

NORSOK STANDARD

DESIGN PRINCIPLES **CODING SYSTEM**

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Please note that whilst every effort has been made to ensure the accuracy of the NORSOK standards neither OLF nor TBL or any of their members will assume liability for any use thereof.

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1 FOREWORD

NORSOK (The competitive standing of the Norwegian offshore sector) is the industry initiative to add value, reduce cost and lead time and remove unnecessary activities in offshore field developments and operations.

The NORSOK standards are developed by the Norwegian petroleum industry as a part of the NORSOK initiative and are jointly issued by OLF (The Norwegian Oil Industry Association) and TBL (The Federation of Norwegian Engineering Industries). NORSOK standards are administered by NTS (Norwegian Technology Standards Institution).

The purpose of this industry standard is to replace the individual oil company specifications for use in existing and future petroleum industry developments, subject to the individual company's review and application.

The NORSOK standards make extensive references to international standards. Where relevant, the contents of this standard will be used to provide input to the international standardization process. Subject to implementation into international standards, this NORSOK standard will be withdrawn.

For the purpose of assisting those using this document the following information is given.

The coding system in this standard is based on a functional breakdown of systems into subsystems and units. This is due to the following main objectives:

- Compliance with the functional NORSOK standards.
- To relate all documentation to systems, subsystems and units to ensure traceability and use.
- To enable commissioning and operation activities on systems, subsystems and units without additional coding.
- To enable contractors and suppliers to number their deliveries and documentation with a minimum of centralised coordination.
- To minimize the requirements for documentation of identical items on different systems, subsystems or units.

All annexes are normative.

2 SCOPE

This coding system has been developed for tag coding and technical document coding by breakdown of an installation into system functions.

3 NORMATIVE REFERENCES

- | | |
|-------------------------|--|
| ISO 3511-1
(NS 1438) | Process measurement control functions and instrumentation
Symbolic representation
Part I: Basic requirements |
| ISO 3511-2 | Process measurement control functions and instrumentation
Symbolic representation
Part II: Extension of basic requirements |

ISO 3511-3	Process measurement control functions and instrumentation Symbolic representation Part III: Detailed symbols for instrument interconnection diagrams
ISO 8601	Data elements and interchange formats - Information interchange - Representation of dates and times
IEC 750	Item designation in electro technology
NS 5820	Supplier's documentation of equipment (4.4, Acceptance codes)

4 DEFINITIONS AND ABBREVIATIONS

4.1 Definitions

Normative references	Shall mean normative in the application of NORSOK standards.
Informative references	Shall mean informative in the application of NORSOK standards.
Shall	Shall is an absolute requirement which shall be followed strictly in order to conform with the standard.
Should	Should is a recommendation. Alternative solutions having the same functionality and quality are acceptable.
May	May indicates a course of action that is permissible within the limits of the standard (a permission).
Can	Can-requirements are conditional and indicates a possibility open to the user of the standard.
A	Alphabetic character
N	Numeric character
Z	Alphanumeric character
Document id.	A code which uniquely defines a document and follow the document during the life cycle. Attributes to the document describe content, condition and physical form. The attributes will change during the life cycle.
System	A platform consists of systems which performs process, utility and service functions etc.
Subsystem	The systems may be broken down into functional subsystems.
Sub-subsystems	The subsystems may be broken down into project specific sub-subsystems.
Unit	The subsystems/sub-subsystems may be broken down into project specific units.
Subunit	The unit may be broken down into project specific subunits.

Item	The unit/subunit may be broken down into project specific items. An item is the lowest level of functional identification.
Component	Items which do require an individual physical identity. A component shall be identified by manufacturer's name, model/type identification and serial number. (Note that functional systems, subsystems and units shall not be identified as a component because it has a serial number, but because of additional requirements for identification/traceability (recertification, non-interchangeable spare parts etc.))
Bulk component	Units or items which do not require an individual physical identity (tag no.). A bulk component shall be identified by manufacturer's name and model/type identification.
Part	Part is any part of a bulk component/component. Part shall be identified by manufacturer's model/type identification.
Article code	Unique operator specific numbers assigned by the individual operators to all physical parts that fulfill identical functional and interface requirements.

4.2 Abbreviations

ISO	International Organisation for Standardisation
NS	"Norsk Standard"
IEC	International Electrotechnical Commission
DFO	Documentation for operation

5 CODING SYSTEM APPLICATION

The application of the coding system is described for systems, subsystems, units, items and documents in clauses 7, 8 and 9 below.

Coding for lower levels, like assembly, bulk component or part is not part of this standard (see also clause 10).

The specific coding details consists of the following elements:

- System and subsystem codes (annex A).
- Type and function codes (annex B).
- Pipeline and piping codes (annex C).
- Discipline and administration codes (annex D).
- Document type codes (annex E).
- Area codes (annex F).
- Revision, status and acceptance codes (annex G).
- Originator and responsible party codes (annex H).

6 PROJECT CODING

The project identification/number is standardised to a maximum of six alphanumeric characters.

The project number will be used as a reference in all tag coding. The project number shall be used as an attribute to the tag coding system (available in the data systems) and will therefore not be a visible part of a tag or document code.

For document coding the project number will be a part of the document number.

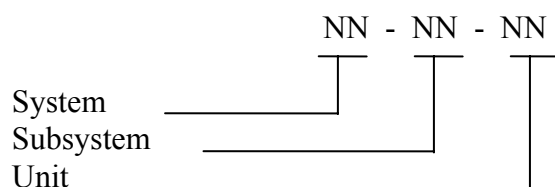
7 FUNCTION CODING ELEMENTS

7.1 General format

Functional coding consists of system, subsystem, unit and item identification. It is usually grouped in system and item functions.

7.2 System function

The system code consists of six numeric characters, broken down as follows:



Example of system code:

Cooling medium and refrigeration, system 40:

40	00	00
-----------	-----------	-----------

Pumping and filtering, subsystem 12:

40	12	00
-----------	-----------	-----------

Pump unit 10:

40	12	10
-----------	-----------	-----------

For systems that are not broken down, the various relevant characters shall be set to 0 (zero).

7.2.1 System

The systems are defined by the first and second numeric character of the six-character functional code.

Reference is made to annex A, System and subsystem coding.

Interfaces to other systems shall be set at items serving isolation and separation purposes (e.g. valves, junction boxes, distribution boards, termination racks etc.).

7.2.2 *Subsystem*

The subsystems are defined by the third and fourth numeric character of the six-character functional code.

Reference is made to annex A, System and subsystem coding.

The interfaces between subsystems shall be defined as for systems.

The sub-system is also used for multiple and separate systems. See system 40 in annex A.

7.2.3 *Sub-subsystem*

Where not defined in annex A, the fourth numeric character may be used for additional breakdown of subsystems into sub-subsystems.

The sub-subsystems shall be defined by the individual project.

The differentiation of the fourth numeric character may be required for mechanical completion, precommissioning, commissioning and operation activities.

Example of system, subsystem and sub-subsystem code:

Cooling medium subsystem no. 1,
40-10:

40	10	00
-----------	-----------	-----------

Pumping and filtering, 40-12:

40	12	00
-----------	-----------	-----------

Project specific unit 10:

40	12	10
-----------	-----------	-----------

7.2.4 *Unit*

The units are defined by the fifth and sixth numeric character of the six-character functional coding.

The units shall be defined by the individual project.

7.2.5 *Subunit*

The sixth numeric character may be used for additional breakdown of units into subunits.

The unit code shall define main units in steps of ten as 10, 20, 30, 40 etc. Subunits may be identified as 11, 12, 13 etc. within unit 10 etc.

Example of unit and subunit code:

Pump unit 10 in subsystem 40:

20	40	10
-----------	-----------	-----------

Pump subunit 11 in subsystem 40:

20	40	11
-----------	-----------	-----------

Pump subunit 12 in subsystem 40:

20	40	12
-----------	-----------	-----------

Pump subunit 13 in subsystem 40:

20	40	13
-----------	-----------	-----------

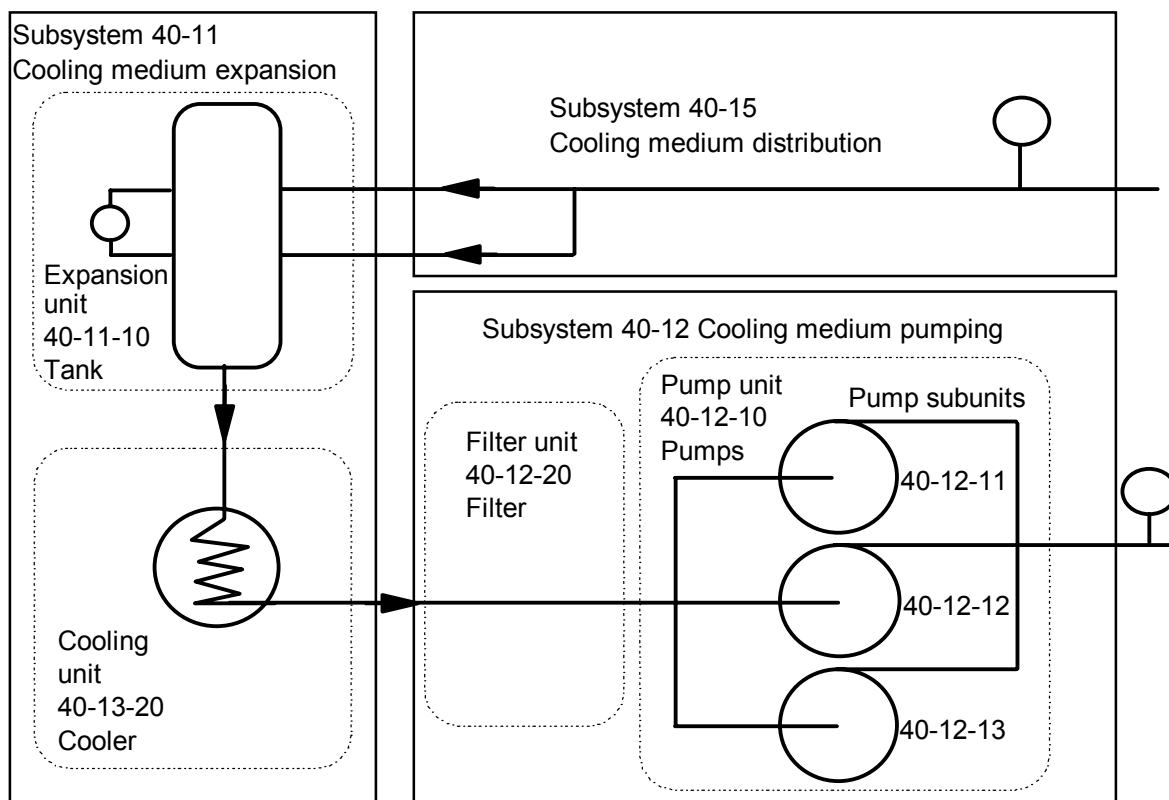
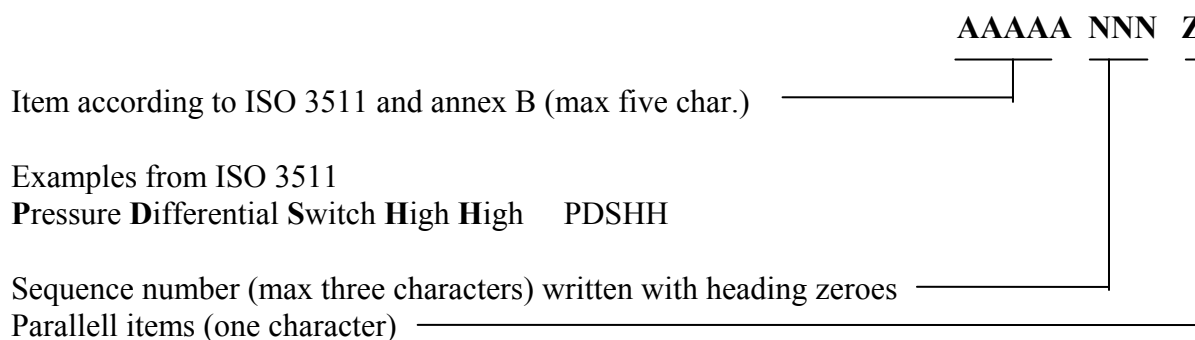


Fig. 1 Example of function coding for some subsystems within system 40, Cooling medium and refrigeration system.

7.3 Item function

The item function code consists of maximum eight characters, broken down as follows:



Examples:

Temperature Switch High High	TSHH001	(sequence number 01)
	TSHH001A	(parallell item A)
Junction box	EJ001	(sequence number)

Item codes are unique within a system but common to all identical items in various systems.

Examples:

Valve, pump, antenna, temperature transmitter, pressure switch, electrical motor, junction box.

8 TAG CODING

8.1 General format

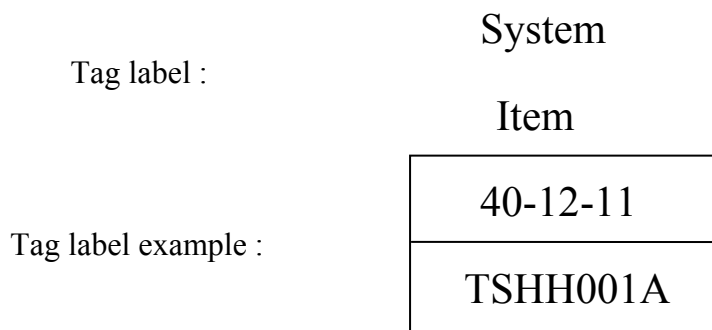
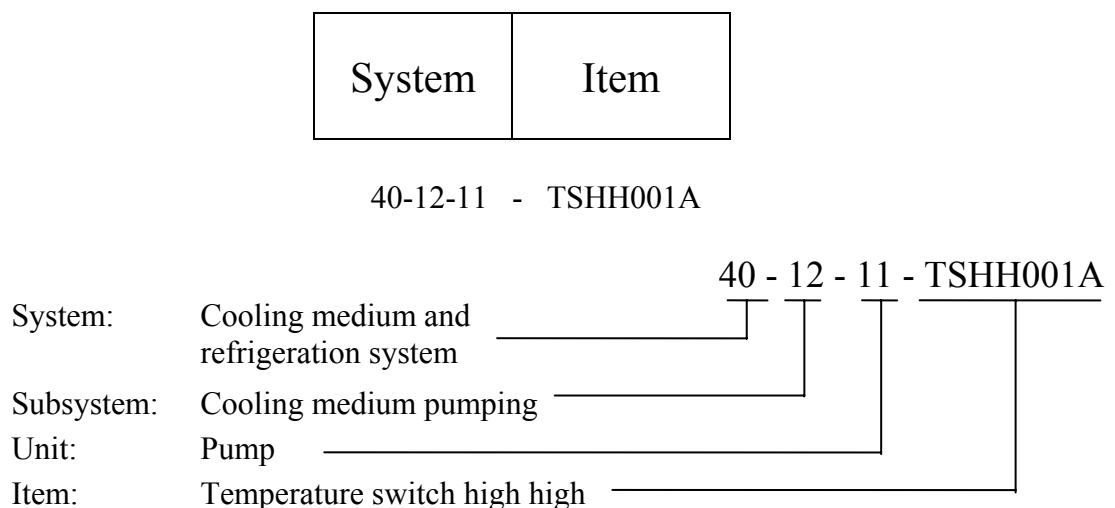
The actual tag coding consists of the following elements (described in clause 7):

- System function coding.
- Item function coding.

Tagging means to equip an item function with a label that gives it a unique identification. A tag is also allocated to a location.

Note: Tagging shall identify the lowest item function.

The tag code consists of:



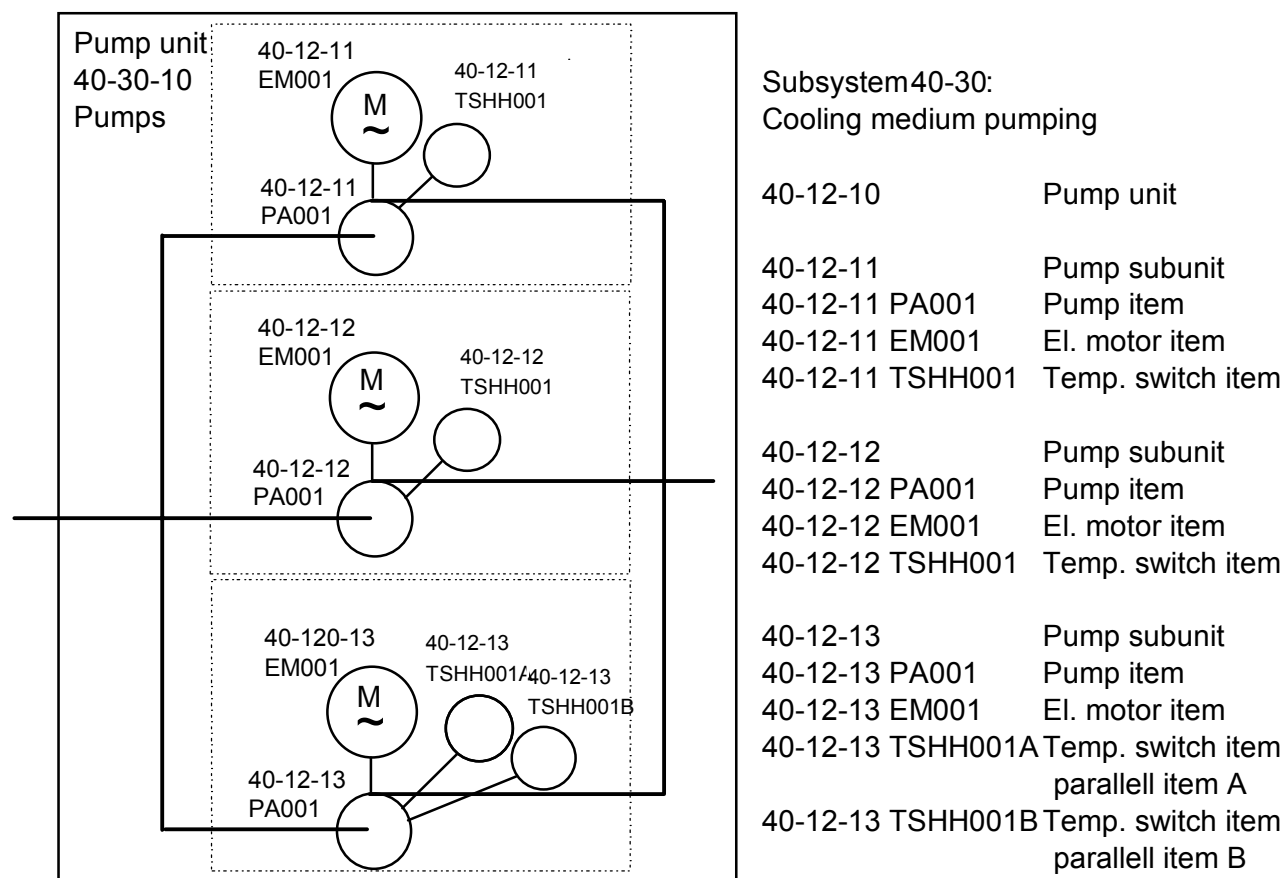


Fig. 2 Example of tag coding showing parallel units and items

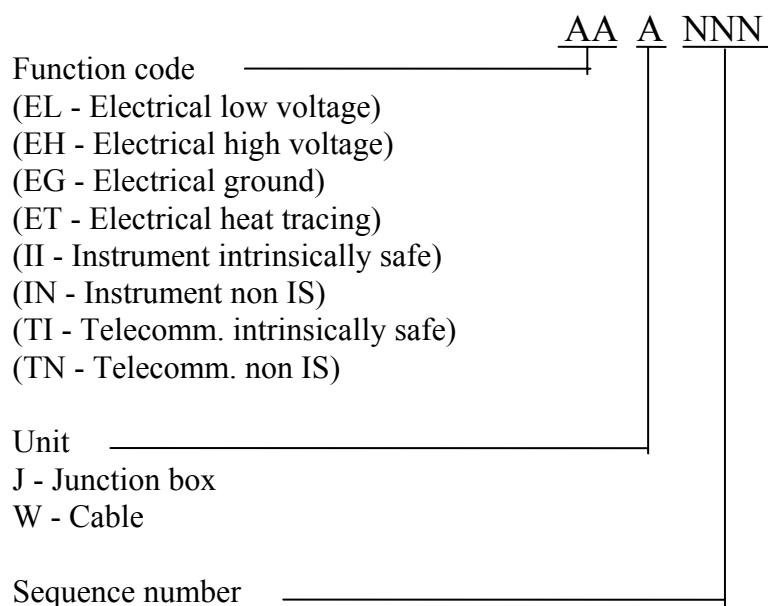
8.2 Piping

Piping shall be labelled according to the system and item function coding in clause 8.1. Item identification shall be according to annex C, Pipeline and piping codes.

8.3 Junction box and cable numbering

Junction box and cable coding consists of system and item function coding as defined in clause 8.1.

The item code consists of:



For certain junction boxes with multiple system cabling, the junction boxes shall be numbered with system 87, as detailed in annex A, System and subsystem codes.

Examples:

Junction box in system 84-20:

84 - 20 - 01 - ELJ001

System:	Emergency power generation and distribution
Subsystem:	Emergency power distribution
Unit:	Switch gear unit
Item:	Junction box

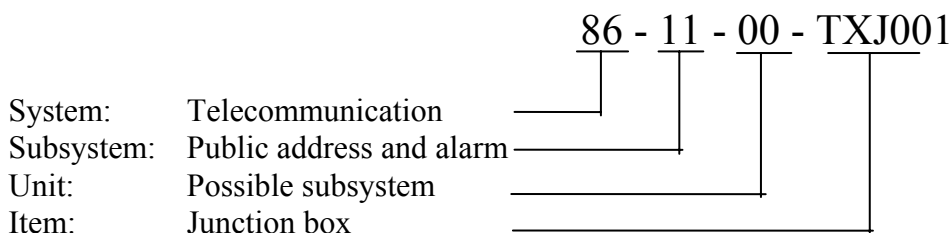
Tag label example for
junction box:

84 - 20 - 01
ELJ001

Examples:

Cable in system 84-20	84 - 20 - 01 - ELW040
System:	_____
Subsystem:	_____
Unit:	_____
Item:	_____

Junction box in system 86-11:



Tag label example:

86 - 11 - 00
TXJ001

9 DOCUMENT CODING

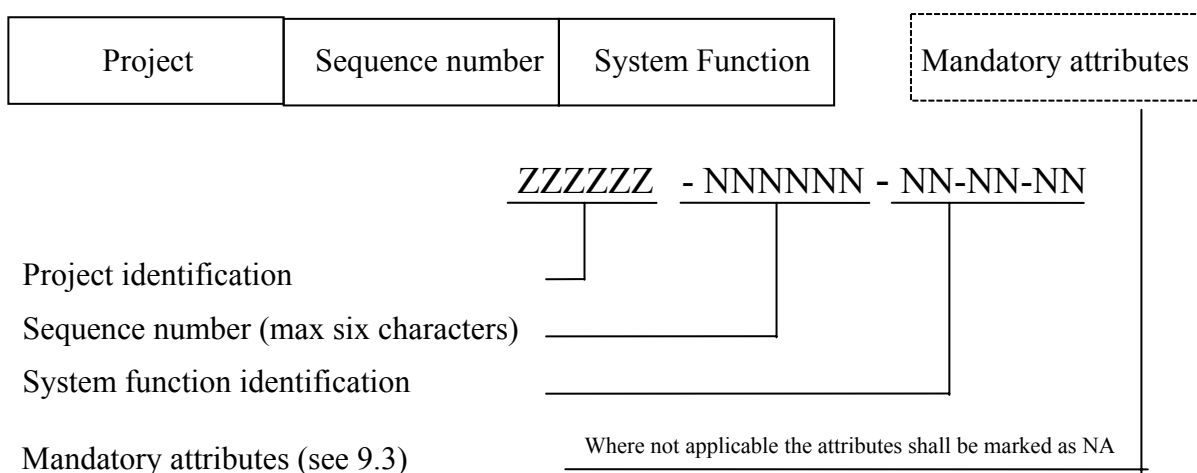
9.1 General format

All documents produced shall be traceable by the project document code.

Project specific documentation from manufacturer/supplier shall be identified according to this standard. A complete document coding consists of the document number and the mandatory attributes.

9.2 Document number

The identification structure is:



The sequence number relates to the lowest level of identification. Number allocation shall be done by the system/unit designer.

Documentation of manufacturer's standard units and standard bulk components/components shall be identified according to manufacturer's normal identification system. In addition necessary project identification shall be given as required to enable registration and tracing in the project.

This will provide the required connection between documents to:

- System/subsystem/units/items (tags).
- Bulk component/component identification.
- Manufacturer's normal identification system.

Note: Documents not related to a specific system shall be identified as:

ZZZZZZ (Project) NNNNNN 000000.

Piping GA drawings shall be identified as:

ZZZZZZ (Project) NNNNNN 901000.

(90 structure 90-10 Piping general arrangement)

9.3 Mandatory attributes

Mandatory attributes to documents shall be used to enable the necessary tracing.

Acceptance Code (Annex G).

Acceptance Status Code (Annex G).

Area Code (Annex F).

Discipline (Annex D).

Document Title/Subject (shall be pregnant and describe the information content)

Document Type (Annex E).

Originator Code (Annex H).

Responsible Party (Annex H).

Revision Code (Annex G).

Revision Date (according to ISO 8601, 1988. Example: YYMMDD).

Sheet number shall be used as required.

If the information content in a document covers more than one representation in an attribute maximum three codes are to be used. Eg. discipline code O and P.

10 BULK COMPONENT/COMPONENT IDENTIFICATION

The third element of identification is the bulk component/component identification.

The part element is physical equipment identified by manufacturer's name and model/type. A serial number may be identified if additional identification/traceability is required.

Functional tag coding

System	Item
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Fig. 3 Relation between functional tag (system/subsystem/unit/item) coding and bulk component/component equipment identification.

The bulk component/component identification should be related to an article coding system for simple identification of items to simplify spare part administration and documentation.

Function Coding		Bulk component	Manufacturer Mod./Type/Part	Real Manufacturer	Article Code / Company Code
System	Item				
40-11-24	PA001C		6"/10" (34P) FIK 9 STG	Matter & Platt	31 69 01 467 1
		Part 1	111261P-9	Matter & Platt	31 69 94 010 2
		.	.		
		.	.		
		.	.		
		Part N	A29443P-1	Matter & Platt	31 69 94 122 2

Fig. 4 Relation between functional tag coding and physical equipment identification.

Note that the component identification system is not part of this coding system standard. A component identification system should be administrated by the industry.

11 INFORMATIVE REFERENCES

This coding system structure and elements are based on:

AIR Transport Association of America (ATA), ATA-100.
International Atomic Energy Agency Coding System.

Hydro, Coding manual.

Saga, Snorre Engineering numbering system, S1-PT-ASG-0004.

Amoco, Valhall coding system.

ANNEX A SYSTEM AND SUBSYSTEM CODES WITH FLOW- AND COLOR CODING (NORMATIVE)

The following main grouping of platform systems is used.

System	System main groups
01 - 09	Reserved for systems that are specific to a particular plant
10 - 19	Drilling and well related systems for oil and gas production (well related systems for oil and gas production)
20 - 39	Process systems that comprise the systems directly involved in the production of the plant
40 - 49	Process support and feed/product storage that comprise all systems which have a mass or heat interaction with the process system
50 - 69	Utility systems that comprise all systems necessary for the plant to operate, but are not part of the actual production
70 - 79	Safety and facility systems
80 - 89	Electrical - Telecommunication - Instrumentation systems
90 - 99	Miscellaneous systems, Structural, Civil systems

System		Primary colour	Secondary Colour
10	DRILLING		
10 - 00	General		
10 - 10	Derrick/mast and hoisting		
10 - 20	Rotary equipment		
10 - 30	Pipehandling		
10 - 40	Drillfloor and substructure with equipment		
10 - 50	Coil tubing		
10 - 60	Snubbing		
10 - 70	Well testing		
11	DRILLING PROCESS		
11 - 00	General		
11 - 10	Bulk	Dark red	White
11 - 20	Mud mixing and storage	Dark red	White
11 - 30	High pressure mud	Dark red	Orange
11 - 40	Mud treatment	Dark red	White
11 - 50	Cementing	Dark red	Green
11 - 60	Cutting disposal	Dark red	White
11 - 70	Mud base fluid	Dark red	White
11 - 80	Completion fluid	Dark red	White
12	DRILLING WELL CONTROL		
12 - 00	General		
12 - 10	Kill and choke manifold	Dark red	Orange
12 - 20	BOP, diverter and drilling riser	Dark red	Orange
12 - 30	Kill subsystem	Dark red	Orange
12 - 40	Well control subsystem		
12 - 50	Well logging subsystem, rental equipment		
13	RISER AND WELL		
13 - 00	General		
13 - 10	Well subsystem		
13 - 20	Production / injection riser and flowlines	Brown	White
13 - 50	Downhole equipment		
14	RISER OPERATIONS		
14 - 00	General		
14 - 10	Riser guidance subsystem		
14 - 20	Marine growth cleaning subsystem		
14 - 30	Riser position reference subsystem		
14 - 40	Riser inspection subsystem		
14 - 50	ROV subsystem		

15 NOT DEFINED

System	Primary colour	Secondary Colour
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16 NOT DEFINED

17 SUBSEA PRODUCTION - INSTALLATION, MAINTENANCE AND WORKOVER

17 - 00	General
17 - 10	Drilling equipment
17 - 20	Handling equipment
17 - 30	Completion riser subsystem
17 - 40	Workover control subsystem
17 - 50	Pull-in and connection subsystem
17 - 60	ROMV subsystem
17 - 70	Testing subsystem
17 - 80	Running tool subsystem
17 - 90	Dummy wellbay subsystem
17 - 95	Leveling system-templates

18 SUBSEA WELL AND RISER

18 - 10	Well- and x-mastree
18 - 20	Flow control module
18 - 30	HIPPS
18 - 40	Manifold
18 - 50	Flowline and riser
18 - 60	Subsea control and umbilical subsystem

19 NOT DEFINED

20 SEPARATION AND STABILISATION

20 - 00	General		
20 - 10	Flowlines		
20 - 20	Well manifolds	Brown	White
20 - 30	Swivel		
20 - 40	Heaters and separators	Brown	White
20 - 50	Distribution	Brown	White
20 - 60	Production manifold		
20 - 70	Pumping and cooling		

21 CRUDE HANDLING AND METERING

21 - 00	General		
21 - 10	Crude pumping (storage/pipeline/loading)	Brown	White
21 - 20	Crude storage	Brown	White
21 - 30	Crude metering	Brown	White
21 - 40	Crude loading	Brown	White

22 NOT DEFINED

System	Primary colour	Secondary Colour
23 GAS RECOMPRESSION, COOLING AND SCRUBBING		
23 - 00 General		
23 - 10 Gas cooling and scrubbing (Dry)	Yellow ochre	Yellow
Gas cooling and scrubbing (Wet)	Orange	White
23 - 20 Gas recompression (Dry)	Yellow ochre	Yellow
Gas recompression (Wet)	Orange	White
24 GAS TREATMENT		
24 - 00 General		
24 - 10 Gas cooling and scrubbing (Dry)	Yellow ochre	Yellow
Gas cooling and scrubbing (Wet)	Orange	White
24 - 20 Gas dehydration (Dry)	Yellow ochre	Yellow
Gas dehydration (Wet)	Orange	White
24 - 30 Regeneration (Dry gas)	Yellow ochre	Yellow
Regeneration (Dry glycol)	Violet	Yellow
Regeneration (Wet gas)	Orange	White
Regeneration (Wet glycol)	Violet	White
25 GAS CONDITIONING		
26 GAS REINJECTION TO RESERVOIR		
26 - 00 General		
26 - 10 Reinjection gas cooling / scrubbing (Dry)	Yellow ochre	Yellow
Reinjection gas cooling / scrubbing (Wet)	Orange	White
26 - 20 Reinjection gas compression (Dry)	Yellow ochre	Yellow
Reinjection gas compression (Wet)	Orange	White
26 - 30 Reinjection manifold and flowlines(Dry)	Yellow ochre	Yellow
Reinjection manifold and flowlines(Wet)	Orange	White
27 GAS PIPELINE COMPRESSION, METERING AND TRANSFER		
27 - 00 General		
27 - 10 Gas cooling and scrubbing (Dry)	Yellow ochre	Yellow
Gas cooling and scrubbing (Wet)	Orange	White
27 - 20 Gas pipeline compression (Dry)	Yellow ochre	Yellow
Gas pipeline compression (Wet)	Orange	White
27 - 30 Gas metering (Dry)	Yellow ochre	Yellow
Gas metering (Wet)	Orange	White
28 GAS SWEETENING		
28 - 00 General		
28 - 10 H ₂ S removal (Dry gas)	Yellow ochre	Yellow
H ₂ S removal (Wet gas)	Orange	White
28 - 20 CO ₂ removal (Dry gas)	Yellow ochre	Yellow
CO ₂ removal (Wet gas)	Orange	White

System	Primary colour	Secondary Colour
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29 NOT DEFINED

30 OIL PIPELINE, EXPORT STABILISED OIL

30 - 00	General		
30 - 10	Pipeline	Brown	White
30 - 20	Pig launching		

31 CONDENSATE EXPORT PIPELINE

31 - 00	General		
31 - 10	Pipeline	Brown	White
31 - 20	Pig Launching		

32 GAS EXPORT PIPELINE

32 - 00	General		
32 - 10	Pipeline	Yellow ochre	Yellow
32 - 20	Pig launching		

33 NOT DEFINED

34 WATER PIPELINE HIGH PRESSURE

34 - 00	General		
34 - 10	Risers	Green	White
34 - 20	Pipeline	Green	White
34 - 30	Pig launching		

35 METHANOL PIPELINE

35 - 00	General		
35 - 10	Risers	Violet	Blue
35 - 20	Pipeline	Violet	Blue
35 - 30	Pig launching		

36 PIPELINE WELLSTREAM, MULTIPHASE

36 - 00	General		
36 - 10	Risers	Brown	Red
36 - 20	Pipeline	Brown	Red
36 - 30	Pig launching		

37 - 39 NOT DEFINED

40 COOLING MEDIUM AND REFRIGERATION

40 - 00	General		
40 - 10	Cooling medium subsystem no.1	Violet	Orange
40 - 11	Expansion		
40 - 12	Pumping and filtering		

System	Primary colour	Secondary Colour
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40 - 13	Cooling		
40 - 15	Distribution		
40 - 20	Cooling medium subsystem no.2	Violet	Orange
40 - 30	Cooling medium subsystem no.3	Violet	Orange

41 HEATING MEDIUM

41 - 00	General		
41 - 10	Heating medium subsystem no.1	Violet	Orange
40 - 11	Expansion		
40 - 12	Pumping and filtering		
40 - 13	Cooling		
40 - 15	Distribution		
41 - 20	Heating medium subsystem no.2	Violet	Orange
41 - 30	Heating medium subsystem no.3	Violet	Orange

42 CHEMICAL INJECTION

42 - 00	General		
42 - 10	Antifoam	Violet	Black
42 - 11	Storage		
42 - 12	Pumping and filtering		
42 - 15	Distribution		
42 - 20	Biocid	Violet	Black
42 - 30	Oxygen scavenger	Violet	Black
42 - 40	Corrosion inhibitor	Violet	Black
42 - 50	De-emulsifier	Violet	Black
42 - 60	Scale inhibitor	Violet	Black
42 - 70	Polyelectrolyte	Violet	Black

43 FLARE, VENT AND BLOW-DOWN

43 - 00	General		
43 - 10	High pressure flaring	Yellow ochre	Red
43 - 11	HP flare header/knock-out drum	Yellow ochre	Red
43 - 12	HP flare and metering	Yellow ochre	Red
43 - 20	Low pressure flaring	Yellow ochre	Blue
43 - 21	LP flare header/knock-out drum	Yellow ochre	Blue
43 - 22	LP flare and metering	Yellow ochre	Blue
43 - 30	Maintenance flaring	Yellow ochre	Brown
43 - 31	Maintenance header/knock-out drum	Yellow ochre	Brown
43 - 32	Maintenance flare and metering	Yellow ochre	Brown
43 - 40	Atmospheric venting	Yellow ochre	Silver grey
43 - 50	Flame generation and pilot flaring	Yellow ochre	Silver grey

System	Primary colour	Secondary Colour
44 OILY WATER TREATMENT		
44 - 00 General		
44 - 10 Produced water treatment	Green	Brown
44 - 11 Produced water hydrocyclones	Green	Brown
44 - 12 Produced water degassing drum and reclaimed sump	Green	Brown
45 FUEL GAS		
45 - 00 General		
45 - 10 HP fuel gas	Yellow ochre	White
45 - 11 HP fuel gas heating/scrubbing	Yellow ochre	White
45 - 12 HP fuel gas distribution	Yellow ochre	White
45 - 20 LP fuel gas	Yellow ochre	White
45 - 21 LP fuel gas heating/scrubbing	Yellow ochre	White
45 - 22 LP fuel gas distribution	Yellow ochre	White
46 Methanol injection		
46 - 10 Storage	Violet	Blue
46 - 20 Pumping	Violet	Blue
47 Chlorination		
47 - 10 Storage	Violet	Green
47 - 20 Pumping	Violet	Green
47 - 50 Distribution	Violet	Green
48 Glykol		
48 - 10 Storage	Violet	Yellow
48 - 20 Pumping and filtering	Violet	Yellow
48 - 50 Distribution	Violet	Yellow
49 NOT DEFINED		
50 SEA WATER (LOW TO MEDIUM PRESSURE)		
50 - 00 General		
50 - 10 Sea water subsystem no.1	Green	White
50 - 11 Lifting	Green	White
50 - 12 Pumping and filtering	Green	White
50 - 15 Distribution	Green	White
50 - 20 Sea water subsystem no.2	Green	White
50 - 30 Sea water subsystem no.3	Green	White

System	Primary colour	Secondary Colour
51 SEA WATER (HIGH PRESSURE)		
51 - 00 General		
51 - 10 Water injection	Green	Yellow
51 - 20 Water injection filtering/deaeration	Green	Yellow
51 - 30 Water injection pumping	Green	Yellow
51 - 40 Water injection manifold	Green	Yellow
51 - 50 Jet water system	Green	Yellow
51 - 60 Jet water header	Green	Yellow
51 - 70 Jet water distribution	Green	Yellow
52 BALLAST WATER		
52 - 00 General		
52 - 10 Ballast water inlet/filtering	Green	Orange
52 - 20 Ballast water control tank	Green	Orange
52 - 30 Ballast water pumping	Green	Orange
52 - 40 Ballast water distribution	Green	Orange
52 - 50 Vent and sounding	Green	Orange
52 - 60 Temporary ballast water	Green	Orange
53 FRESH WATER		
53 - 00 General		
53 - 10 Water desalination (fresh water makers)	Green	Green
53 - 20 Desalinated water storage	Green	Green
53 - 30 Desalinated water distribution	Green	Green
53 - 40 Potable water sterilisation	Green	Blue
53 - 50 Potable water storage	Green	Blue
53 - 60 Potable water distribution	Green	Blue
54 NOT DEFINED		
55 STEAM, CONDENSATE AND HOT WATER		
55 - 00 General		
55 - 10 Steam generation and distribution	Silver grey	Green
55 - 20 Hot water generation and distribution	Green	Violet
55 - 30 Hot water high pressure generation and distribution	Silver grey	Orange
56 OPEN DRAIN		
56 - 00 General		
56 - 10 Non-hazardous open drain	Black	Yellow
56 - 11 Non-hazardous open drain collection	Black	Yellow
56 - 12 Non-hazardous open drain separator/pump	Black	Yellow
56 - 20 Hazardous open drain	Black	White
56 - 21 Hazardous open drain collection	Black	White
System	Primary colour	Secondary Colour

56 - 22	Hazardous open drain separator/pump	Black	White
56 - 30	Shale disposal	Black	Orange
56 - 40	Drain water treatment	Black	Yellow

57 CLOSED DRAIN

57 - 00	General		
57 - 10	Closed drain collection	Black	Blue
57 - 20	Closed drain separator/pumps	Black	Blue

58 THRUSTER AND PROPULSION

58 - 10	Power system
58 - 20	Propulsion
58 - 30	Control system

59 NOT DEFINED

60 DRY AND WET BULK LOADING

Dry bulk loading	Dark red	White
Wet bulk loading	Dark red	Orange

61 JET FUEL

61 - 00	General		
61 - 10	Jet fuel storage/pumping	Brown	Violet
61 - 20	Jet fuel filtering/dispensing	Brown	Violet

62 DIESEL OIL

62 - 00	General		
62 - 10	Untreated diesel oil storage	Brown	Yellow
62 - 20	Untreated diesel oil distribution	Brown	Yellow
62 - 30	Treatment untreated diesel oil	Brown	Yellow
62 - 40	Treated diesel oil storage	Brown	Yellow
62 - 50	Treated diesel oil distribution	Brown	Yellow

63 COMPRESSED AIR

63 - 00	General		
63 - 10	Instrument air compression	Light blue	White
63 - 20	Instrument air drying/receiving	Light blue	White
63 - 30	Instrument air distribution	Light blue	White
63 - 50	Plant air subsystem	Light blue	Yellow
63 - 60	Black start subsystem	Light blue	Yellow
63 - 61	Black start compression	Light blue	Yellow
63 - 62	Black start air receiver	Light blue	Yellow
63 - 63	Topping-up compression	Light blue	Yellow
63 - 70	Bleed air subsystem	Light blue	Yellow

System	Primary colour	Secondary Colour
64 INERT GAS		
64 - 00 General		
64 - 10 N2 production and distribution	Yellow ochre	Silver grey
64 - 20 Cargo inert gas, production and distribution	Yellow ochre	Violet
65 HYDRAULIC POWER		
65 - 00 General		
65 - 10 Hydraulic power pack and distribution top-side (hydraulic oils)	Brown	Blue
65 - 20 Hydraulic power pack and distribution subsea (hydraulic oils)	Brown	Blue
65 - 30 Hydraulic power pack and distribution wellhead (hydraulic oils)	Brown	Blue
65 - 40 Hydraulic power pack and distribution for cargo and ballast		
65 - 50 Hydraulic power pack for turret bearing and locking device		
65 - 60 Hydraulic power pack for cargo offloading		
65 - 70 Hydraulic power pack and distribution for ship systems		
66 SEWAGE TREATMENT		
66 - 00 General		
66 - 10 Sewage collection and treatment package	Black	Green
67 - 68 NOT DEFINED		
69 LUBE OIL		
70 FIRE AND GAS DETECTION		
70 - 00 General		
70 - 10 Fire and gas detection		
71 FIRE WATER		
71 - 00 General		
71 - 10 Fire water pumping	Safety red	White
71 - 20 Fire water distribution	Safety red	White
71 - 30 Temporary pumping and distribution	Safety red	White
71 - 50 Deluge	Safety red	Blue
71 - 60 Sprinkler	Safety red	Blue
71 - 70 Water spray/ AFFF	Safety red Safety red	Blue Yellow
71 - 80 Monitor		
71 - 90 Hose reel		

System	Primary colour	Secondary Colour
72 FIRE FIGHTING		
72 - 00 General		
72 - 10 AFFF storage, pumping and distribution	Safety red	Yellow
72 - 20 Inergen subsystem	Safety red	Yellow
72 - 30 Fire doors	Safety red	Yellow
72 - 50 CO ₂ subsystem	Safety red	Silver grey
72 - 60 Fire extinguishers	Safety red	
72 - 70 Smoke diving equipment		
72 - 80 Dry chemicals	Safety red	Green
73 MATERIAL HANDLING		
73 - 00 General		
73 - 10 Pedestal cranes		
73 - 20 Overhead cranes		
73 - 30 Trolleys/hoist		
73 - 40 Monorails and lugs		
73 - 50 Elevators		
73 - 60 Winches		
73 - 70 Anchor winches		
73 - 80 Skids		
74 ACCOMMODATION FACILITIES		
74 - 00 General		
74 - 10 Sleeping facilities		
74 - 20 Food service subsystem		
74 - 30 Recreation		
74 - 40 Administration and control		
74 - 50 Helideck		
75 PASSIVE FIRE PROTECTION		
75 - 00 General		
75 - 10 Structural fire protection		
75 - 50 Fire walls		
76 ESCAPE AND PERSONNEL SAFETY		
76 - 00 General		
76 - 10 Life boats		
76 - 20 Life boats davits		
76 - 30 Life rafts/MOB		
76 - 40 Escape provisions (survival suits, ropes etc.)		
76 - 50 Personal protection (first aid, eye washers, medical equipment, etc.)		
76 - 60 Escape chute		

System	Primary colour	Secondary Colour
77 HEATING AND VENTILATION		
77 - 00 General		
77 - 10 HVAC in living quarter		
77 - 20 HVAC in other areas		
77 - 21 Air handling		
77 - 22 Damper		
77 - 50 Hot water makers	Green	Violet
Cold water makers	Green	Blue
77 - 60 Hot water distribution	Green	Violet
Cold water distribution	Green	Blue
78 WORKSHOP AND STORAGE		
78 - 00 General		
78 - 10 Workshop facilities		
78 - 20 Storage facilities		
79 EMERGENCY SHUTDOWN AND BLOWDOWN		
79 - 00 General		
79 - 10 Emergency shutdown	Yellow/Black warning strip	
79 - 20 Blowdown	Yellow/Black warning strip	
80 MAIN POWER GENERATION AND DISTRIBUTION HIGH VOLTAGE (>6.6kV)		
80 - 00 General		
80 - 10 Main power generation		
80 - 20 Main power distribution		
81 MAIN POWER GENERATION AND DISTRIBUTION HIGH VOLTAGE (1.0kV - 6.6kV)		
81 - 00 General		
81 - 10 Main power generation		
81 - 20 Main power distribution		
82 MAIN POWER GENERATION AND DISTRIBUTION LOW VOLTAGE (<1.0kV)		
82 - 00 General		
82 - 10 Main power generation		
82 - 20 Main power distribution		
83 ESSENTIAL POWER GENERATION AND DISTRIBUTION		
83 - 00 General		
83 - 10 Essential power generation		
83 - 20 Essential power distribution		

System	Primary colour	Secondary Colour
---------------	-----------------------	-------------------------

84 EMERGENCY POWER GENERATION AND DISTRIBUTION

- | | |
|---------|------------------------------|
| 84 - 00 | General |
| 84 - 10 | Emergency power generation |
| 84 - 20 | Emergency power distribution |

85 BATTERY AND NO-BREAK

- | | |
|---------|----------------------|
| 85 - 00 | General |
| 85 - 10 | 24V DC power supply |
| 85 - 20 | 48V DC power supply |
| 85 - 40 | 110V DC power supply |
| 85 - 50 | 230V AC UPS |

86 TELECOMMUNICATION

- | | |
|---------|--|
| 86 - 00 | General |
| 86 - 10 | Sound subsystems |
| 86 - 11 | Public address and alarm |
| 86 - 12 | Drillers intercom |
| 86 - 20 | Network subsystems |
| 86 - 21 | PABX |
| 86 - 22 | Multiplexer |
| 86 - 23 | Office data network (servers, bridges/routers etc.) |
| 86 - 24 | Office data and telephone cabling network |
| 86 - 25 | Platform intercom |
| 86 - 30 | External carriers |
| 86 - 31 | Radio links |
| 86 - 35 | Satellite links |
| 86 - 37 | Private radio network |
| 86 - 38 | Cable links |
| 86 - 39 | Fibre optic links |
| 86 - 40 | Radio subsystems |
| 86 - 41 | Mandatory radio (GMDSS) and general radio.
(GMDSS, Global Maritime Distress and Safety) |
| 86 - 42 | VHF radio and paging |
| 86 - 43 | Audio and video entertainment |
| 86 - 50 | Surveillance subsystems |
| 86 - 51 | Closed circuit television (CCTV) |
| 86 - 52 | Meteorological observation |
| 86 - 53 | Marine radar |
| 86 - 54 | Aviation radar |
| 86 - 55 | Communication recorder |
| 86 - 60 | Telemetry |
| 86 - 61 | Shuttle tanker loading telemetry |
| 86 - 62 | Work-over telemetry |
| 86 - 63 | Pipeline telemetry |

System	Primary colour	Secondary Colour
---------------	-----------------------	-------------------------

- 86 - 70 Navigational aids
- 86 - 71 Distance measuring equipment (DMF)
- 86 - 72 ATIS/AFTN for aviation
- 86 - 73 Positioning
- 86 - 80 Common subsystems
- 86 - 81 MDF (main distribution frame)
- 86 - 82 Telecom power supply
- 86 - 83 Real time clock
- 86 - 84 TSS, Telecom surveillance subsystem incl. TMS, Traffic management subsystem
- 86 - 90 Temporary subsystems (subsystems used during installation, hook-up, commissioning and start-up)

87 CONTROL

- 87 - 00 General
- 87 - 10 Process control subsystems
- 87 - 20 Process shutdown subsystems
- 87 - 30 Multipurpose subsystems (cables and junction boxes)
- 87 - 40 Fire and gas control subsystems
- 87 - 50 Wellhead control subsystem (incl. hydraulic power unit)
- 87 - 60 Environmental condition monitoring subsystems
- 87 - 70 Power distribution control subsystem
- 87 - 80 CCR equipment
- 87 - 90 Positioning subsystem

88 EARTHING AND LIGHTNING

- 88 - 00 General
- 88 - 10 Earthing and lightning protection
- 88 - 20 Electrical lightning protection

89 NOT DEFINED

90 STRUCTURAL/CIVIL/Misc.

- 90 - 00 General
- 90 - 10 Piping general arrangement
- 90 - 20 Piping layouts
- 90 - 30 Piping plot plans
- 90 - 40 Piping support

91 DECK STRUCTURES

- 91 - 00 General
- 91 - 10 Primary structures
- 91 - 20 Secondary structures
- 91 - 30 Outfitting/non-structural
- 91 - 40 Protection systems (bumpers etc.)
- 91 - 90 Temporary structures

System

Primary colour Secondary colour

92 SUPPORT STRUCTURES/HULLS

92 - 00	General
92 - 10	Primary structures
92 - 20	Secondary structures
92 - 30	Outfitting/non-structural
92 - 40	Prestressing reinforcements
92 - 50	Ordinary reinforcements
92 - 60	Protection subsystems
92 - 70	Jacking subsystems (jack-ups)
92 - 80	Turret
92 - 90	Temporary structures

93 LOADING

93 - 00	General
93 - 10	Primary structures
93 - 20	Secondary structures
93 - 30	Outfitting/non-structural
93 - 90	Temporary structures

94 ANCHORING

94 - 00	General
94 - 10	Mooring
94 - 11	Piles
94 - 12	Anchors
94 - 14	Anchor lines
94 - 15	Tethers

95 ONSHORE/CIVIL

95 - 00	General
95 - 10	Primary structures
95 - 20	Secondary structures
95 - 30	Outfitting/non-structural
95 - 40	Roads
95 - 50	Bridges
95 - 60	Pads
95 - 70	Quays
95 - 80	Tunnels/caverns
95 - 90	Temporary structures

96 SUBSEA PRODUCTION

96 - 00	General
96 - 10	Primary structure
96 - 20	Secondary structure
96 - 90	Temporary structure

System	Primary colour	Secondary colour
97	WELL TEMPLATES	
97 - 00	General	
97 - 10	Primary structure	
97 - 20	Secondary structure	
97 - 90	Temporary structure	
98	CORROSION PROTECTION	
98 - 00	General	
98 - 10	Painting	
98 - 20	Cathodic protection	
98 - 30	Corrosion monitoring	
99	MISCELLANEOUS	
99 - 00	General	
99 - 10	Structural monitoring	
99 - 20	Lifting (spreader bars etc.)	
99 - 30	Installation aids	
99 - 40	Transportation aids	
99 - 50	Grillage/seafastening	

ANNEX B ITEM FUNCTION CODES (NORMATIVE)

International standards are the primary identification principles shall be used.

As supplement for *not defined type and function codes in international standards* as referenced pr. type and function in this appendix, the following codes shall be applied:

ARCHITECTURAL

AA	Not to be used
AB	Not to be used
AC	Sanitary equipment
AE	Laundry equipment
AF	Kitchen equipment
AX	
AD	Doors

DRILLING

BD	BOP/Accumulator equipment
BG	Drawwork/Rotary table
BH	Riser
BI	Choke manifold
BJ	Top drive
BM	Not to be used
BN	Diverter
BR	Skid-Jack
BS	Not to be used
BP	Drilling manifold
BT	Through flowline equipment
BX	Other drilling equipment

MISC. MECHANICAL

CA	Filter/Strainer
CB	Air driven motor/Starter
CC	Centrifuge
CD	Reciprocate engine
CE	Cyclone
CF	Mechanical separator/Shaker
CG	Gear box
CH	Hydraulic cylinder
CJ	Mixers/Agitator/Blender
CN	Solid waste disposal unit
CP	Pig
CQ	Eductor and ejector
CR	Trash rack/Collector
CT	Gas turbine/Expander
CU	Steam turbine
CV	Hydraulic motor
CX	Other mechanical equipment
CY	Spring support

COMMISSION PACKAGE

Codes to be allocated

ELECTRICAL EQUIPMENT

Electrical equipment shall be identified according to IEC 750. Additional codes are:

EA	Distribution board/switchgear for <400V, 400V<1kV and >1kV
EB	Control equipment/interface panel <230V
EC	Capacitors
EE	Lighting fixtures, other electrical equipment
EG	Battery/battery charger, generator
EI	Navigation aid
EM	Electric motor
EQ	Circuit breaker/disconnector (isolator)
ER	Resistor
ET	Transformer
EU	Rectifier and inverter, frequency converter
EW	Electrical cables, earthing bar, bus bar/bus duct
EX	Socket outlets, terminals, plugs

HEATER, FURNACE AND BOILER

FA	Oil fired boiler including stack and ducting
FB	Electrode boiler including stack and ducting
FC	Warm water maker
FD	Flare
FE	Electric heating element
FM	Mud burner
FX	Other heater, furnace, boiler

HEATING, VENTILATION AND AIR CONDITIONING

GA	Air handling unit
GB	Fan coil unit
GD	Centrifugal fan
GE	Axial fan/Mixed flow fan
GF	Air filters
GG	Roof hood
GH	Cooling coil/Heating coil
GK	Humidifier
GL	Sound attenuator
GM	Fire damper
GN	Shut off damper
GO	Pressure control damper
GP	Coalescers
GQ	Weather louvre
GR	Balancing damper
GV	Supply grille/Diffuser
GW	Extract grille
GX	Other HVAC equipment

GZ Inlet guide vanes/Flow measuring device/Sampling point

HEAT TRANSFER

HA Shell and tube heat exchanger
HB Plate heat exchanger
HC Radiator
HE Miscellaneous cooler and condenser
HW Waste heat recovery unit
HX Other heat transfer equipment

INSTRUMENT (not for field tagged instrument)

IA Air distribution header
IC Controller/computer cabinet
ID Desk/console
IE Electrical distribution/power supply cabinet
IF Field cabinet
IH Hydraulic power unit
IK Field termination cabinet/cross connection cabinet
IL Logger/printer/copies
IM Matrix-/mimic panel
IO Operator station, workstation, PC, VDU etc.
IP
IR Misc. instruments
IS
IT
IV Valve control assembly

COMPRESSOR AND BLOWER

KA Centrifugal compressor
KB Reciprocating compressor
KC Screw/Rotary compressor
KE Fan
KF Blower
KH Axial compressor
KJ Diaphragm compressor
KX Other compressor/Blower

MATERIAL HANDLING

MA Pedestal crane/Jib crane
MB Gantry crane
MC Overhead travelling crane
MD Electrical/Air driven hoist
ME Manual driven hoist
MF Lift
MG Escalator
MH Skyclimber, personnel basket etc.
MJ Screw feeder
MK Winch

ML	Conveyor
MM	Loading/Discharging equipment
MN	Forklift, truck, transporter etc.
MP	Yoke, block, sheave, hook etc.
MQ	Workshop machine
MR	Tool
MS	Pipe handling equipment (drilling only)
MT	Not to be used
MU	Weighting equipment
MV	Packing equipment
MX	Other material and misc. products handling equipment
MY	Runway beam
MZ	Padeye/Lifting lug

SPECIAL ITEM

NP	Special item
L	Pipe
Y	Pipeline

PUMP

PA	Centrifugal pump
PB	Reciprocating pump
PC	Rotary pump
PD	Special metering pump
PE	Gear pump
PF	Diaphragm pump
PG	Screw pump
PM	Mono pump
PX	Other pump

SAFETY, ESCAPE AND FIRE FIGHTING EQUIPMENT (lifeboat, raft, extinguisher etc.)

SA	Lifeboat and raft
SB	Pickup boat
SC	Life saving equipment (cabinet, survival suit, lifebuoy, breathing apparatus, ladder, torche, etc.)
SD	First aid equipment (stretcher, shower, eyebath, etc.)
SE	Fire fighting equipment (cabinet, smoke diving equipment, tool, etc.)
SF	Portable fire extinguisher
SG	Fire/Safety station
SH	CO ₂ equipment
SJ	Fixed foam unit
SK	Dual agent unit
SL	Dry chemical unit
SM	Fire monitor
SP	Fire hose cabinet
SR	Fire hose reel
SS	Sprinkler valve

ST	Fire door
SU	Utility station
SW	Deluge equipment
SX	Other safety, escape and fire fighting equipment

TANK (atmospheric)

TA	Storage tank cylindrical
TB	Storage tank rectangular
TD	Water lock
TE	Drain collector/Drain pot
TF	Mud pit
TG	Sump
TH	Shaft skimmer (GBS)
TP	Water pond
TX	Other atmospheric tank

SUBSEA EQUIPMENT

UA	Wellhead, tieback, PGS equipment
UB	Tubing hanger system
UC	X-mas tree/cap system
UD	Lower safety block (LRP/SWIB)
UE	Running tool (EQDP/URT/TCRT)
UF	Work over riser system
UG	Upper safety block system
UH	Workover control system
UI	Subsea structure/manifold system
UJ	Pigging system
UK	Flow and servicelines
UL	Hydraulic/Electrical control system
UM	Pull-in systems
UN	Connection systems
UO	Control pod system
UP	Control pod running tool system
UQ	Intervention control system
UR	Production control system
US	ROV tools and test equipment
UT	Other intervention tools systems
UU	
UV	
UW	
UX	Other subsea equipment
UY	
UZ	Aux. equipment

VESSELS AND COLUMN

VA	Separator
VB	Accumulator
VC	Gas bottle
VD	Settling tank, knockout drum, flash tank
VE	Column
VG	Scrubber
VH	Deaerator
VJ	Coalescer
VK	Dryer
VL	Receiver and surge vessel, expansion and head tank
VM	Pig launcher and receiver
VN	Storage tank
VS	Slug catcher
VV	Special purpose vessel
VW	Pulsation damper
VX	Other vessel and column
VZ	Storage cell (GBS)

EQUIPMENT PACKAGE/SKID

XX	Equipment package/skid
----	------------------------

INSTRUMENT AND CONTROL FUNCTION CODES

The function code for loop level instruments and control functions comprises 2-5 alphabetic characters according to ISO 3511.

FIRE AND GAS

AB	Gas detector point (flammeable gases)	Eksplsjonsfare
AT	Gas detector beam transmitter	
AR	Gas detector beam reciever	
AS	Gas detector point (Toxic gases)	Forgiftningsfare
AI	Gas detector indicator remote or local	
AL	Gas alarm Light in matrix	
BA	Addressable unit	
BH	Heat detector	
BE	Early smoke detector	
BM	Manual fire alarm	
BS	Smoke detector	
BF	Flame detector	
BI	Fire detector indicator remot or local	
BL	Fire alarm light in matrix	
CA	Agent predischage alarm/sirene	
CB	Agent extinguisher predischage beacon	
CI	Agent extinguisher Indicator/Status light	
CR	Agent extinguisher release field or matrix	
CL	Agent extinguisher status light matrix	

DR	Door release
ES	Emergency shutdown and isolation switch
ER	Emergency shutdown manual local reset
EL	Emergency shutdown Status light matrix
ZL	Fire damper position status light matrix

TELECOMMUNICATION

AA	Antenna
AW	Antenna tuning unit
AX	Antenna socket
AP	Antenna amplifier
CA	Cable amplifier
CS	Cable splitter
CT	Cable tapper
CO	CAS outlet
DA	Display unit
EC	Equipment cabinet
HH	Acoustic hood
IX	Intercom unit (Ex)
LG	Flashing light, green
LY	Flashing light, yellow
LS	Loudspeaker
MC	Met. sensor, cloud height
MH	Met. sensor, humidity
MP	Met. sensor, pressure
MR	Met. sensor, wave radar
MT	Met. sensor, temperature
MW	Met. sensor, wind
NM	Network socket, multipoint (telephone, data, LAN etc.)
NT	Network socket, telephone
ND	Network socket, data/LAN
NX	Ex telephone
OC	Operator console
OP	Operator/control panel (access unit)
PA	Power amplifier
RU	Radio unit
SP	Service panel
TC	CCTV camera
TR	Tape recorder
TV	TV (video) monitor
WR	Remote unit

ANNEX C PIPELINE AND PIPING CODES (NORMATIVE)

The item function code shall be incorporated in the tag number for topside piping is L and pipelines Y.

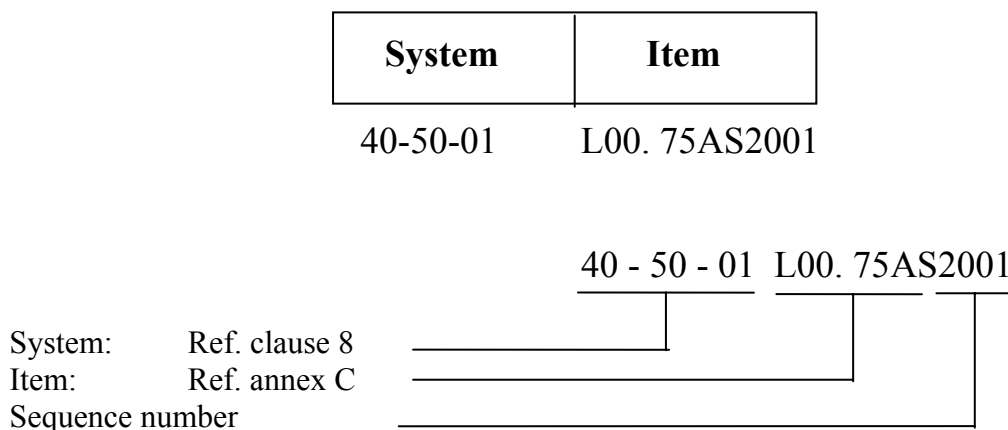
For piping the following specific attributes to the item identification shall be used:

Item function	:	A	
Line size	:	NN.NN	(four characters in decimal inches)
Pipe classification	:	AA	
Insulation class	:	N	
Sequence number	:	NNN	(with leading zeros)

Example:

All pipelines and valve dimensions shall be given in inches and decimal inches.
Note: For pipe and pipeline size do not use fractions, e.g. 1/2, 3/4 etc.

Example of pipe numbering:



Tag lable example:

40 - 50 - 01
L00. 75AS2001

The piping classification code is interpreted as follows:

For piping and pipeline classification see L-CR-001, Piping and valves.

ANNEX D DISCIPLINE AND ADMINISTRATION CODING (NORMATIVE)

The discipline code is used as attribute to the documentation identification and it consists of a one character alphabetic code as follows:

A	Administration
B	Procurement
C	Civil/architect
D	Drilling
E	Electrical
F	Project control/cost/economy
G	Geology
H	HVAC
I	Instrumentation/metering
J	Marine operation
K	Inspection
L	Piping/layout
M	Material technology
N	Structural
O	Operation
P	Process
Q	Quality management
R	Mechanical
S	Health, safety and environment (HSE)
T	Telecommunication
U	Subsea
W	Weight control
X	Reservoir
Y	Pipeline
Z	Multidiscipline

ANNEX E DOCUMENT TYPE CODES (NORMATIVE)

AA	Accounting
BA	Budget
CA	Analysis, test and calculation
CB	Cause and effect
DS	Data sheets
EA	Estimate
FA	Principal decision
FB	Philosophy
FC	Design basis
GA	Authorities document
HA	Standard
KA	Procedures
KB	System function test procedure
KC	Performance test procedure
KD	Work instruction
LA	Indexes
LB	Registers
LC	Main equipment list
LD	Instrument index
LE	Cable list
LF	Legends
LG	List of special tools
MA	Operation and maintenance instruction
MB*	Technical description
MC*	Corrective maintenance
MD*	Operating instruction
ME*	Predictive maintenance
MG*	Equipment handling instruction
MF	Parts and spare parts list
MH	Lubrication schedule
NA	Catalogue
OA	Work package

* Primary delivery MA, separate codes is used only for separate delivery

PA	Purchase orders
PB	Blanket order/frame agreement
PC	Call off order
PD	Major contract
PE	Minor contract
PF	Work order
PG	Material take off (MTO)
PH	Material release note (MRN)
PI	Material movement ticket (MMT)
PJ	Material receiving report (MRR)
PK	Over, shortage and damage report (OS & D)
QA	Query
RA	Report
RB	Technical report
RC	Non conformance report
RD	Corrective action
RE	DFI (Design - Fabrication - Installation)
SA	Specification
SC	Special technical specification
SD	Project design criterias, philosophies etc.
TA	Schedule
TB	Planning schedule
TC	Work plan
TD	Cable schedule/cable transit schedule
TE	Schedules architect
TF	Pipe support schedules
TG	Spring schedules
VA	Manufacturing record and verifying documentation
VB	Certificate of conformance
VC	Traceability lists
VD	List of certificates, reports, procedures and calculations
VE	Third party verification and certification
VF	Certificates for cranes and lifting equipment
VG	Type approval certificate
WA	Isometric drawing hydrotest
WB	Pipe support drawing
WC	Structural fire protection drawings
WD	Acoustic/thermal insulation and fire protection plan
XA	Drawings, misc.
XB	Flow diagrams

XC	Pipe & instrument diagram (P&ID / D&ID)
XD	General arrangement
XE	Layout drawings
XF	Detail crosssectional drawings with parts list
XG	Location drawing
XH	Cable rack and tray layout
XI	Area classification drawing
XJ	Fire area location drawing
XK	Foundation drawing
XL	Pipe connections
XM	Isometric fabrication drawing
XN	Isometric drawing stress test
XO	Isometric design drawing
XQ	System block diagram
XP	Termination drawing for external connections
XS	Single line diagram
XT	Field equipment installation drawings
XU	Logic diagram
XV	Loop diagram
XW	Nodal diagram
XX	Wiring diagram
XY	Hook up drawing
ZA	EDP documentation
ZB	Software documentation
ZC	System documentation
ZD	VDU pictures

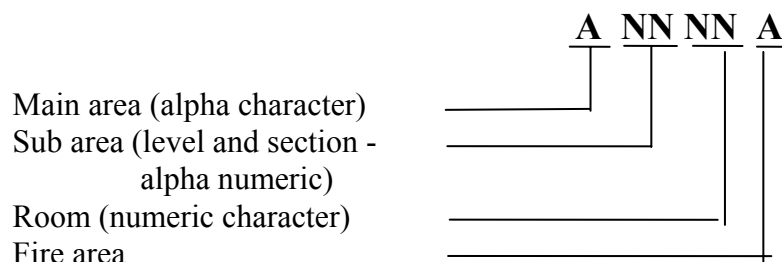
ANNEX F AREA CODES (NORMATIVE)

General

An installation is divided on a geographic/coordinate basis by means of area coding. The area codes are used as attributes to plant items and documentation identification codes.

Format

The area code shall be:



Three first elements shall always be used.

Main area (A)

A single alphabetic character defines a main area type or major division within the plant as follows:

A	Open	M	Open
B	Open	P	Process
C	Open	Q	Utility
D	Drilling	R	Risers/j-tubes/umbilicals
E	Open	S	Pipelines
F	Open	T	Open
G	Open	U	Subsea
H	Helideck	W	Wellhead
J	Open	X	General (all areas)
L	Living quarter	Y	Open
		Z	Open

Sub area (level and section) (NN)

Main area is subdivided into sub-areas and defined by two alpha numeric character number.

The first character defines the level and the second character the section, e.g.:

10	Level 1, section 0
11	Level 1, section 1
12	Level 1, section 2

Room ZZ

The room is identified by two characters within each section, e.g.:

01 = room 1

02 = room 2

Examples:

Process area:

P1000	Level 1
P1100	Level 1, section 1
P1200	Level 1, section 2
P1210	Level 1, section 2, room 10
P1211	Level 1, section 2, room 11

Living quarters:

L1124	Level 1, section 1, room 24
L2236	Level 2, section 3, room 36

Examples:

X 00 00	Installation general
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Fire area coding

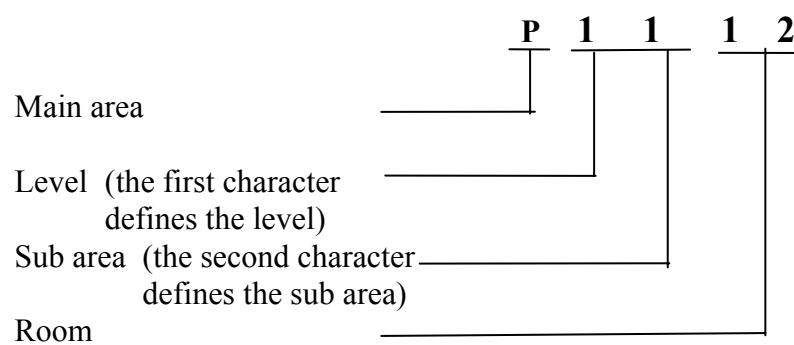
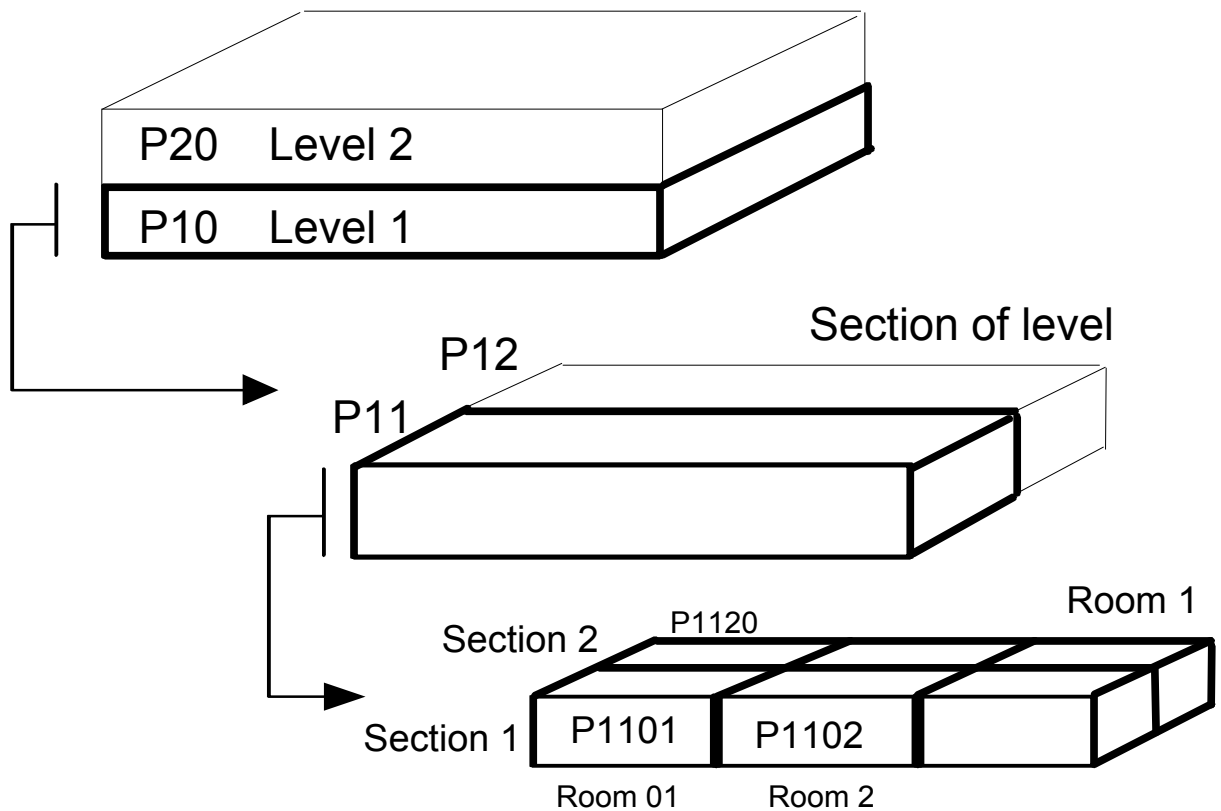
Fire areas are coded according to the area coding principles but identified with the letter F after the number.

Examples:

P1010F	Fire area is module P10, room 10
P1211F	Fire area is control room located within P12
L2236F	Fire area is module L22 room 36

The fire area code may for certain fire areas differ from the room code. This may be the case when one fire area is covering two or more rooms.

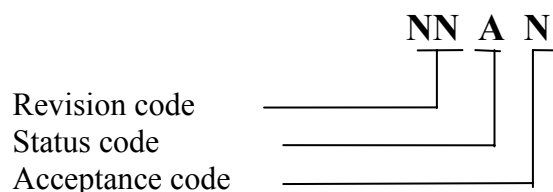
Examples:



ANNEX G REVISION, STATUS AND ACCEPTANCE CODES (NORMATIVE)

GENERAL

This section describes the codes shall be used for revision, status and acceptance coding as attributes to the document number. The format for these attributes are as follows:



REVISION CODES

Revision codes (NN)

The purpose of the sequential revision number is to give each revision a unique number.

A two digit sequential number starting at 01 shall be given for the documents first issue and shall be increased with one for each revision.

STATUS CODES

The purpose of the status code is to give each issue an application

The reason/description of status shall be described in the document identification header/matrix and in addition identified in the attributes to the document number with a letter as described below:

- A Approved/accepted for application for granting of production licenses
- B Approved/accepted for exploration
- C Approved/accepted for pre-feasibility study
- D Approved/accepted for feasibility study
- E Approved/accepted for main study, basic engineering or design basis
- F Approved/accepted for detail engineering
- G Approved/accepted for inquiry or tender
- H Approved/accepted for order placement/purchase agreement or contract award
- K Approved/accepted for construction

- L As built
- M Approved (independent of project phases)
- N Voided

ACCEPTANCE CODES

An acceptance code shall be assigned to documents submitted for review and acceptance. The following codes shall be used:

- Code 1: Accepted
- Code 2A: Interface information as clouded is accepted and frozen
- Code 2: Accepted with comments incorporated, revise and resubmit
- Code 3: Not accepted, revise and resubmit

(Code 4 according to NS 5820 shall not be used).

The assigned acceptance code shall be shown on the document.

ANNEX H ORIGINATOR AND RESPONSIBLE PARTY CODES (NORMATIVE)

GENERAL

Originator and responsible party are alphanumeric codes and are used in document coding to identify each contractor, supplier and company. The originator coding is according to Achilles data base.

ORIGINATOR CODES

The originator code defines which organization has created the document, by four alpha numeric characters. The originator code does not change, even if the responsibility for a document is transferred.

RESPONSIBLE PARTY CODES

The responsible party defines the organizational unit responsible for the original and updating of the document. This organization will, at first, be the same as the originator but may change during a document's life cycle.

For example will a document created by an engineering contractor have it's responsibility transferred to the fabricator and later to a hook-up/commissioning contractor. After hand-over as as-built documentation, the operation unit will be the responsible party for all documents.