN, CENELEC
and the European Commission-DG Enterprise and Industry.

Date: 9th September 2010, to be confirmed.

Please note that for reasons beyond our control, it will not be possible to confirm the date before the end of July, thus it is recommended to wait for that confirmation before making any travel arrangements. Final date and final agenda (with the names of the speakers) will be communicated the last week of July.

Venue: Albert Borschette Conference Centre 36 rue Froissart, B- 1040 Brussels.

- Participation is free of charge.
- The symposium will be held in English language, no simultaneous translations are foreseen.
- Due to the limited number of seats, the registration will be processed on a « **first come, first-served** » basis. Please fill in the attached registration form and send it back to mpoidevin@cencenelec.eu .

Purpose of the Symposium

Machines will be more and more equipped with modern control systems to increase their functionality and efficiency. Those systems include complex electronic components and control circuits in combination with sensors and actuators. Individually developed control systems become more and more an important marketing aspect in the competition among machine suppliers.

The introduction of those elements implies for the machine manufacturer to ensure a reliable function of the control systems in order to guarantee a stable and safe operation of the entire machine. Especially for control systems comprising integrated electronic components as well as combinations of mechanic, pneumatic, hydraulic, electric and electronic components specific knowledge is necessary to fulfil this demand.

With regard to this aspect appropriate standard(s) should give practicable orientation and assistance to the machine manufacturers. Actually more than one European (international) standard covers the functional safety aspect of machinery. Due to the particular complexity of the subject the practical application of the existing standards by the machinery manufacturers (most of them are SMEs) creates often problems and therefore specific support is needed.

Starting with an introduction of the existing standards in the field of functional safety and specific recommendations for their practical application the symposium will be in particular a forum for the dialogue between standard writers and standard users. Based on a presentation of three concrete examples for different categories of machinery, the participants of the symposium will be invited to raise principle problems identified during practical application of the relevant standard(s).

At the final podium discussion the addressed application problems will be reflected and possible solutions to overcome them should be discussed.

Participants

The subject of functional safety addresses all machine and equipment manufacturers (e. g. manufacturers of complete machinery, system integrators, retrofitters, manufacturers of safety components), machine users as well as related representatives from Member States, Health and Safety institutions and Notified Bodies.

The horizontal standards (type B) of functional safety will have influence to most of the machine specific standards (type C). Therefore all interested members of the technical committees of the CEN sector Machinery Safety as well as representatives from relevant CENELEC/TCs are welcomed to attend the symposium.

Considering the particular purpose of the symposium participants should have a certain basic knowledge regarding the practical application of one or more of the relevant standards.

Provisional Agenda

From 9:15	Registration of participants
10:00 - 10:15	Opening, introduction
10:15 - 11:00	EN 62061 and recommendations for the practical use*) (Referee from IEC TC44/CENELEC TC44x)
11:00 - 11:45	EN 954-1/EN ISO 13849-1 and recommendations for the practical use*) (Referee from ISO TC199/CEN TC 114)
11:45 - 12:15	Discussion and coffee break
12:15 - 12:45	Practical application of relevant standards by the French mechanical industry*) (Referee from industry)
12:45 - 13:00	Discussion
13:00 - 14:00	Lunch
14:00 - 14:30	Practical application of relevant standards for processing machinery*) (Referee from industry)
14:30 - 14:45	Discussion
14:45 - 15:15	Practical application of relevant standards for mobile machines*) (Referee from industry)
15:15 - 15:45	Discussion and coffee break
15:45 - 16:15	Podium discussion Existing problems and possible solutions (Referees: Chairman ISO/TC199 and CEN/TC 114, Rapporteur CEN Sector Safety of Machinery)
16:15 - 16:30	Conclusions, outlook

*) provisional title