















## Target reliabilities indicated in ISO 13822

Limit states	Target reliability index, $\beta$	Reference period
Serviceability		
Reversible	0,0	Intended remaining working life
Irreversible	1,5	Intended remaining working life
Fatigue		
inspectable	2,3	Intended remaining working life
not inspectable	3,1	Intended remaining working life
Ultimate		
very low consequences of failure	2,3	L <sub>s</sub> years*
low consequence of failure	3,1	L <sub>s</sub> years*
medium consequence of failure	3,8	L <sub>s</sub> years*
high concequence of failure	4.3	L <sub>s</sub> years*











## The final report

The final report on structural assessment and possible interim reports (if required) should

- be concise and clear and should include
- clear conclusions with regard to the objective of the assessment
- based on careful reliability assessment and cost of repair or upgrading.

A recommended report format is indicated in Annex G to ISO/CD 13822 [2].











## Definition of the project Existing structures Material independent document, linked to 1990

## Foreseen main chapters

- Terms and definitions (additional terms to EN 1990)
- General framework (assessment procedures)
- Data for assessment (actions, materials, dimensions)
- Structural analysis (models, uncertainties, deterioration)
- Reliability verification (limit states, target reliabiloities)
- Assessment based on satisfactory past performance
- Interventions (alternative approaches)
- Report (inspection and maintenance)
- Annexes (updating, time dependence, target reliability, ...)

