



FEM Congress

18-20 Sept. 2008, Cannes - France



Technical Workshop

“FEM Recommendations”

or

**Role of FEM for European Manufacturer strategy
in the (standardized) global market**

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... Back to basics ...

FEM General Objectives (<http://www.fem-eur.com/>)

- encouraging technical progress, safety at work, sustainable development and energy efficiency in the field of material handling
- proactively developing technical standards at international and European levels
- providing implementation guidance on European directives applicable to its industry
- safeguarding the interests of the industry, particularly competitiveness and innovation
- communicating with European institutions and stakeholders and advising them on material handling questions
- promoting and encouraging cooperation among the manufacturers of material handling equipment in Europe and worldwide



... Overview of FEM role during ages ...

“Facilitator” for circulation of safe material handling equipments

1953 ...

- 6 countries members
- create common technical language & design basics rules

... yesterday ...

- European general recognition of FEM recommendation
- extend to common position on safety requirements for material equipment

... today ...

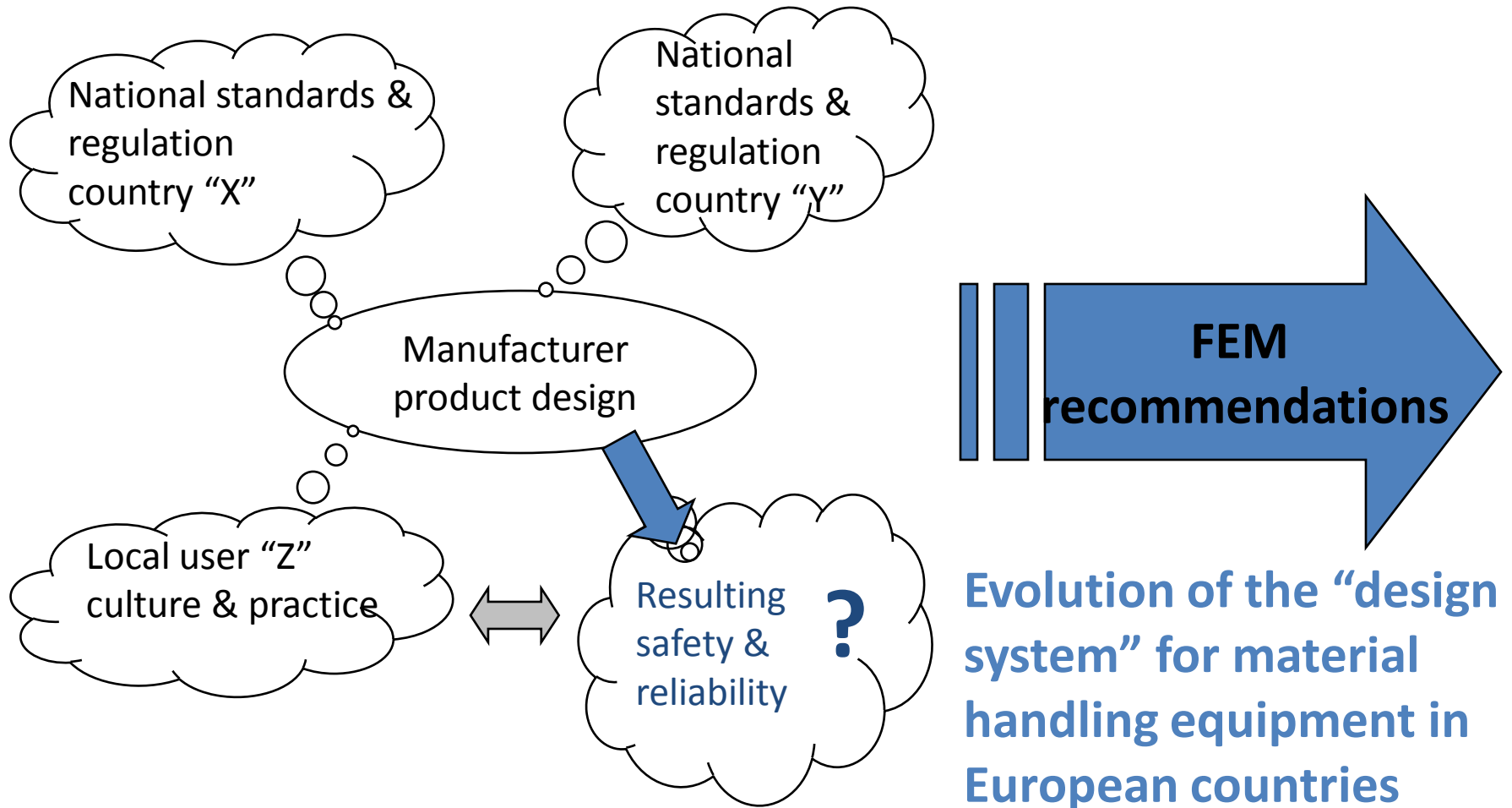
- 13 countries members
- implement FEM recommendations in EN / ISO standards
- more customer oriented

... and tomorrow ?



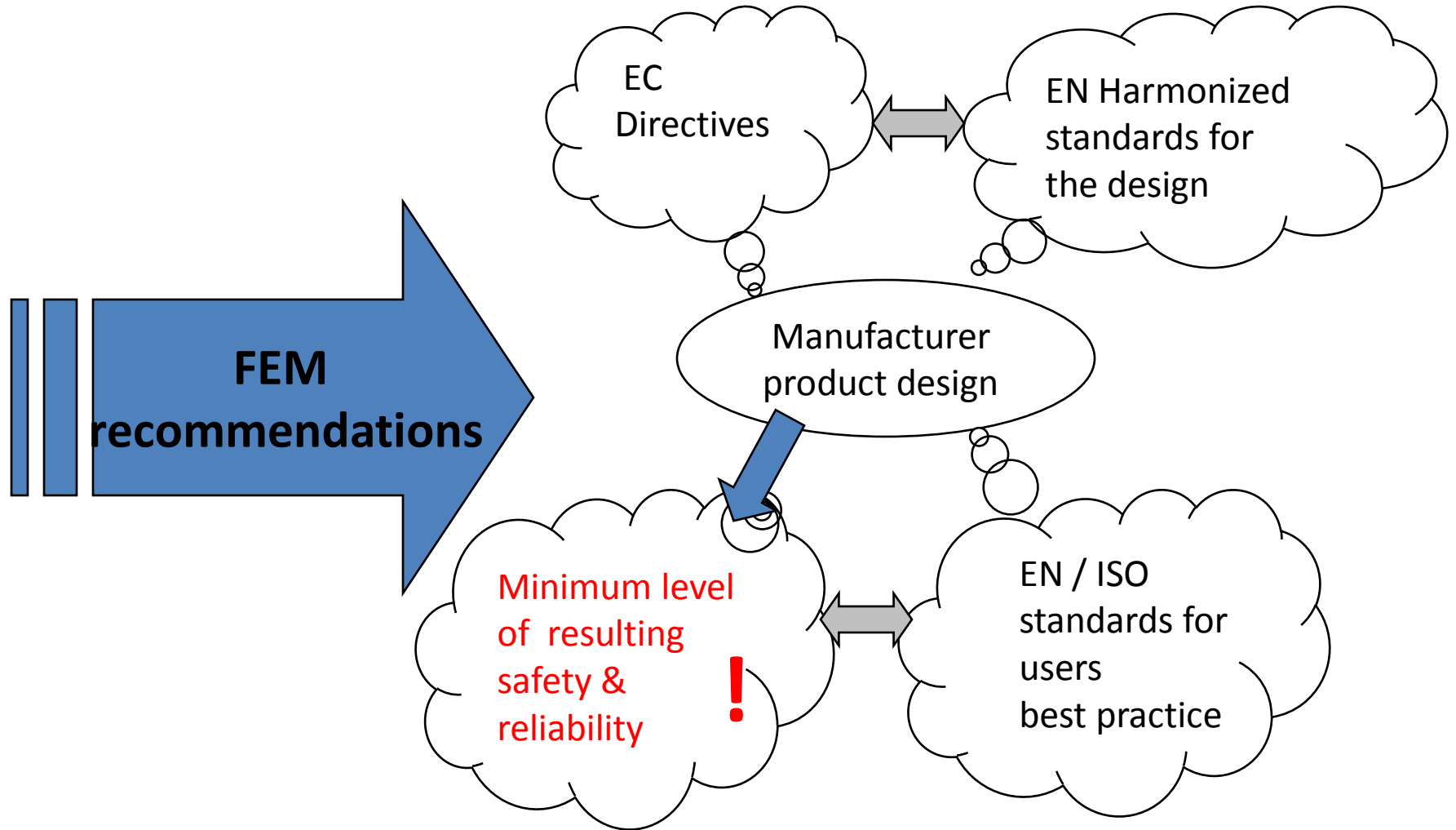


... FEM recommendations vs. norms ...





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... FEM recommendations vs. norms ...

FEM recommendations are for many years recognized as a competitive and safe state of the art for manufacturers & their customers in Europe

Through active FEM working groups, FEM recommendations historically contributed as a basis for many ISO & EN standards in the following fields :

- Terminology
- Design general principles
- Calculation design principles (strength & stability)
- Safety requirements & equipments
- Test procedures



... FEM recommendations vs. norms ...

The FEM work trend is now to focus on user side too in order to maintain a safe use of the product :

- Guidance for maintenance
- Recommendation for periodic inspection
- Started discussion on monitoring
- Promote training for actors (drivers, inspectors, ...)
- ...



... FEM recommendations vs. norms ...

Some recent examples of FEM recommendations contribution to European / international standards

- “FEM 1.001 Rules for the design of hoisting appliances” & “FEM1.005 Recommendation for the calculation of tower cranes in out of service conditions” are the reference standards for design rules in “EN14439 Tower cranes – Safety “ (2007- CEN product standard for tower cranes)
- “FEM 1.007 Recommendation to maintain tower cranes in safe conditions” & “FEM4.004 Periodic inspection of industrial Trucks” directly addressed to the end users
- Many others FEM technical documents are used as technical bases or draft for EN or ISO standards : more recent example “FEM 10.2.08 Design Considerations for Racking under Seismic Conditions” is proposed as a draft to CEN/TC344 Committee



... New challenges for our industry ...

European Material handling equipment industry has to face to new challenges in the even more quick changing world :

- an even more complex European directives collection
... that required continuous improvement of new standards system and according design
- and simultaneously an even more worldwide aggressive competition outside and inside Europe
... that required to keep competitive design

Through the FEM product group professional organization, European manufacturers dispose of a real opportunity, that permit to decide and define common position for each product group, to defend and promote their position in the market ...



... What future for FEM recommendations ...

FEM to help raising & keeping European industry in the top of the global market , by adopting and defend common position on key competitive matters ...

- continue the permanent and active technical work for harmonization of standards & regulations through working group sections, not only at European level (CEN), but promote it at international level (ISO), to push for a “Single Market”
- trough exchange between European manufacturers experts in product groups, identify the new trends and necessary features in early stage in order to propose appropriate answer (design principle improvement, safety equipment,...)
- develop common FEM position / interpretation related to new requirements of European regulation system (Directives)
- continuous improvement of FEM lobbying actions (communication with regulation bodies and users representatives, participation & presentation in exhibition events, ...) in order to promote appropriate environmental and safety policy for our industry and products



... What future for FEM recommendations ...

Some examples of these recent FEM contributions

- FEM task force for analyzing and comment the evolution of the Outdoor Noise Directive, 2000/14/EC amended by 2005/88/EC, resulting in new delay for applying “stage II limits” to mobile cranes.
- FEM task force for analyzing the new Machinery Directive 2006/42/CE and participate to the guideline application document.
- FEM position paper about Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE) and Directive 2002/95/EC on the Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS), resulting in excluding the equipment produced by the manufacturers represented in FEM.
- FEM participation at CeMAT 2005 Hannover exhibition, Manutention 2006 Paris exhibition, leading to contacts with extra-Europe countries associations (China, Argentina, ...)
- ...



... Conclusion ...

FEM organization played a great role

- to bring the European Material handling equipment industry to a competitive level (in reliable and safe terms) in Europe
- and is recognized as a major contributor to the European harmonized market (mainly through the technical publications).

With the globalization of the market, FEM already started to be a recognized “NAME” outside Europe

- through the international circulation of the products
- and the active participation of FEM Members in international standard organizations.

.../...



... and perspectives ...

The challenge for the next future of FEM efficiency probably deals with reinforcing his position in a global market, as a contributor for protecting & developing European manufacturer interest in this global changing environment.



... Perspectives ...

Some guidelines...

- continue to promote “FEM manufacturers common position” as a worldwide standard (through publications as recommendations, position papers, and active participation to the international standard organization)
- to be closed to the European & international regulation and market trend evolutions, through the links with representatives of national organizations / associations, market statistics survey,...
- to develop active lobbying communication & action inside Europe (with national regulation bodies & European commissions, communication at exhibitions...) AND with a special focus outside Europe (new emergent countries manufacturers & market)



... Many thanks for your attention ...