

NORSOK Y-002

Life extension for transportation
systems



NORSOK Y-002 updates

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- The preparation and publication of the NORSOK standards is supported by **Norwegian Oil and Gas Association (Norsk Olje og Gass)**,
- **Federation of Norwegian Industries** and the
- **Shipowners' association**.





NORSOK Y-002

First and current revision in 2010

Prepared by NOG as a response to PSA to align the life extension process for application to extend operation

Work group was established by NOG to assure that life extension considerations was properly addressed as part of life extension

Life extension for transportation systems

This NORSOK standard is developed with broad petroleum industry participation by interested parties in the Norwegian petroleum industry and is owned by the Norwegian petroleum industry represented by The Norwegian Oil Industry Association (OLF) and The Federation of Norwegian Industry. Please note that whilst every effort has been made to ensure the accuracy of this NORSOK standard, neither OLF nor The Federation of Norwegian Industry or any of their members will assume liability for any use thereof. Standards Norway is responsible for the administration and publication of this NORSOK standard.

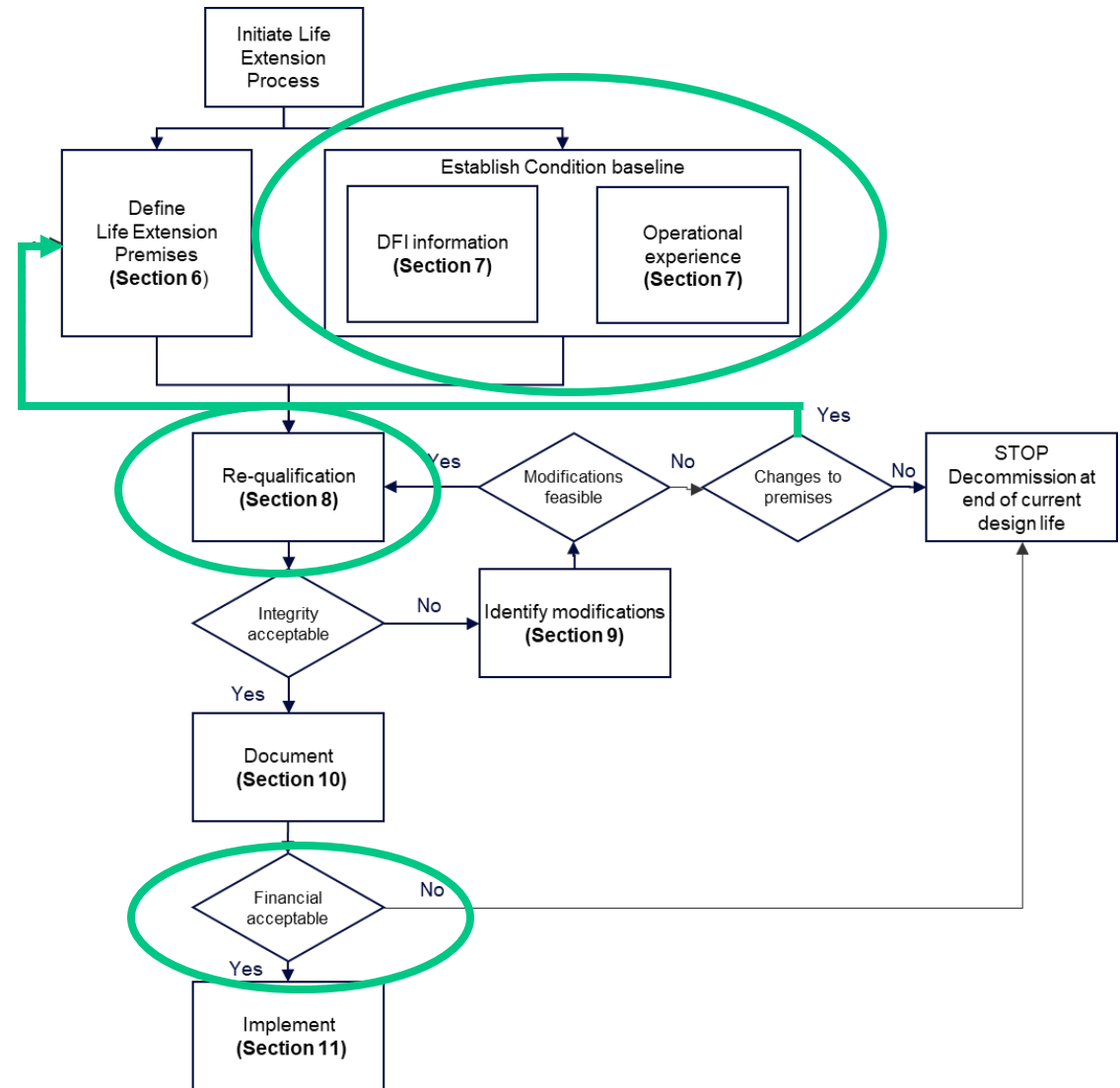
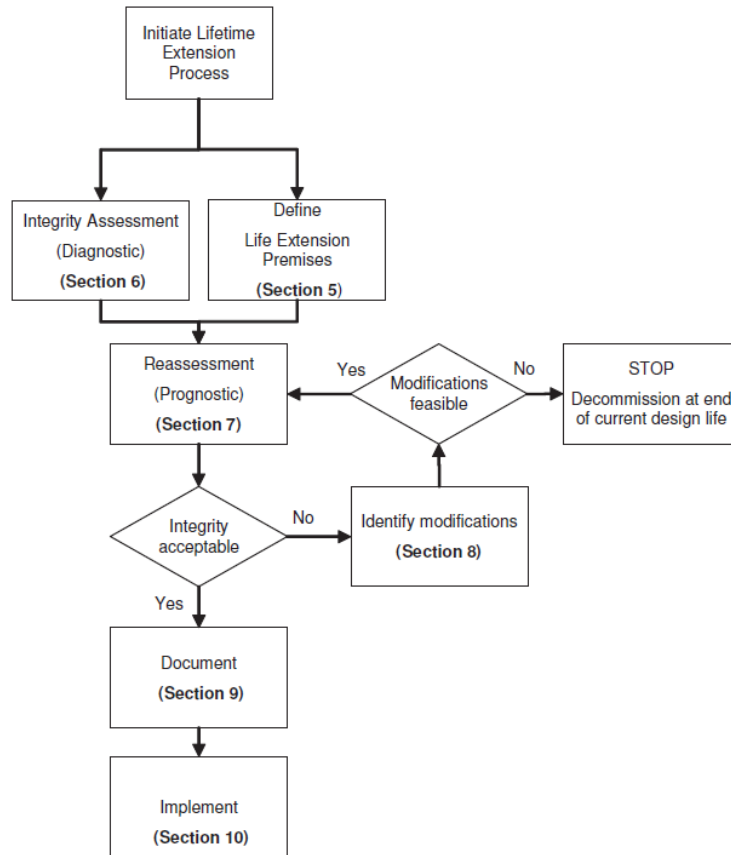
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What will be new





Updates of life extension standards and guidelines relevant for transportation system

2010 edition

OLF Process,	Topside process and utility systems(Check list developed by OLF) (Check list developed by OLF)
OLF HSE,	Risk management, technical safety systems and working environment (Check list developed by OLF)
OLF Drilling,	Drilling and well systems (Check list developed by OLF "Drilling Managers Forum")
OLF Subsea,	Subsea systems (Under development)

NORSOK N-006, Assessment of structural integrity for existing offshore load bearing structures

2020 updates

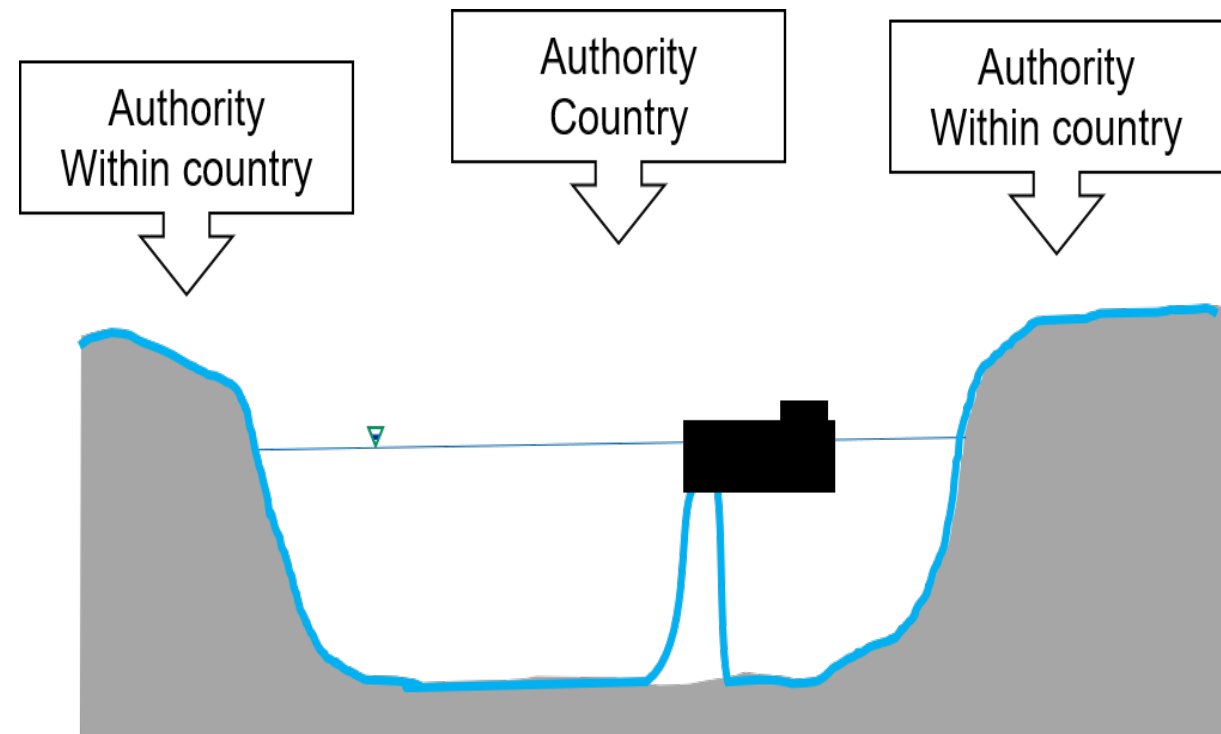
NOG Guideline 122,	No specific standard or recommended practice referenced except guideline 122
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NORSOK D-001, Drilling facilities NORSOK D-010, Well integrity in drilling and well operations	
NORSOK U-009, Life extension for subsea systems	

NORSOK N-006 continues as a standard to support in-service and life extension for offshore structures



Informative references of new - Primarily for unbonded flexible pipes

API Standard 2RD	Dynamic Risers for Floating Production Systems
DNVGL-ST-F201,	Riser systems
Energy Institute	Guidelines for the management of flexible hose assemblies
Sureflex JIP	Flexible Pipe Integrity Management Guidance & Good Practice
IOGP 623	Lifetime Extension of Flexible Pipe Systems; 2019
Sintef Ocean OC2017 A-001	Handbook on design and Operation of Flexible Pipes - Sintef Ocean/ 4Subsea
Energy Institute,	Life Extension of Unbonded Flexible Pipe Systems (Risers and Pipelines)
SoA Bonded Pipes	State of the art Bonded Flexible Pipes - PSA/ 4Subsea



Authority regulations

The standard do not specify the regulatory regime for life extension.

Only principles that requirements by authority regulations need to be fulfilled.

The standard also points out that pipeline systems may be subject to more than a single country and authority.



For utfyllende informasjon om 2020 revisjonen av
NORSOK Y-002 Life extension for transportation systems

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