



4

Document structure and main changes from last revision

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Equinor

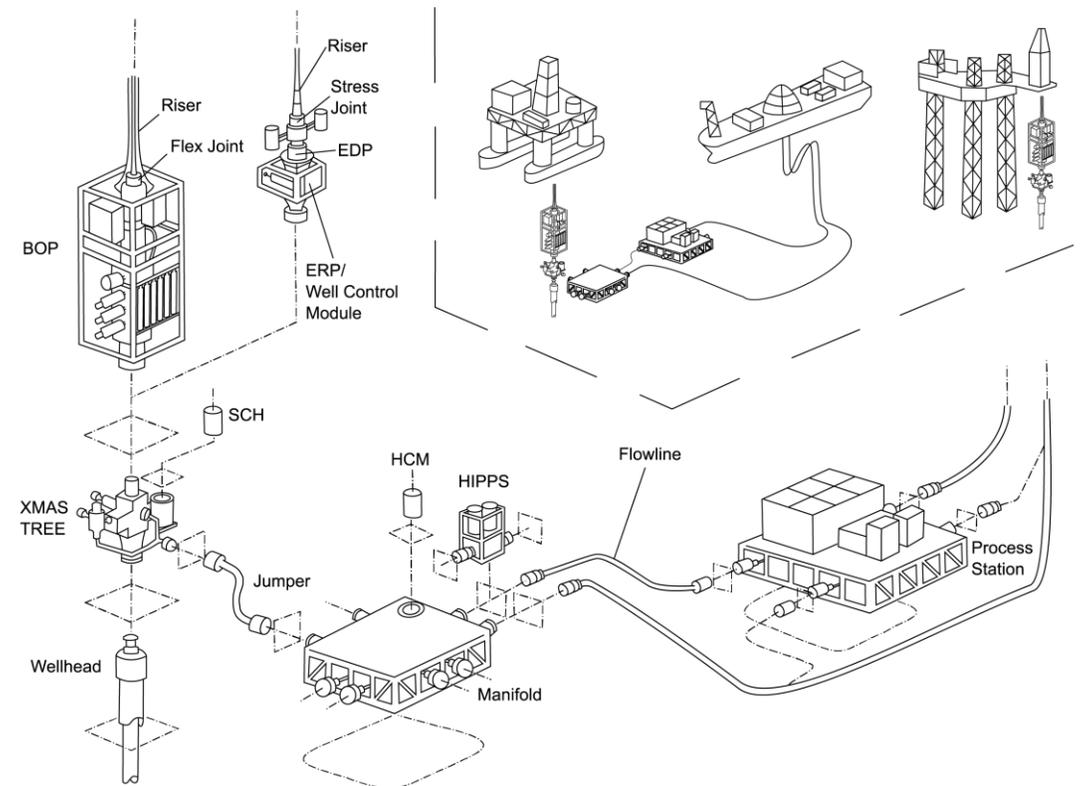


NORSOK U-001 new/updated material:

NORSOK U-001	ISO 13628 / API 17
5. General requirements	
6. System Engineering	ISO 13628 Part 1
7. System interfaces	
8. Subsea wellhead and subsea tree equipment	ISO 13628 Part 4
9. Subsea umbilicals	API 17E*
10. Subsea production control systems	API 17F*
11. Completion and workover riser systems	ISO 13628 Part 7
12. Remotely operated vehicle interface on subsea production systems	ISO 13628 Part 8
13. Subsea structures and manifolds	ISO 13628 Part 15

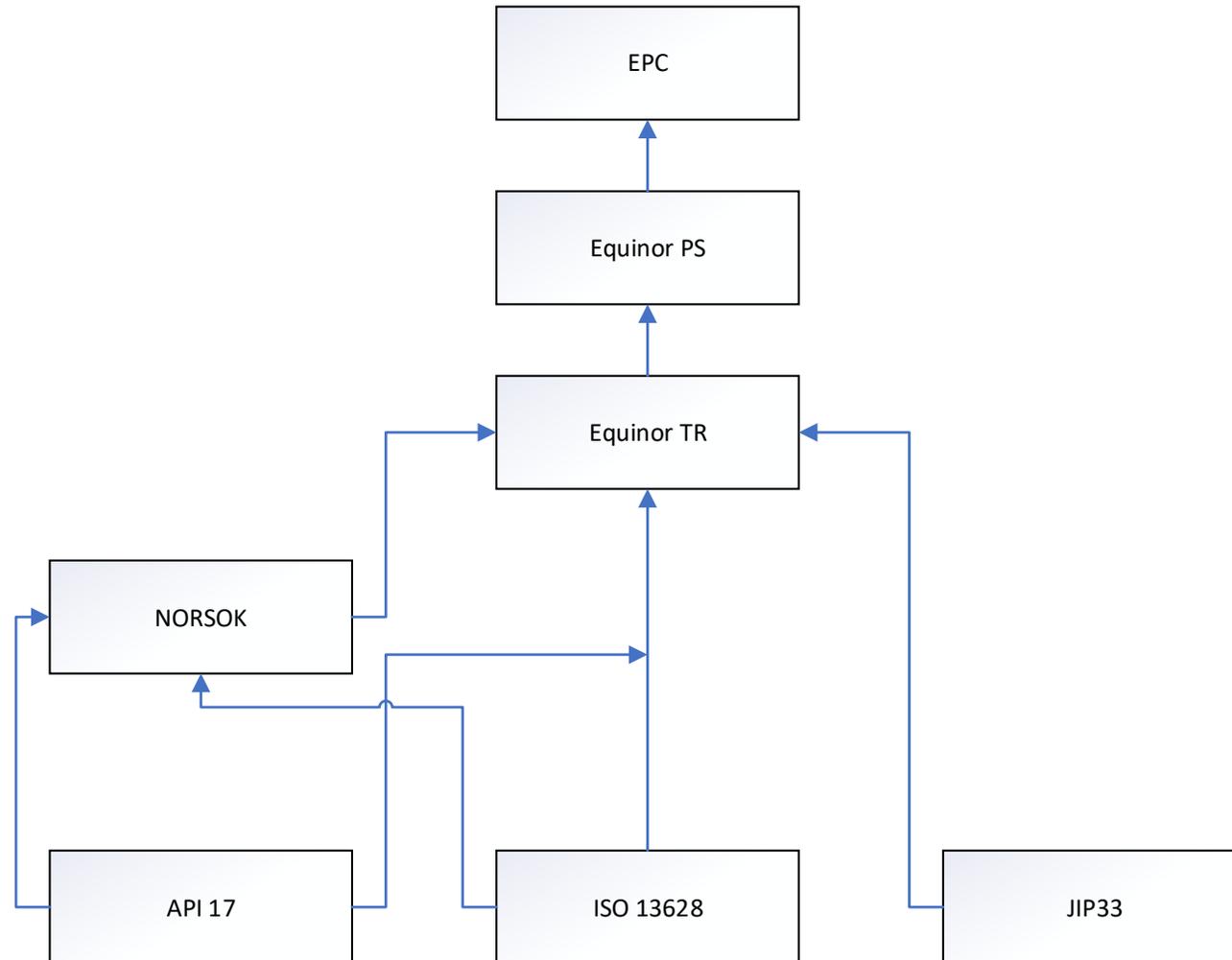
NORSOK U-001 new material - annexes:

- A: Template in-place design loads and marine riser drilling load (Normative)
- B: Structural design, materials, fabrication and testing of subsea wellhead, tree equipment and completion/workover riser systems (Normative)
- C: Bolted flanged connections
- D: Materials and fabrications requirements (Normative)
- E: Geotechnical aspects
- F: Flow induced vibrations
- G: System design documents
- H: Interface management
- I: Fishing gear types
- J: Wellhead configurations and loads
- K: Recommendations for future control system





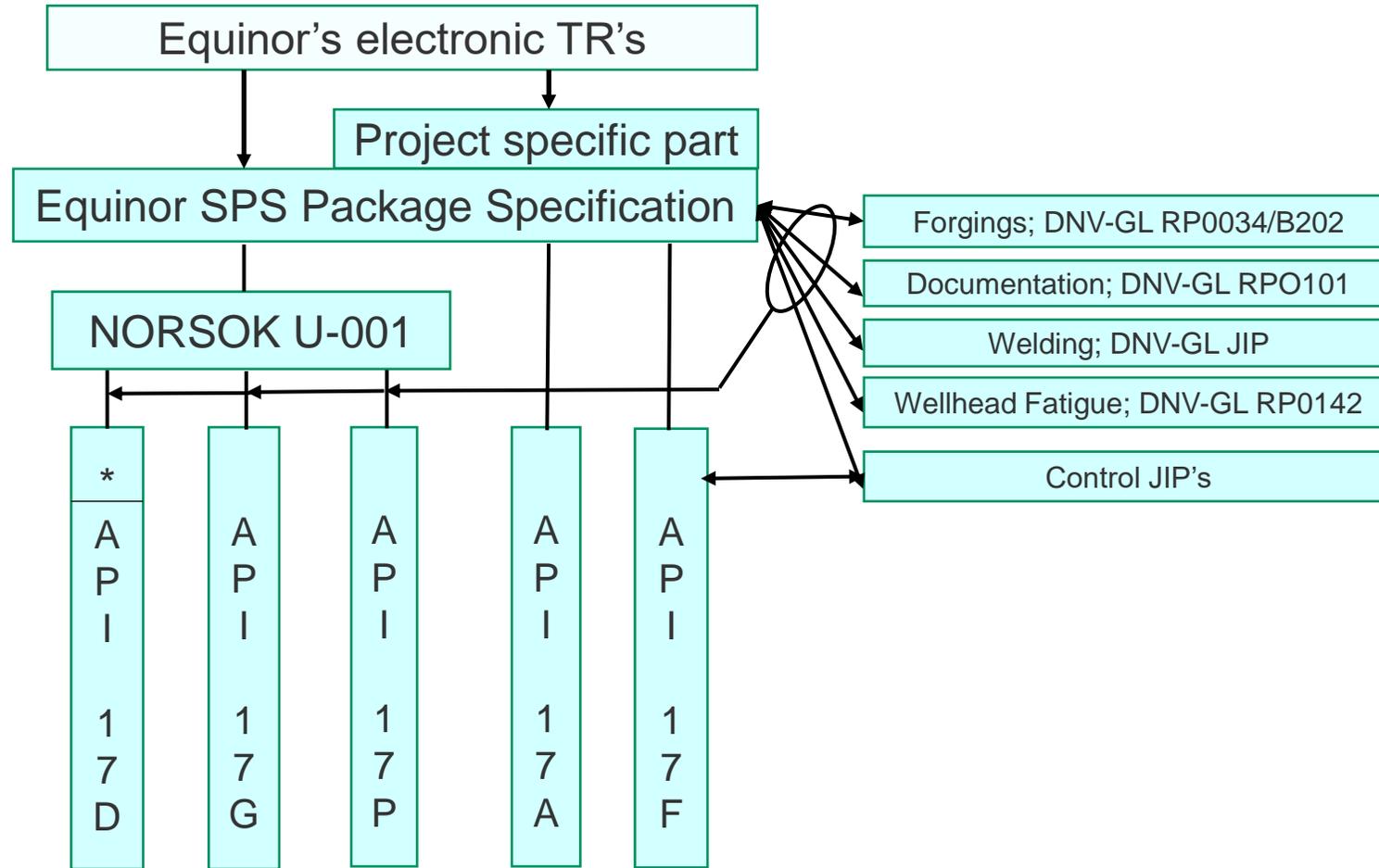
Use in Equinor EPC contracts - example





SPS standards structure/strategy

Package specification – NOROG – API / (ISO)



* IOGP JIP33 API 17D+ / IOGP 'Top-Down'

MPST SPS NCS < PST Subsea < C143-ST-Z-SP-00002_04 < Defau x +

polarion.equinor.com/polarion/#/project/JohanCastberg/wiki/C143-ST-Z-SP-00002_04

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Expand

3.1.1.2 Installation

- PS-52675 - The following installation requirements shall apply for the Subsea Production System components:
- PS-57243** - 1. All structures shall be designed for barge transportation with easy implementation of seaweasting and grillage.
- PS-57241 - 2. No lifting frames shall be used for template installation.
- PS-57242 - 3. There shall be transponder buckets in each corner of the Template and the Manifold. Specific design to be agreed with installation contractor.
- PS-57239 - 4. The rigging system should allow for connection to the crane hook at deck level.
- PS-57240 - 5. The vent hole area on the foundations shall be maximized

3.1.2 General Technical Requirements

3.1.2.1 Subsea Structures, Manifold and Choke modules

- PS-52678 - The structures shall comply with requirements in NORSOK U-001, NORSOK N-001, NORSOK N-003 and NORSOK N-004.

The following text is a modified extract from TR1230 Ver. 6.

1.1 Objective

The objective is to specify technical requirements for subsea structures, manifolds and choke modules, in addition to ISO 13628-15. Chapter 4-15 in this section of the Package Specification correspond to the same chapters in ISO13628-15. Therefore, chapter 2 and 3 are missing.

4 Manifold and template functional considerations

4.3 System Interfaces

Work Item Properties

PS-57243 - 1. All structures shall be designed for barge transportation with easy implement...

Fields

Severity: **Shall**

Status: **Relevant**

ID: **PS-57243**

Links

Edit Links

has parent

- PS-52674 - Installation

Documents

This Work Item is contained in **MPST SPS NCS** and referenced in:

- C143-ST-Z-SP-00002_04 (this document)