

**IACS**

*TANKER Operator Conference*

London, 2-3 February 2004

**STANDARDS FOR NEW VESSELS**

*IACS Standards  
for Double Hull Tankers*

**Ugo Salemo**


Chief Executive Officer RINA S.p.A.

Chairman of the International Association of Classification Societies

SAFER  
SHIPPING

**IACS**

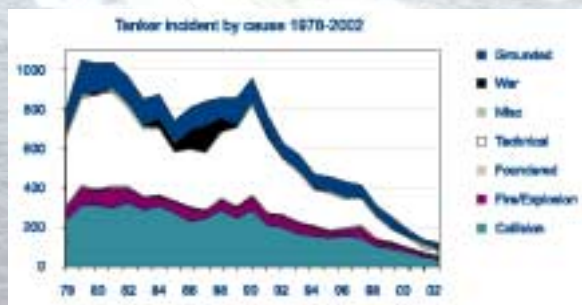
*PRESENTATION FOCUS*

- 
- Who sets the rules for new buildings
  - Which is the relation between goal-based standards and common rules

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**Improving quality and safety**

➤ A continuous positive trend of the tanker sector



**OIL TANKERS**

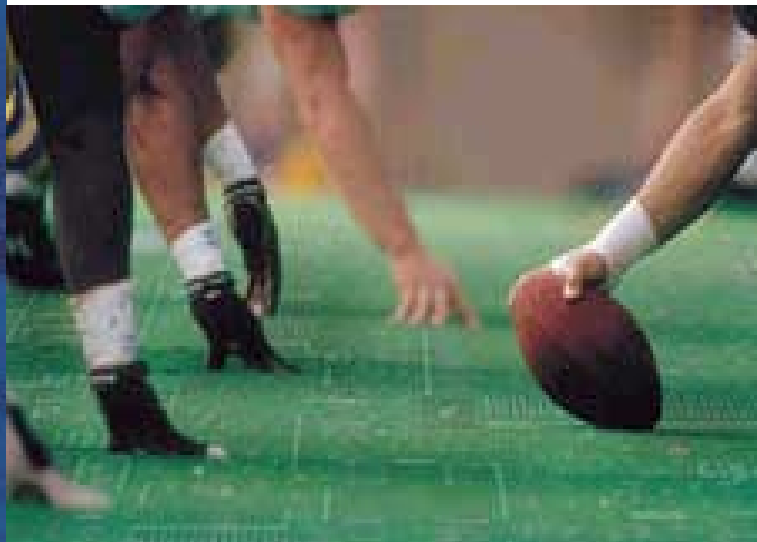
- More robust
- Fit for purpose
- More friendly for inspection and maintenance

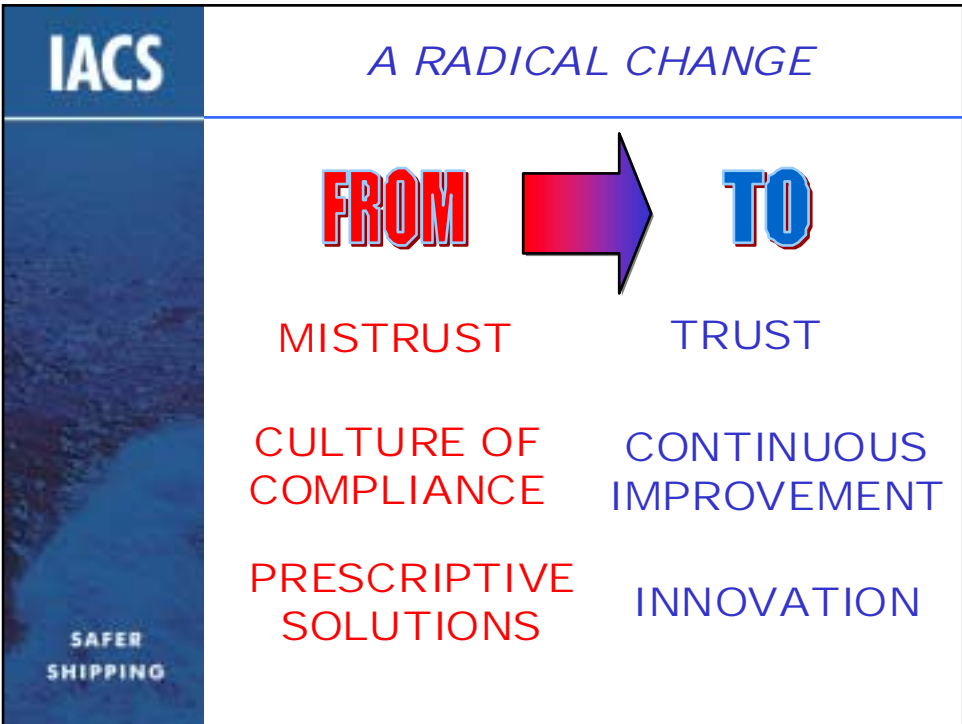
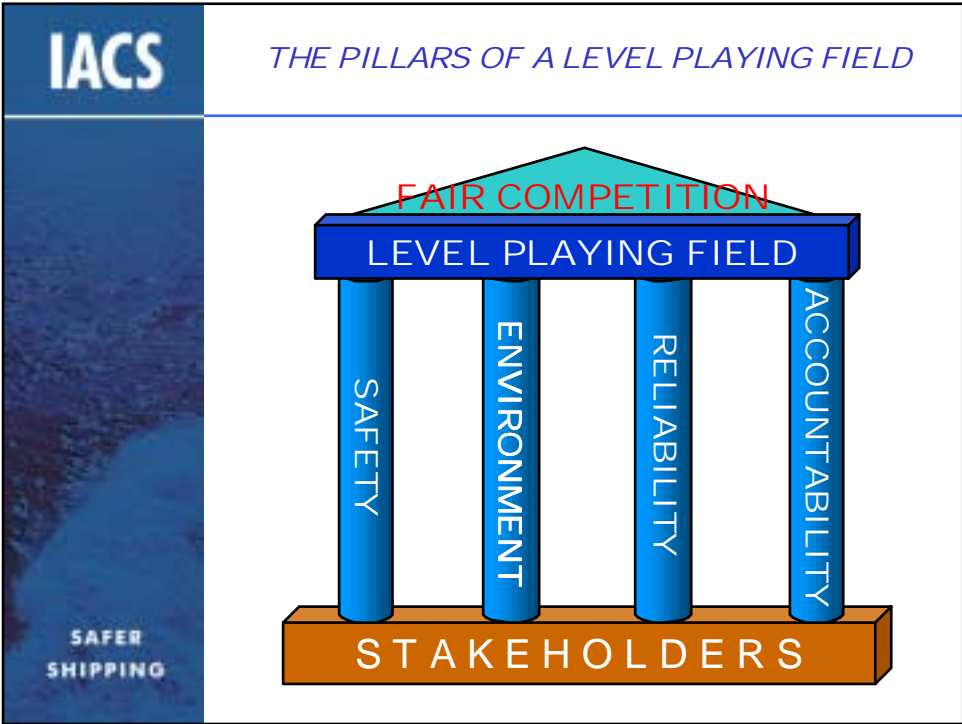


- Total amount of steel
- Design and construction details
- Steel preparation
- Coating



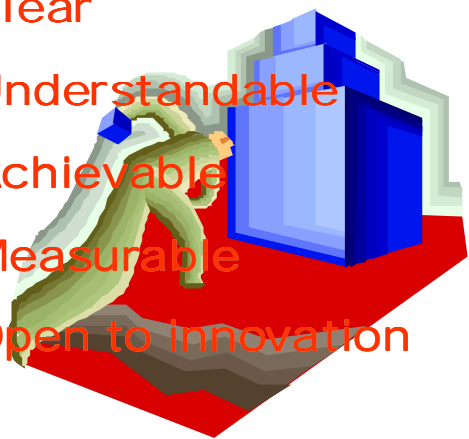
**The additional costs will not affect the industry if equally and consistently applied**





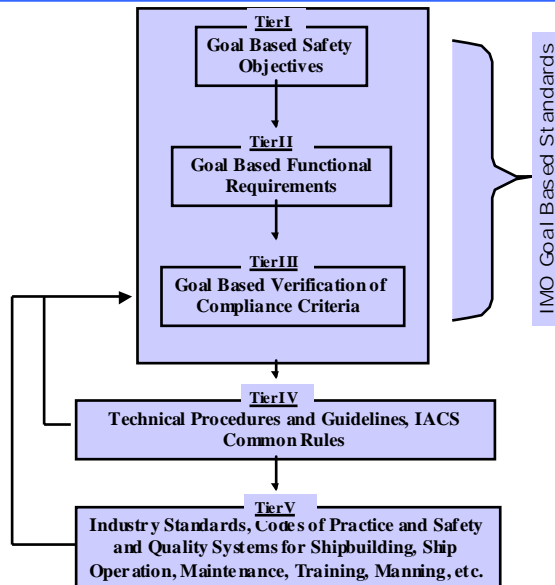
GOAL BASED STANDARDS

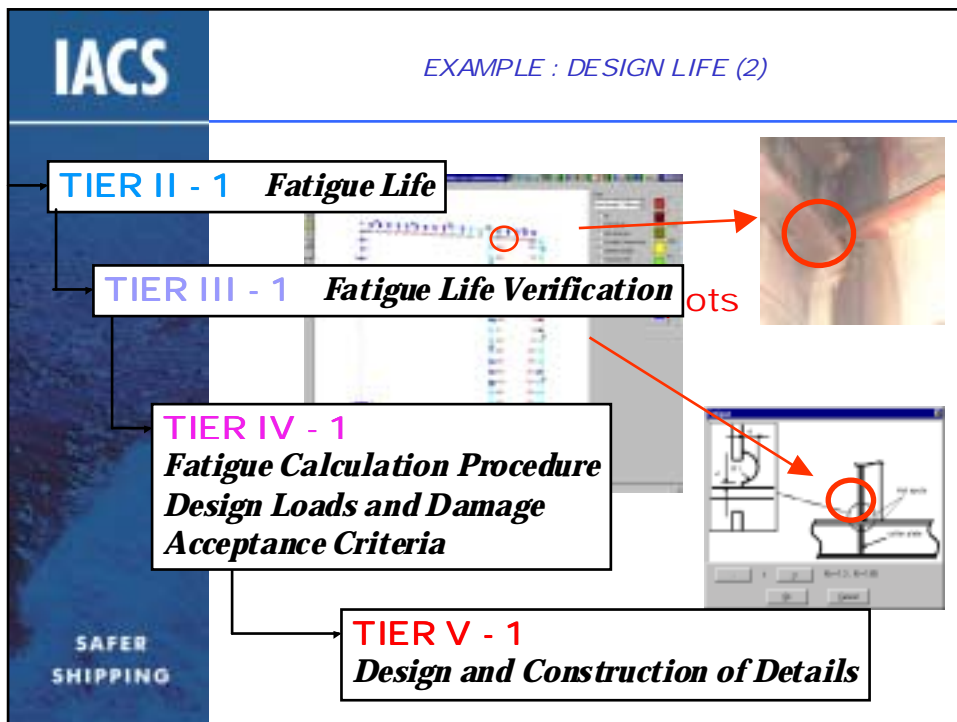
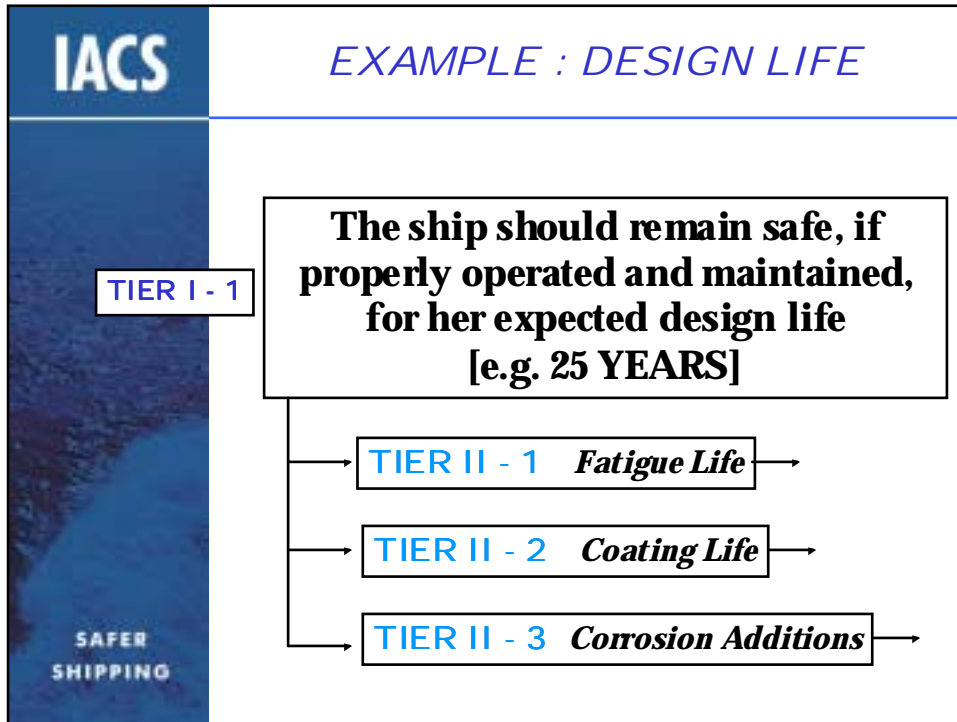
- Clear
- Understandable
- Achievable
- Measurable
- Open to Innovation

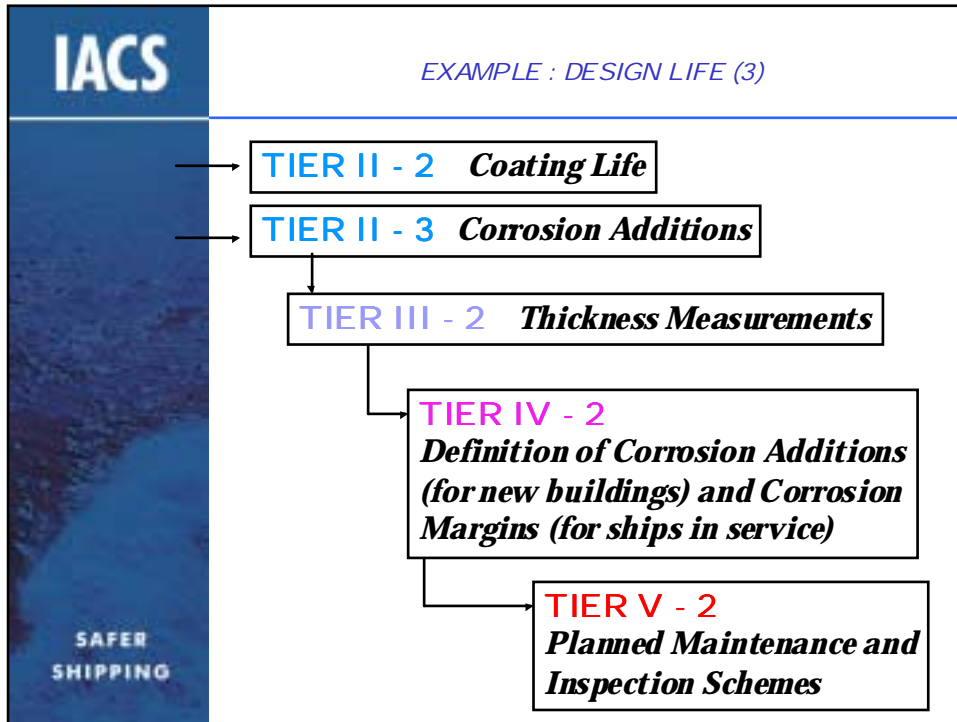


**goal n.** (fig.) : the final purpose or aim; the end to which a design tends, or which a person aims to reach or attain (Webster's)

REGULATORY FRAMEWORK







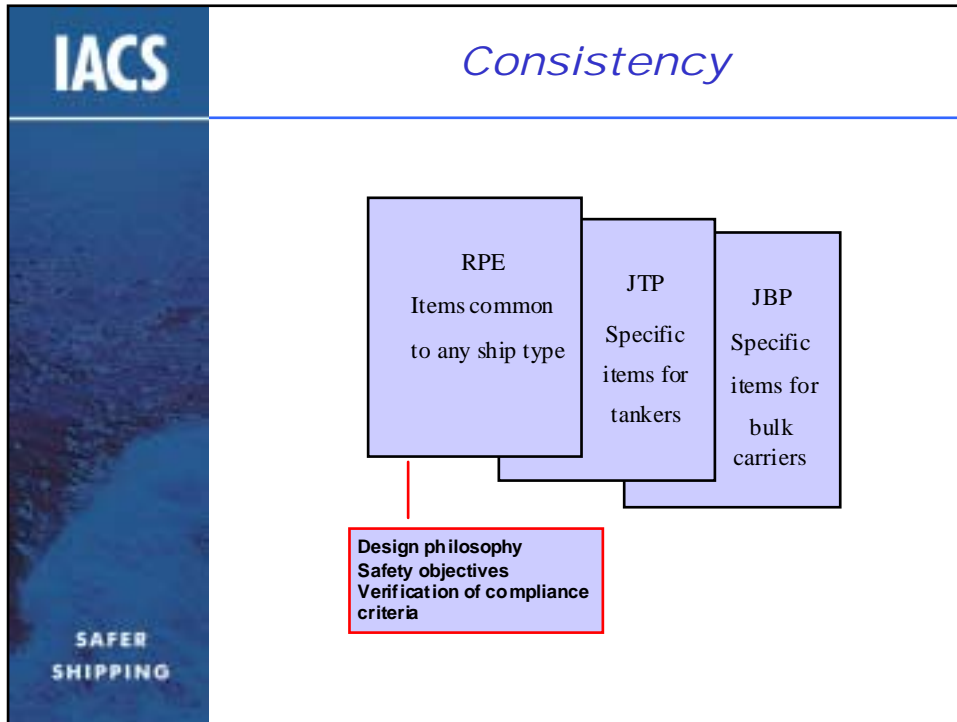
**IACS** **IACS** *COMMON RULES*

*INTERNATIONAL ASSOCIATION OF CLASSIFICATION SOCIETIES*

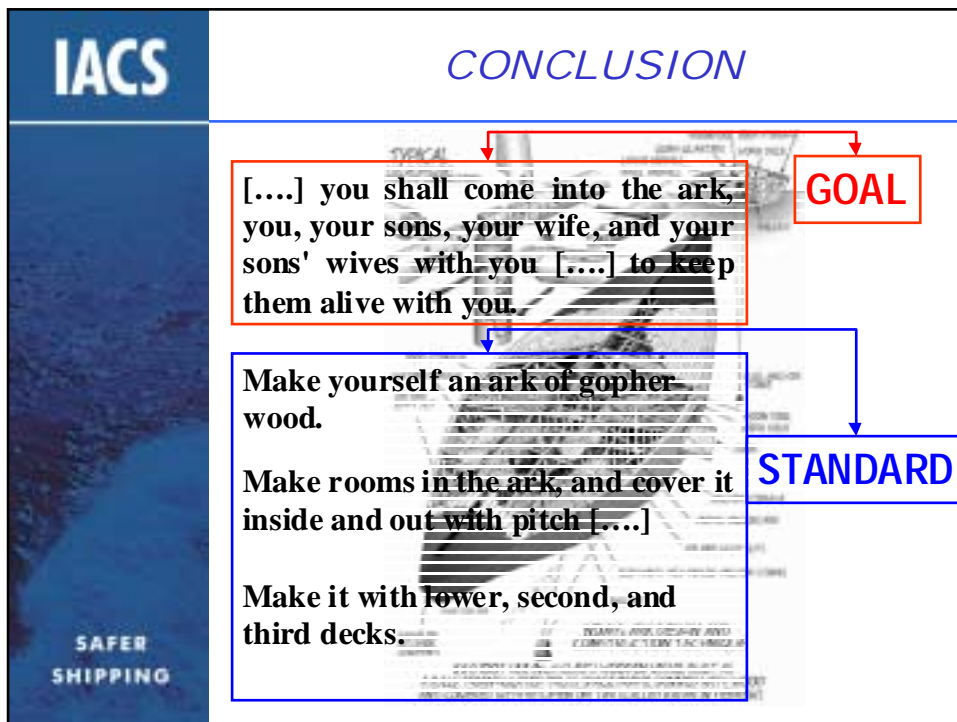
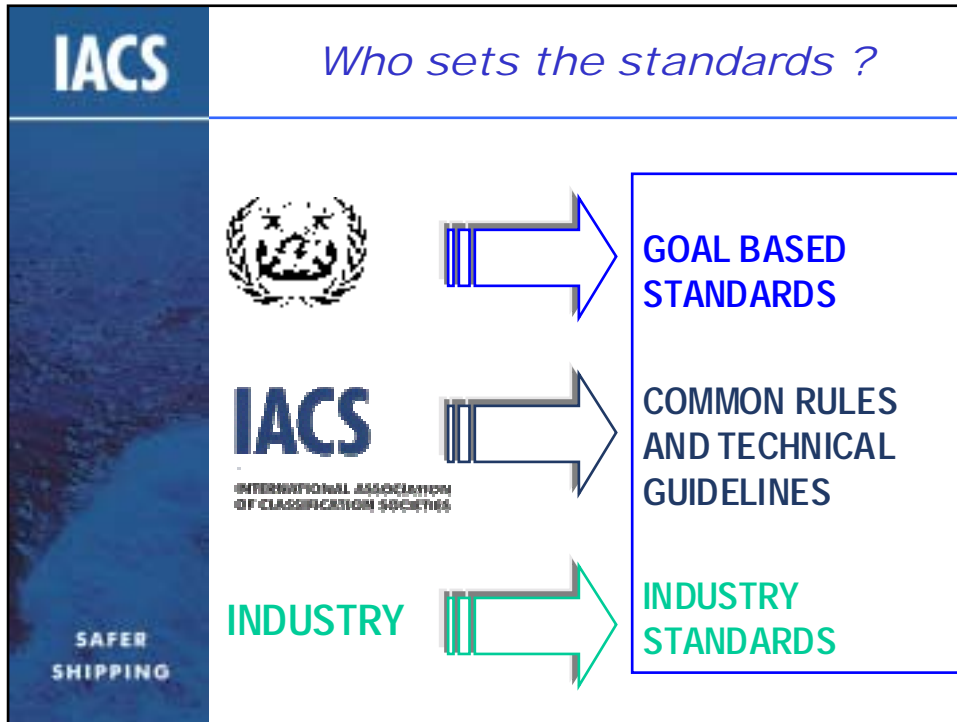
**OBJECTIVES**

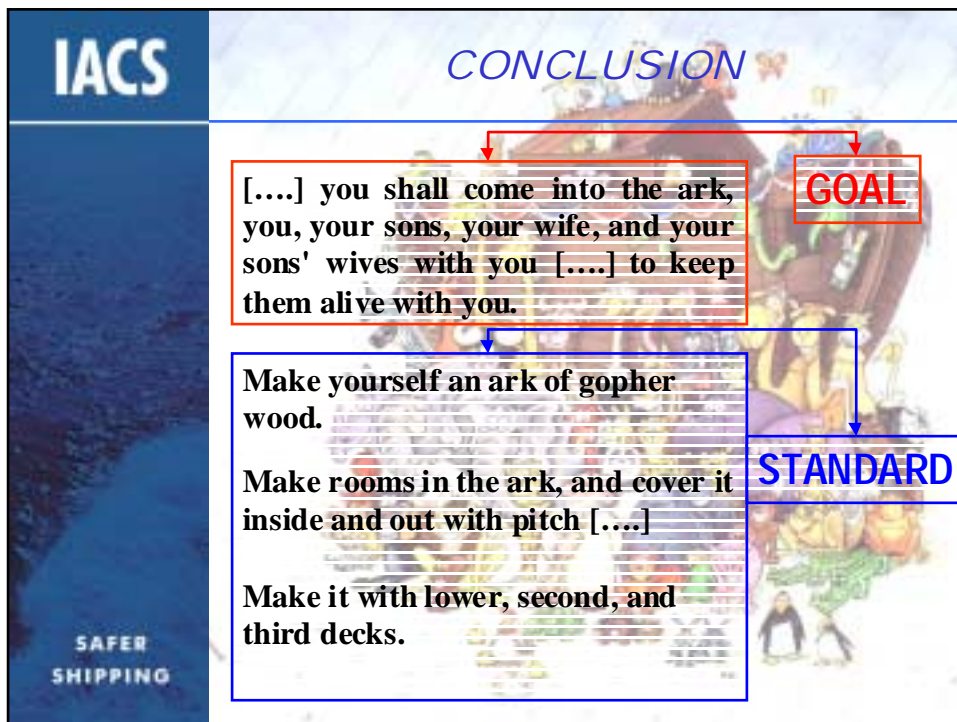
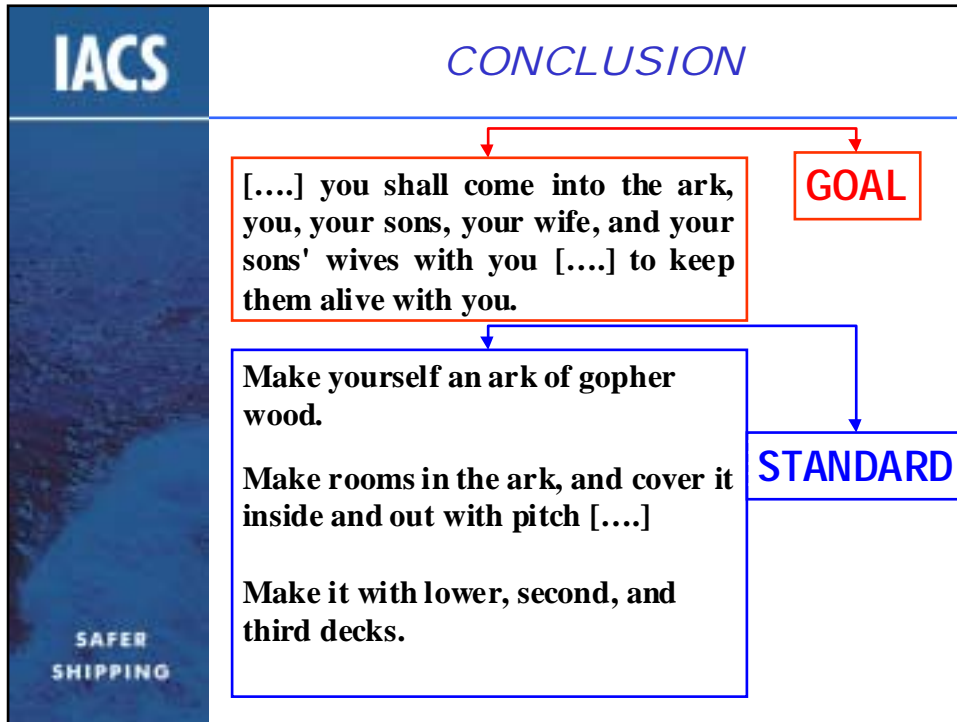
- Meet IMO Goal Based Standards
- Create a level playing field: no competition on scantlings
- Benefit from the experience of all Members of IACS

SAFER SHIPPING



- IACS** *Completeness*
- General Principles
  - General Arrangement Design
  - Structural Design Principles
  - Design Loads
  - Strength
    - Hull Girder
    - Local (buckling, fatigue)
    - Global (FEM analysis)
    - Ultimate Strength
  - Hull Outfitting
  - Construction and Testing
- SAFER SHIPPING**





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