OFFSHORE SERVICE SPECIFICATION

DNV-OSS-201

Verification for Compliance with Norwegian Shelf Regulations

APRIL 2012

The electronic pdf version of this document found through http://www.dnv.com is the officially binding version

The content of this service document is the subject of intellectual property rights reserved by Det Norske Veritas AS (DNV). The user accepts that it is prohibited by anyone else but DNV and/or its licensees to offer and/or perform classification, certification and/or verification services, including the issuance of certificates and/or declarations of conformity, wholly or partly, on the basis of and/or pursuant to this document whether free of charge or chargeable, without DNV's prior written consent. DNV is not responsible for the consequences arising from any use of this document by others.

DET NORSKE VERITAS AS

FOREWORD

DET NORSKE VERITAS (DNV) is an autonomous and independent foundation with the objectives of safeguarding life, property and the environment, at sea and onshore. DNV undertakes classification, certification, and other verification and consultancy services relating to quality of ships, offshore units and installations, and onshore industries worldwide, and carries out research in relation to these functions.

DNV service documents consist of among others the following types of documents:

— *Service Specifications.* Procedural requirements.
— *Standards.* Technical requirements.
— *Recommended Practices.* Guidance.

The Standards and Recommended Practices are offered within the following areas:

A) Qualification, Quality and Safety Methodology
B) Materials Technology
C) Structures
D) Systems
E) Special Facilities
F) Pipelines and Risers
G) Asset Operation
H) Marine Operations
J) Cleaner Energy
O) Subsea Systems

© Det Norske Veritas AS April 2012

Any comments may be sent by e-mail to *rules@dnv.com*

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million.
In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.

CHANGES

General

This document supersedes DNV-OSS-201, October 2011.

Text affected by the main changes in this edition is highlighted in red colour. However, if the changes involve a whole chapter, section or sub-section, normally only the title will be in red colour.

Main changes coming into force 1 October 2012

— Included descriptions for **HELDK-SH(N)**, **HELDK-SHF(N)** and **CRANE(N)**.
— Restricted scope of the different **UNIT(N)** notations by:
  - excluding the NMD Helicopter Deck and lifesaving regulations
  - excluding a follow up of the DP system.
— Clarified survey for **DRILL(N)**.

CONTENTS

CH. 1 PRINCIPLES AND PROCEDURES 7

Sec. 1 Introduction 8

A. Introduction 8
A 100 General 8
A 200 Organisation of DNV-OSS-201 8
A 300 Objects covered 8

B. Definitions 8
B 100 Verbal forms 8
B 200 Definitions 8

C. References 9
C 100 Normative references 9

D. Abbreviations 11
D 100 General 11

Sec. 2 Verification Principles and Class Notations 12

A. Verification Principles 12
A 100 General 12
A 200 Regulatory basis 12
A 300 Regulatory considerations for floating units 12
A 400 Acknowledgement of Compliance (AoC) and verification basis 13

B. Class Notations 13
B 100 General 13
B 200 Class notations 13

C. Classification Principles, Procedure and Legal Provisions 14
C 100 General 14

CH. 2 DESIGN AND CONSTRUCTION PROVISIONS 15

Sec. 1 Introduction 16

A. General 16
A 100 General 16

Sec. 2 Drilling Unit (N) 17

A. Introduction 17
A 100 Application 17
A 200 Class notations 17

B. Verification Scope 17
B 100 Supplementary verification basis for **Drilling Unit (N)** 17
B 200 Limitations 19

C. Procedures for Verification 20
C 100 Design verification and certification of materials and components 20
C 200 Survey during construction, installation and commissioning 20

Sec. 3 Production and/or Storage Unit (N) 21

A. Introduction 21
A 100 Application 21
A 200 Class notations 21

B. Verification Scope 21
B 100 Supplementary verification basis for **Production** and/or **Storage Unit (N)** 21
B 200 Limitations 23

C. Procedures for Verification 24
C 100 Design verification and certification of materials and components 24
C 200 Survey during construction, installation and commissioning 24

Sec. 4 Well Intervention Unit (N) 25

A. Introduction 25
A 100 Application 25
A 200 Class notations 25

B. Verification Scope 25
B 100 Supplementary verification basis for **Well Intervention Unit (N)** 25
B 200 Limitations 27

C. Procedures for Verification 28
C 100 Design verification and certification of materials and components 28
C 200 Survey during construction, installation and commissioning 28

Sec. 5 Accommodation Unit (N) 29

A. Introduction 29
A 100 Application 29
A 200 Class notations 29

B. Verification Scope 29
B 100 Supplementary verification basis for **Accommodation Unit (N)** 29
B 200 Limitations 31

C. Procedures for Verification 32
C 100 Design verification and certification of materials and components 32
C 200 Survey during construction, installation and commissioning 32

Sec. 6 Drill(N) 33

A. Introduction 33
A 100 Application 33
A 200 Class notations 33

B. Verification Scope 33
B 100 General 33
B 200 Supplementary verification for **DRILL(N)** 33
B 300 Limitations 34

C. Procedures for Verification 34
C 100 Design verification and certification of materials and components 34
C 200 Survey during construction, installation and commissioning 34

Sec. 7 PROD(N) 35

A. Introduction 35
A 100 Application 35
A 200 Class notations 35

B. Verification Scope 35
B 100 General 35
B 200 Supplementary verification for **PROD(N)** 35
B 300 Limitations 36

C. Procedures for Verification 36
C 100 Design Verification and Certification of Materials and Components 36
C 200 Survey during construction, installation and commissioning 36

Sec. 8 WELL(N) 37

A. Introduction 37
A 100 Application 37
A 200 Class notations 37

B. Verification Scope 37
B 100 General 37
B 200 Supplementary verification for **WELL(N)** 37
B 300 Limitations 38

C. Procedures for Verification 38
C 100 Design verification and certification of materials and components 38
C 200 Survey during construction, installation and commissioning 38

Sec. 9 HELDK-SH(N) / HELDK-SHF(N) 39

A. Introduction 39
A 100 Application 39
A 200 Notation 39

B. Verification scope 39
B 100 General 39
B 200 Supplementary verification for **(N)** 39

Sec. 10 CRANE(N) 40

A. General 40
A 100 General 40
A 200 Supplementary verification for **(N)** 40

CH. 3 CLASSIFICATION IN OPERATION 41

Sec. 1 General Provisions for Periodical Surveys 42

A. General 42
A 100 Principles and procedures 42

B. Class Renewal for **(N)**-notation 42
B 100 General 42

Sec. 2 Periodic Survey Extent for (N)-Notations 43

A. **Drilling Unit (N)** 43
A 100 Application 43
A 200 Annual and complete periodical surveys 43

B. **Production** and/or **Storage Unit (N)** 43
B 100 Application 43
B 200 Annual and complete periodical surveys 43

C. **Well Intervention Unit (N)** 43
C 100 Application 43
C 200 Annual and complete periodical surveys 43

D. **Accommodation Unit (N)** 43
D 100 Application 43
D 200 Annual and complete periodical surveys 43

E. **DRILL(N)** 44
E 100 Application 44
E 200 Annual surveys 44
E 300 Complete periodical survey 44

F. **PROD(N)** 44
F 100 Application 44
F 200 Annual and complete periodical surveys 44

G. **WELL(N)** 44
G 100 Application 44
G 200 Annual and complete periodical surveys 44

OFFSHORE SERVICE SPECIFICATION
DNV-OSS-201

VERIFICATION FOR COMPLIANCE WITH
NORWEGIAN SHELF REGULATIONS

CHAPTER 1

PRINCIPLES AND PROCEDURES

CONTENTS PAGE

Sec. 1 Introduction 8
Sec. 2 Verification Principles and Class Notations 12

DET NORSKE VERITAS AS

SECTION 1
INTRODUCTION

A. Introduction

A 100 General

101 DNV Offshore Classification aims to assure safety and reliability of offshore units and installations with regard to design, construction and operation. Wherever possible DNV offers additional, integrated services to assist clients toward fulfilling coastal state legislation, giving credit for classification activities.

102 This publication, DNV-OSS-201, presents standardised DNV verification services building on class, which may be used to document partial compliance with verification obligations related to operation on the Norwegian Continental Shelf (NCS).

A 200 Organisation of DNV-OSS-201

201 DNV-OSS-201 is divided into three main chapters:

— *Chapter 1:* General information about classification services related to operation on the Norwegian Continental Shelf (NCS).
— *Chapter 2:* Design and construction requirements for the newbuilding phase
— *Chapter 3:* Requirements for maintenance of NCS related class notations in the operational phase.

A 300 Objects covered

301 DNV-OSS-201 covers NCS related class services for offshore objects of the following types:

— Drilling units
— Production units
— Storage units
— Well intervention units
— Accommodation units.

and the following types of installed facilities:

— Drilling plants
— Well Intervention plants
— Production plants
— Helicopter decks
— Cranes.

B. Definitions

B 100 Verbal forms

101 *Shall*: Indicates requirements strictly to be followed in order to conform to this service specification and from which no deviation is permitted.

102 *Should*: Indicates that among several possibilities one is recommended as particularly suitable, without mentioning or excluding others, or that a certain course of action is preferred but not necessarily required. Other possibilities may be applied subject to agreement.

103 *May:* Verbal form used to indicate a course of action permissible within the limits of the service specification.

B 200 Definitions

201 *Acknowledgement of Compliance (AoC):* An acknowledgement from PSA to the effect that mobile facilities registered in a national register of shipping, and which follow a maritime operational concept, technical condition and the applicant's organisation and management system are assessed to the best of the directorate's judgement to be in conformity with relevant requirements of Norwegian shelf rules. (Ref. guidelines to §21 in PSA "Framework regulations").

202 *Approval or approved:* Denotes acceptance by DNV of documentation showing design solutions, arrangements and/or equipment to comply with the rules.

203 *Assigning class*: Originally signified designation of one of several classes to a ship based on its condition, ranging from good to bad. Today only the highest class is assigned, comprising the main class, **1A1**, and an obligatory additional class notation, e.g. Drilling Unit, where applicable.

Voluntary additional class notations may also be assigned covering special service, equipment or systems, e.g. **DRILL** denoting a classed drilling plant.

204 *CE-mark:* CE denotes "Communauté Européenne", and confirms that equipment complies relevant European Union Directives.

205 *Classification:* Comprises those services rendered by DNV in accordance with the rules. Classification of offshore units is conducted in accordance with the requirements of the rules and any standards referred to by the rules.

206 *Classification certificate:* Issued upon assignment or renewal of class. Its validity is five years subject to successful completion of annual and intermediate surveys.

207 *Client:* The party having requested classification or having assumed ownership of a classed offshore unit or installation. In cases where owners have authorised another party to operate the unit or installation on their behalf, such party is regarded as the client.

208 *Contract*: The specific agreement between DNV and the client. It defines the extent of services requested by the client, and is concerned with:

— the classification of offshore units or installations, both newbuildings and in operation
— statutory work carried out on behalf of national maritime authorities
— equipment and materials.

209 *Det Norske Veritas (DNV):* An autonomous and independent foundation with the object of safeguarding life, property and the environment. DNV undertakes classification and certification and ensures the quality of ships, offshore units and installations, facilities and systems, and carries out research in connection with these functions.

DNV operates a world wide network of survey stations and is authorised by more than 120 national administrations to carry out surveys and, in most cases, issue certificates on their behalf.

210 *Guidance note:* Advice which is not mandatory for assignment of class, but with which DNV, in light of general experience, advises compliance. The client may decide whether to apply the note or not.

211 *Mobile offshore unit (MOU)*: A buoyant construction engaged in offshore operations including drilling, production, storage or support functions, not intended for service at one particular offshore site and which can be relocated without major dismantling or modification.

212 *Notified Body:* Independent organisations appointed by EEA national authorities to undertake conformity assessment before a product is CE-marked according to a EU directive. DNV is notified body for many EU directives

213 *Offshore installation:* A collective term to cover any construction, buoyant or non-buoyant, designed and built for installation at a particular offshore location.

214 *Owner*: In the context of this Service Specification, the Owner is defined as the party responsible for the offshore unit or installation including its operation and safety.

215 *Recognised classification society:* A classification society which is a full or associate member of IACS.

216 *Statutory certificates:* IMO convention certificates issued on behalf of, or by, national authorities.

217 *Supplier* or *manufacturer*: Supplies materials, components, equipment and systems to newbuildings to be classed, or to classed units in operation, whose production is subject to design approval, surveys and testing in accordance with the rules.

C. References

C 100 Normative references

101 This service specification includes references to other DNV documents and regulations, codes and standards which shall be used in conjunction with the requirements given herein, for assignment of **(N)**-notation.

Latest issue of the references shall be used unless otherwise agreed.

102 DNV documents referred to are given in Table C1.

Table C1 Normative DNV References	
Reference	*Title*
DNV-OSS-101	Rules for Classification of Offshore Drilling and Support Units
DNV-OSS-102	Rules for Classification of Floating Production, Storage and Loading Units
DNV-OS-D101	Marine and Machinery Systems and Equipment
DNV-OS-D201	Electrical Installations
DNV-OS-D202	Automation, Safety, and Telecommunication Systems
DNV-OS-E101	Drilling Plant
DNV-OS-E201	Oil and Gas Processing Systems

103 Non-DNV standards and other verification references as referred to herein are given in Table C2. Only parts referred to in the main text of DNV-OSS-201 are applicable for the verification activity. Latest edition of PSA and NMD regulations shall be used unless otherwise agreed. Below are the valid NMD regulations at time of printing listed.

Table C2 References other than DNV given in this service specification	
Reference	*Title*
PSA	Regulations relating to design and outfitting of facilities etc. in the petroleum activities (the Facilities Regulations), including guidelines and interpretations
PSA	Regulations relating to conduct of activities in the petroleum activities (the Activities Regulations)
NMD No. 123 of 1994-02-10	Regulations for mobile offshore units with production plants and equipment
NMD No.227 of 1984-01-31	Regulations concerning precautionary measures against fire and explosion on mobile offshore units
NMD No.853 of 2007-07-04	Regulations concerning evacuation and lifesaving appliances on mobile offshore units
NMD No.856 of 1987-09-04	Regulations concerning construction of mobile offshore units
NMD No.998 of 2009-07-10	Regulations concerning anchoring/positioning systems on mobile offshore units
NMD No.878 of 1991-12-20	Regulations concerning stability, watertight subdivision and watertight/weathertight closing means on mobile offshore units
NMD No.879 of 1991-12-20	Regulations concerning ballast systems on mobile offshore units
NMD No.1200 of 1993-12-16	Regulations concerning the installation and use of radio equipment on mobile offshore units
NMD No.1239 of 1993-12-22	Regulations concerning risk analyses for mobile offshore units
NMD No.72 of 2008-01-15	Regulations concerning helicopter decks on Mobile Offshore Units
NMD No.2318 of 1986-12-17	Regulations concerning the construction and equipment of living quarters on mobile offshore units
NMD No. 858 of 1987-09-04	Regulations concerning the operation of mobile offshore units
NMD No.854 of 2007-07-04	Regulations concerning deck cranes, etc. on mobile offshore units
NMD No. 859 of 1987-09-04	Regulations concerning protective, environmental, and safety measures on mobile offshore units
NMD No. 860 of 1987-09-04	Regulations concerning potable water systems and potable water supply on mobile offshore units
NMD No. 1331 of 1983-07-22	Regulations of 22 July 1983 no. 1331 concerning the prevention of pollution from the maritime operation of mobile offshore units
API RP 14C	Analysis, design, installation and testing of basic surface safety systems for offshore production platforms
IEC 61508	Functional safety of electri-cal/electronic/programmable electronic safety-related systems
ISO-13628	Design and operation of subsea production systems
ISO 10418	Analysis, design, installation and testing of basic surface safety systems
ISO 13702	Petroleum and natural gas industries. Control and mitigation of fires and explosions on offshore production installations. Requirements and guidelines
NORSOK L-001	Piping and valves
NORSOK L-002	Piping design, layout and stress analysis
M-001	Material selection
M-601	Welding and inspection of piping
NORSOK P-001	Process design
NORSOK P-100	Process systems
R-001	Mechanical Equipment
R-004	Piping and equipment insulation

Table C2 References other than DNV given in this service specification (Continued)	
Reference	*Title*
NORSOK S-001	Technical safety
NORSOK U-001	Subsea production systems
NORSOK T-001	Telecommunication systems
NORSOK T-100	Telecom subsystems
OLF GL70	Guidelines for the Application of IEC 61508 and IEC 61511 in the petroleum activities on the continental shelf
OLF/ NR	Handbook for application for Acknowledgement of Compliance (AoC)
IMO MSC / Circular 645	Guidelines for vessels with dynamic positioning systems
PSA YA-710	Principles for alarm system design

D. Abbreviations

D 100 General

101 The abbreviations given in Table D1 are used in this document.

Table D1 Abbreviations	
Abbreviation	*Full Name*
AoC	Acknowledgement of Compliance
DNV	Det Norske Veritas
EEA	European Economic Area
EU	European Union
IACS	International Association of Classification Societies
IMO	International Maritime Organisation
MOU	Mobile Offshore Unit
NBH	Norwegian Board of Health
NCS	Norwegian Continental Shelf
NMD	Norwegian Maritime Directorate
NR	Norwegian Shipowners' Association (Norges Rederiforbund)
OLF	Norwegian Oil Industry Association
PSA	Petroleum Safety Authority
SFT	Norwegian Pollution Control Authority

SECTION 2
VERIFICATION PRINCIPLES AND CLASS NOTATIONS

A. Verification Principles

A 100 General

101 According to the Norwegian Petroleum Act, the owner is fully responsible for verification activities ensuring that the unit/installation and related operations are in compliance with the applicable regulatory requirements.

102 The owner may utilise internal as well as external verification activities to demonstrate partial or full compliance with his verification obligations. Documentation may include:

— maritime certificates issued by flag state administrations and associated rules and regulations to which the certificates are issued
— classification certificates
— work performed by consultants/technical specialists for the owner/operator resulting typically in verification reports or Statements of Compliance (SoCs).

103 The **N**-notation is issued based on statutory reference regulations and standards valid at the date of contract between Yard and Owner.

Guidance note:

Offshore units will normally be required to document compliance with the latest edition of the PSA regulations and associated reference regulations and standards when applying for AoC from the Norwegian PSA.

---e-n-d---of---G-u-i-d-a-n-c-e---n-o-t-e---

A 200 Regulatory basis

201 The regulatory body on the NCS is the Petroleum Safety Authority (PSA). Requirements for petroleum activities on the NCS are stipulated by PSA together with The Norwegian Pollution Control Authority (SFT) and The Norwegian Board of Health (NBH). The services described in this document are interpreted from or contain reference to the PSA/SFT/NBH joint regulations given in Table A1.

Table A1 PSA Regulations referred to and used under this Service Specification

Formal Regulation Title	*Abbreviation*
Regulations relating to Health, Environment and Safety in the Petroleum Activities	The Framework Regulations
Regulations relating to Management in the Petroleum Activities	The Management Regulations
Regulations relating to Material and Information in the Petroleum Activities	The Information Duty Regulations
Regulations relating to Design and Outfitting of Facilities etc. in the Petroleum Activities	The Facilities Regulations
Regulations relating to Conduct of Activities in the Petroleum Activities	The Activities Regulations

Guidance note:

The latest revision of the applicable standards may be found at http://www.psa.no

---e-n-d---of---G-u-i-d-a-n-c-e---n-o-t-e---

A 300 Regulatory considerations for floating units

301 PSA regulations make a distinction between mobile facilities and other offshore installations with respect to the verification basis which may be applied (refer §3 of PSA Framework Regulations).

302 Mobile facilities are in this context understood as units registered in a national register of shipping, and which follow a maritime operational concept.

Typical examples of such units are:

— drilling units
— well intervention units
— accommodation units
— multi-purpose units
— production and/or storage units following a maritime operational concept.

Guidance note:

In some cases it may be a matter of judgement if the object can be categorised as a "maritime practice" offshore unit according to PSA regulations. It is recommended that the PSA is contacted at an early stage in such projects for principal clarifications.

---e-n-d---of---G-u-i-d-a-n-c-e---n-o-t-e---

A 400 Acknowledgement of Compliance (AoC) and verification basis

401 PSA operate an approval scheme for mobile facilities named "Acknowledgement of Compliance" (AoC). The AoC is an acknowledgement from PSA to the effect that a mobile offshore facility's technical condition and the applicant's organisation and management system are assessed to the best of the PSA's judgement to be in conformity with relevant requirements of Norwegian shelf rules. The AoC scheme is mandatory for all types of mobile facilities except floating storage units.

402 DNV services described in this document may be used by owners to document partial compliance with PSA requirements for an AoC application.

403 Details on the AoC scheme are given in "Handbook for Application for Acknowledgement of Compliance (AoC)", issued by OLF/NR.

Guidance note:

The latest revision of the handbook may be found at http://www.olf.no

---e-n-d---of---G-u-i-d-a-n-c-e---n-o-t-e---

404 The maritime regulations and corresponding class rules that may be applied are to have a safety level minimum corresponding to the latest edition of the NMD *Regulations for Mobile Offshore Units* (NMD Redbook) and supplementary DNV Offshore Class Rules.

405 Petroleum related aspects (e.g. drilling and production plants) shall comply directly with the provisions of the PSA Facilities Regulations, as shall working environment issues.

406 The approach described in A400 has been used as basis for the services described in this document.

B. Class Notations

B 100 General

101 Ch.2 and 3 of this document describes DNV services building on standard class notations which can be used to document partial compliance with verification obligations of the owner as described in A.

Guidance note:

DNV's results and conclusions related to services described in this document are based on DNV's understanding and interpretation of the PSA's regulations, but do no represent any formal approval on behalf of PSA.

Formal compliance with PSA requirements can only be confirmed by the PSA itself. No other authorities or organisations have delegated authority to act on behalf of PSA.

---e-n-d---of---G-u-i-d-a-n-c-e---n-o-t-e---

B 200 Class notations

201 Classed units/installations complying with the requirements of the relevant sections of this document will, after completion of prescribed design verifications and surveys be assigned the additional class notation: **(N)**.

Verification basis applied for the **(N)**-notation will be stated in the "Appendix to Class Certificate".

202 The following **(N)**-notations are currently available:

- **Drilling Unit (N)**
- **Production Unit (N)**
- **Storage Unit (N)**
- **Well Intervention Unit (N)**
- **Accommodation Unit (N)**
- **DRILL (N)**
- **PROD (N)**
- **WELL (N)**.
- **HELDK-SH(N)/-SHF(N)**
- **CRANE(N)**.

C. Classification Principles, Procedure and Legal Provisions

C 100 General

101 The (N)-notations will be issued and maintained based on the following main activities:

— design verification
— certification of materials and components
— survey during construction and installation
— survey during commissioning and start-up
— periodical survey during operation.

102 General principles, procedures and legal provisions for classification applicable for this document are stated in Chapter 1 of the following DNV Offshore Service Specifications:

— DNV-OSS-101 for **Drilling Unit (N)**, **Well Intervention Unit (N)**, **Accommodation Unit (N)**, **DRILL (N)**, **WELL (N)** and **HELDK-SHF(N)**/**-SH(N)**
— DNV-OSS-102 for **Production Unit (N)**, **Storage Unit (N)** and **PROD (N)**.

OFFSHORE SERVICE SPECIFICATION
DNV-OSS-201

VERIFICATION FOR COMPLIANCE WITH
NORWEGIAN SHELF REGULATIONS

CHAPTER 2

DESIGN AND CONSTRUCTION PROVISIONS

CONTENTS PAGE

Sec. 1 Introduction 16
Sec. 2 **Drilling Unit (N)** 17
Sec. 3 **Production** and/or **Storage Unit (N)** 21
Sec. 4 **Well Intervention Unit (N)** 25
Sec. 5 **Accommodation Unit (N)** 29
Sec. 6 **Drill(N)** 33
Sec. 7 **PROD(N)** 35
Sec. 8 **WELL(N)** 37
Sec. 9 **HELDK-SH(N)** / **HELDK-SHF(N)** 39
Sec. 10 **CRANE(N)** 40

DET NORSKE VERITAS AS

SECTION 1
INTRODUCTION

A. General

A 100 General

101 Unless otherwise stated the design and construction requirements given in this chapter are supplementary to the latest edition of relevant DNV Class requirements. For units built to earlier editions of DNV Class Rules or to class rules from another IACS Society, an additional verification of compliance with the DNV Class Rules in force at the time when the **(N)**-notation is sought, shall be carried out in addition to the verification activities described in this chapter (ref. Ch.1 Sec.2 A103).

102 Activities related to issuing the **(N)**-notation shall normally be carried out as an integral part of the activities related to the corresponding class notations to which the **(N)** symbol will be attached.

103 Unless otherwise stated Class procedures, document requirements, extent of certification of materials and components, extent of surveys etc. shall minimum be as required for the corresponding class notations to which the **(N)** symbol will be attached. Generally the documentation requirements and extent of survey will be based on the additional verification basis as listed herein.

SECTION 2
DRILLING UNIT (N)

A. Introduction

A 100 Application

101 The verification methodology described in this section may be applied to mobile offshore drilling units satisfying the following criteria:

— The unit is being classed with DNV with minimum service notation **Drilling Unit**.
— The unit is registered with a national maritime administration.

A 200 Class notations

201 Classed units/installations complying with the relevant requirements of this section may, after completion of design reviews and surveys be assigned the class notation: **Drilling Unit (N)**.

B. Verification Scope

B 100 Supplementary verification basis for Drilling Unit (N)

101 The following SFI areas will be subject to additional design verification and survey as basis for assignment of the **(N)**-notation

Table B1 Verification basis for Drilling Unit (N)

SFI Code	*Area*	*Verification References*	*Notes / Comments*
1	Stability	NMD Stability Regulations	Not applicable for self-elevating units
11	Arrangement	NMD Construction Regulations NMD Living Quarter Regulations NMD Fire Regulations NMD Operation Regulations § 13	PSA interpretation letter of 26.06.2003 applies (enclosed in appendix 1)
	Escape ways	NMD Construction Regulations NMD Living Quarter Regulations	PSA interpretation letter of 26.06.2003 applies (enclosed in appendix 1)
	Hazardous areas	NMD Fire Regulations	NMD refers to regulations concerning maritime electrical installations
2	Hull and Structures	NMD Construction Regulations § 6, 7 and 10, NMD Stability Regulations §22 and §30 (implications of these requirements),	PSA requires that all steel for structural application shall have documented impact toughness properties.
41	Navigation and searching equipment	NMD Construction Regulations	
421	Radio plant	NMD Radio Regulations	
425	Calling systems, command telephone, telephone plants, walkie-talkies, etc.	NMD Fire Regulations NMD Crane Regulations NMD Anchoring Regulations	Specific requirements for alarms systems, see SFI 811
427	Light and signal equipment (lanterns, whistles, etc.)	NMD Construction Regulations	
43	Anchoring, mooring and towing equipment	NMD Anchoring Regulations NMD Production Regulations	Not applicable for self-elevating units
448	Name plates (markings) on machinery, equipment, pipes cables	NMD Protective, environmental	
488	Jacking system, spud tank jetting system for Jack-ups	NMD Construction Regulations	
505	Loose fire fighting apparatuses and equipment, firemen's suit	NMD Fire Regulations	
51	Insulation, panels, bulkheads, doors, side scuttles, windows, skylight	NMD Construction Regulations NMD Living Quarter Regulations NMD Fire Regulations	It is presupposed that requirements concerning watertight integrity and load line will be considered in SFI Area 1.

Table B1 Verification basis for Drilling Unit (N) (Continued)			
SFI Code	*Area*	*Verification References*	*Notes / Comments*
52	Internal deck covering, ladders, steps, railings etc.	NMD Construction Regulations NMD Living quarter Regulations	
53	External deck covering, steps, ladders etc., fore-and-aft gangway	NMD Construction Regulations	
57	Ventilation, air-conditioning and heating system	NMD Fire Regulations	
66	Aggregates and generators for emergency power productions	NMD Construction Regulations	
76	Distilled and make-up water systems	NMD Potable Water Regulations	
79	Automation systems for machinery	NMD Ballast Regulations NMD Stability Regulations NMD Fire Regulations NMD Risk analyses Regulations §22	
80	Ballast and bilge systems, gutter pipes outside accommodation	NMD Ballast Regulations NMD Pollution Regulations	Not applicable for self-elevating units
810	Fire detection, fire and lifeboat alarm systems	NMD Fire Regulations	except specific requirements to sound and light alarms.
811	Fire detection, fire and lifeboat alarm systems	NMD Fire Regulations	
812	Emergency shut down system	NMD Fire Regulations	Yes for the drilling unit part, “no” for process plant (well testing facilities shall be considered as a process for a drilling unit)
813 to 819	Fire/wash down systems, emergency fire pumps, general service pumps, Fire fighting systems for external fires, Fire fighting systems with CO_2 and Halon gases	NMD Fire Regulations	
82	Air and sounding systems from tank to deck	NMD Ballast Regulations	
85	Electrical systems general part*	DNV-OS-D201	Refer to acknowledgement from PSA stating acceptance of use of DNV-OS-D201 in lieu of NMD
86	Electrical power supply*	DNV-OS-D201	Refer to SFI85

Table B1 Verification basis for Drilling Unit (N) (Continued)

SFI Code	*Area*	*Verification References*	*Notes / Comments*
87	Electrical distribution common systems*	DNV-OS-D201	Refer to SFI85 Refer to SFI Group 408 for dynamically positioned units
88	Electrical cable installation*	DNV-OS-D201	Refer to SFI85 Refer to SFI Group 408 for dynamically positioned units
89	Electrical consumers (lighting etc.)*	DNV-OS-D201	Refer to SFI85

* Where an asterix is used this denominates a deviation from the AoC handbook revision 3

Notes:

— The table is based on the "Handbook for Application for Acknowledgement of Compliance (AoC)", enclosure D.
— The verification references in this table apply in addition to the class requirements for the class notation Drilling Unit.
— All references to NMD relates to the technical requirements in these regulations to satisfy PSA requirements, and not a full compliance for achieving Norwegian flag.

The following items covered by AoC are not included in this **(N)**-notation:

— Dynamic positioning plant (SFI 408)
— machine tools, cutting and welding equipment (SFI 441 to 447)
— lifting and transport equipment for machinery components (SFI 45)
— life saving equipment (SFI 422, 501 to 503)
— medical and dental equipment, medicines and first aid equipment (SFI 504)
— furniture, inventory and entertainment equipment (SFI 54)
— galley and pantry equipment, arrangement for provisions, ironing/drying equipment (SFI 55)
— personnel lifts, escalators (SFI 561)
— deck cranes (SFI 563)
— helicopter decks (SFI 566)
— winterisation and arctic operation issues
— working environment issues
— compliance with EU-directives and European law
— owner's management systems.

B 200 Limitations

201 The following aspects subject to PSA requirements are not included in the **(N)**-notation in addition to the limitations from the AoC handbook as given in Table B1:

— emergency preparedness
— owner's management system for activities onboard as well as ashore
— development of risk analyses
— prevention of harmful effects of tobacco
— worker protection and working environment issues (including noise, room acoustics, vibration, lighting, indoor climate, radiation, ergonomic aspects)
— protection against pollution
— drilling plant (can be covered through DRILL (N), see Sec.6)
— cranes and lifting appliances
— welding central
— radioactive sources
— potable water (regarding water quality)
— operational requirements.

Guidance note:

NCS regulatory items not included in the **(N)**-notations as listed in 301 may be covered through separate verification services by DNV. A "Statement of Compliance" will be issued following completion of such services.

DNV is Notified Body for all relevant EU-directives, and may offer CE-marking services on a world-wide basis.

---e-n-d---of---G-u-i-d-a-n-c-e---n-o-t-e---

202 The verification will only be related to safety aspects of the applicable standards, rules and regulations.

C. Procedures for Verification

C 100 Design verification and certification of materials and components

101 Extent of documentation and certification of materials and components shall be according to DNV-OSS-101 and accompanying Offshore Standards for the specific disciplines.

C 200 Survey during construction, installation and commissioning

201 Survey during construction, installation and commissioning shall be carried out according to DNV-OSS-101 and accompanying Offshore Standards for the specific disciplines.

SECTION 3
PRODUCTION AND/OR STORAGE UNIT (N)

A. Introduction

A 100 Application

101 The verification methodology described in this section may be applied to mobile offshore units satisfying the following criteria:

— The unit is being classed with DNV with minimum service notation **Production and/or Storage Unit**
— The unit is registered with a national maritime administration.

A 200 Class notations

201 Classed units/installations complying with the relevant requirements of this section may, after completion of design reviews and surveys be assigned class notations:

— **Production Unit (N)**
— **Storage Unit (N)**
— **Production and Storage Unit (N)**.

B. Verification Scope

B 100 Supplementary verification basis for Production and/or Storage Unit (N)

101 The following SFI areas will be subject to additional design verification and survey as basis for assignment of the **(N)**-notation:

Table B1 Verification basis for Production Unit (N)

SFI Code	*Area*	*Verification Reference*	*Notes / Comments*
1	Stability	NMD Stability Regulations NMD Production Plant Regulations §17, 2-3	Not applicable for self-elevating units
11	Arrangement	NMD Construction Regulations NMD Living Quarter Regulations NMD Fire Regulations NMD Operation Regulations § 13	PSA interpretation letter of 26.06.2003 enclosed in appendix 1
	Escape ways	NMD Construction Regulations NMD Living Quarter Regulations	PSA interpretation letter of 26.06.2003 enclosed in appendix 1
	Winterisation	NMD Construction Regulations	
	Hazardous areas	NMD Fire Regulations	NMD refer to regulations concerning maritime electrical installations
2	Hull and Structures	NMD Construction Regulations § 6, 7 and 10, NMD Stability Regulations §22 and §30 (implications of these requirements),	PSA requires that all steel for structural application shall have documented impact toughness properties.
41	Navigation and searching equipment	NMD Constructions Regulations	
421	Radio plant	NMD Radio Regulations	
425	Calling systems, command telephone, telephone plants, walkie-talkies, etc.	NMD Fire Regulations NMD Cranes Regulations NMD Anchoring Regulations	Specific requirements for alarms systems, see SFI 811
427	Light and signal equipment (lanterns, whistles, etc.)	NMD Construction Regulations	
43	Anchoring, mooring and towing equipment	NMD Anchoring Regulations NMD Production Plant Regulations	Not applicable for self-elevating units
448	Name plates (markings) on machinery, equipment, pipes cables	NMD Protective, environmental	
46	VOC/blanket gas system	NMD Production Plant Regulations	

Table B1 Verification basis for Production Unit (N) (Continued)

SFI Code	*Area*	*Verification Reference*	*Notes / Comments*
488	Jacking system, spud tank jetting system for Jack-ups	NMD Construction regulations	
505	Loose fire fighting apparatuses and equipment, firemen's suit	NMD Fire Regulations	
51	Insulation, panels, bulkheads, doors, side scuttles, windows, skylight	NMD Construction Regulations NMD Living Quarter Regulations NMD Fire Regulations	It is presupposed that requirements concerning watertight integrity and load line will be considered in SFI Area 1.
52	Internal deck covering, ladders, steps, railings etc.	NMD Construction Regulations NMD Living Quarter Regulations	
53	External deck covering, steps, ladders etc., fore-and-aft gangway	NMD Construction Regulations	
57	Ventilation, air-conditioning and heating system	NMD Fire Regulations	
66	Aggregates and generators for emergency power productions	NMD Construction Regulations NMD Production Plant Regulations	
76	Distilled and make-up water systems	NMD Potable Water Regulations	
79	Automation systems for machinery	NMD Ballast Regulations NMD Stability Regulations NMD Fire Regulations NMD Risk Analyses Regulations §22	
80	Ballast and bilge systems, gutter pipes outside accommodation	NMD Ballast Regulations NMD Pollution Regulations	Not applicable for self-elevating units
810	Fire detection, fire and lifeboat alarm systems	PSA Facilities Regulations Sec. 31 + guidelines NORSOK S-001 Ch.12 and 13	Except specific requirements to sound and light alarms.
811	Fire detection, fire and lifeboat alarm systems	PSA Facilities Regulations Sec. 17 including guidelines - NORSOK S-001 Ch. 9.5 - NORSOK T-001 - NORSOK T-100	
812	Emergency shut down system	PSA Facilities Regulations Sec. 32 including guidelines - ISO 13702 Ch. 6 and 7, App. B.2 and B.3 - NORSOK S-001 Ch. 9.3	
813 to 819	Fire/wash down systems, emergency fire pumps, general service pumps, Fire fighting systems for external fires, Fire fighting systems with CO_2 and Halon gases	The Facilities Regulations Sec. 35 and Sec. 36 + guidelines ISO 13702 Ch. 11 and App. B.8 NORSOK S-001 Ch.10.7, 10.8.1 and App.H.	
82	Air and sounding systems from tank to deck	NMD Ballast Regulations	
85	Electrical systems general part*	DNV-OS-D201 / Facilities regulation	Refer to acknowledgement from PSA stating acceptance of use of DNV-OS-D201 in lieu of NMD. This is interpreted to be valid for marine systems but not for process plant, which is directly under facilities regulation.
86	Electrical power supply*	DNV-OS-D201 / Facilities regulation	Refer to SFI 85

Table B1 Verification basis for Production Unit (N) (Continued)

SFI Code	*Area*	*Verification Reference*	*Notes / Comments*
87	Electrical distribution common systems*	DNV-OS-D201 / Facilities regulation	Refer to SFI 85 Note: Refer to SFI Group 408 for dynamically positioned units
88	Electrical cable installation*	DNV-OS-D201 / Facilities regulation	Refer to SFI 85 Note: Refer to SFI Group 408 for dynamically positioned units
89	Electrical consumers (lighting etc.)*	DNV-OS-D201 / Facilities regulation	Refer to SFI 85

* Where an asterix is used this denominates a deviation from the AoC handbook revision 3

Notes:

— The table is based on the "Handbook for Application for Acknowledgement of Compliance (AoC)", enclosure D.
— The verification references in this table apply in addition to the class requirements for the class notation **Production Unit**.
— All references to NMD relates to the technical requirements in these regulations to satisfy PSA requirements, and not a full compliance for achieving Norwegian flag.

The following items covered by AoC are not included in this **(N)**-notation:

— dynamic positioning plant (SFI 408)
— machine tools, cutting and welding equipment (SFI 441 to 447)
— lifting and transport equipment for machinery components (SFI 45)
— life saving equipment (SFI 422, 501 to 503)
— medical and dental equipment, medicines and first aid equipment (SFI 504)
— furniture, inventory and entertainment equipment (SFI 54)
— galley and pantry equipment, arrangement for provisions, ironing/drying equipment (SFI 55)
— personnel lifts, escalators (SFI 561)
— deck cranes (SFI 563)
— helicopter decks (SFI 566)
— winterisation and arctic operation issues
— working environment issues
— compliance with EU-directives and European law
— owner's management systems.

B 200 Limitations

201 The following aspects subject to PSA requirements are not included in the **(N)**-notation in addition to the limitations to the AoC handbook as given in Table B1:

— emergency preparedness
— owner's management system for activities onboard as well as ashore
— development of risk analyses
— prevention of harmful effects of tobacco
— worker protection and working environment issues (including noise, room acoustics, vibration, lighting, indoor climate, radiation, ergonomic aspects)
— protection against pollution
— production plant (can be covered through PROD (N), see Sec.7)
— cranes and lifting appliances
— welding central
— radioactive sources
— potable water (regarding water quality)
— operational requirements.

Guidance note:

NCS regulatory items not included in the **(N)**-notations as listed in 301 may be covered through separate verification services by DNV. A "Statement of Compliance" will be issued following completion of such services.

DNV is Notified Body for all relevant EU-directives, and may offer CE-marking services on a world-wide basis.

---e-n-d---of---G-u-i-d-a-n-c-e---n-o-t-e---

202 The verification will only be related to safety aspects of the applicable standards, rules and regulations.

C. Procedures for Verification

C 100 Design verification and certification of materials and components

101 Extent of documentation and certification of materials and components shall be according to DNV-OSS-102 and accompanying Offshore Standards for the specific disciplines.

C 200 Survey during construction, installation and commissioning

201 Survey during construction, installation and commissioning shall be carried out according to DNV-OSS-102 and accompanying Offshore Standards for the specific disciplines.

SECTION 4
WELL INTERVENTION UNIT (N)

A. Introduction

A 100 Application

101 The verification methodology described in this section may be applied to mobile offshore units satisfying the following criteria:

— The unit is being classed with DNV with service notation **Well Intervention Unit**.
— The unit is registered with a national maritime administration (has flag).

A 200 Class notations

201 Classed units/installations complying with the relevant requirements of this section may, after completion of design reviews and surveys be assigned the class notation: **Well Intervention Unit (N)**.

B. Verification Scope

B 100 Supplementary verification basis for Well Intervention Unit (N)

101 The following SFI areas will be subject to additional design verification and survey as basis for assignment of the **(N)**-notation

Table B1 Verification basis for Well Intervention Unit (N)

SFI Code	*Area*	*Verification Reference*	*Notes / Comments*
1	Stability	NMD Stability Regulations	Not applicable for self-elevating units
11	Arrangement	NMD Construction Regulations NMD Living Quarter Regulations NMD Fire Regulations NMD Operation Regulations § 13	PSA interpretation letter of 26.06.2003 enclosed in appendix 1
	Escape ways	NMD Construction Regulations NMD Living Quarter Regulations	PSA interpretation letter of 26.06.2003 enclosed in appendix 1
	Hazardous areas	NMD Fire Regulations	NMD refer to regulations concerning maritime electrical installations
2	Hull and Structures	NMD Construction Regulations § 6, 7 and 10, NMD Stability Regulations §22 and §30 (implications of these requirements),	PSA requires that all steel for structural application shall have documented impact toughness properties.
41	Navigation and searching equipment	NMD Constructions Regulations	
421	Radio plant	NMD Radio Regulations	
425	Calling systems, command telephone, telephone plants, walkie-talkies, etc.	NMD Fire Regulations NMD Cranes Regulations NMD Anchoring Regulations	Specific requirements for alarms systems, see SFI 811
427	Light and signal equipment (lanterns, whistles, etc.)	NMD Construction Regulations	
43	Anchoring, mooring and towing equipment	NMD Anchoring Regulations NMD Production Plant Regulations	Not applicable for self-elevating units
448	Name plates (markings) on machinery, equipment, pipes cables	NMD Protective, environmental	
488	Jacking system, spud tank jetting system for Jack-ups	NMD Construction regulations	
505	Loose fire fighting apparatuses and equipment, firemen's suit	NMD Fire Regulations	
51	Insulation, panels, bulkheads, doors, side scuttles, windows, skylight	NMD Construction Regulations NMD Living Quarter Regulations NMD Fire Regulations	It is presupposed that requirements concerning watertight integrity and load line will be considered in SFI Area 1.

Table B1 Verification basis for Well Intervention Unit (N) (Continued)			
SFI Code	*Area*	*Verification Reference*	*Notes / Comments*
52	Internal deck covering, ladders, steps, railings etc.	NMD Construction Regulations NMD Living Quarter Regulations	
53	External deck covering, steps, ladders weakly, fore-and-aft gangway	NMD Construction Regulations	
57	Ventilation, air-conditioning and heating system	NMD Fire Regulations	
66	Aggregates and generators for emergency power productions	NMD Construction Regulations	
76	Distilled and make-up water systems	NMD Potable Water Regulations	
79	Automation systems for machinery	NMD Ballast Regulations NMD Stability Regulations NMD Fire Regulations NMD Risk Analyses Regulations §22	
80	Ballast and bilge systems, gutter pipes outside accommodation	NMD Ballast Regulations NMD Pollution Regulations	Not applicable for self-elevating units
810	Fire detection, fire and lifeboat alarm systems	NMD Fire Regulations	except specific requirements to sound and light alarms.
811	Fire detection, fire and lifeboat alarm systems	NMD Fire Regulations	
812	Emergency shut down system	NMD Fire Regulations	Yes for the drilling unit part, “no” for process plant (well testing facilities shall be considered as a process for a drilling unit)
813 to 819	Fire/wash down systems, emergency fire pumps, general service pumps, Fire fighting systems for external fires, Fire fighting systems with CO_2 and Halon gases	NMD Fire Regulations	
82	Air and sounding systems from tank to deck	NMD Ballast Regulations	
85	Electrical systems general part*	DNV-OS-D201	Refer to acknowledgement from PSA stating acceptance of use of DNV-OS-D201 in lieu of NMD
86	Electrical power supply*	DNV-OS-D201	Refer to SFI 85

Table B1 Verification basis for Well Intervention Unit (N) (Continued)

SFI Code	*Area*	*Verification Reference*	*Notes / Comments*
87	Electrical distribution common systems*	DNV-OS-D201	Refer to SFI 85 Note: Refer to SFI Group 408 for dynamically positioned units
88	Electrical cable installation*	DNV-OS-D201	Refer to SFI 85 Note: Refer to SFI Group 408 for dynamically positioned units
89	Electrical consumers (lighting etc.)*	DNV-OS-D201	Refer to SFI 85

* Where an asterix is used this denominates a deviation from the AoC handbook revision 3

Notes:

— The table is based on the "Handbook for Application for Acknowledgement of Compliance (AoC)", enclosure D.
— The verification references in this table apply in addition to the class requirements for the class notation **Well Intervention Unit.**
— All references to NMD relates to the technical requirements in these regulations to satisfy PSA requirements, and not a full compliance for achieving Norwegian flag.

The following items covered by AoC are not included in this **(N)**-notation:

— dynamic positioning plant (SFI 408)
— machine tools, cutting and welding equipment (SFI 441 to 447)
— lifting and transport equipment for machinery components (SFI 45)
— life saving equipment (SFI 422, 501 to 503)
— medical and dental equipment, medicines and first aid equipment (SFI 504)
— furniture, inventory and entertainment equipment (SFI 54)
— galley and pantry equipment, arrangement for provisions, ironing/drying equipment (SFI 55)
— personnel lifts, escalators (SFI 561)
— deck cranes (SFI 563)
— helicopter decks (SFI 566)
— winterisation and arctic operation issues
— working environment issues
— compliance with EU-directives and European law
— owner's management systems.

B 200 Limitations

201 The following aspects subject to PSA requirements are not included in the **(N)**-notation in addition to the limitations to the AoC handbook as given in Table B1:

— emergency preparedness
— owner's management system for activities onboard as well as ashore
— development of risk analyses
— prevention of harmful effects of tobacco
— worker protection and working environment issues (including noise, room acoustics, vibration, lighting, indoor climate, radiation, ergonomic aspects)
— protection against pollution
— cranes and lifting appliances
— welding central
— radioactive sources
— potable water (regarding water quality)
— operational requirements.

Guidance note:

NCS regulatory items not included in the **(N)**-notations as listed in 301 may be covered through separate verification services by DNV. A "Statement of Compliance" will be issued following completion of such services.

DNV is Notified Body for all relevant EU-directives, and may offer CE-marking services on a world-wide basis.

---e-n-d---of---G-u-i-d-a-n-c-e---n-o-t-e---

202 The verification will only be related to safety aspects of the applicable standards, rules and regulations.

C. Procedures for Verification

C 100 Design verification and certification of materials and components

101 Extent of documentation and certification of materials and components shall be according to DNV-OSS-101 and accompanying Offshore Standards for the specific disciplines.

C 200 Survey during construction, installation and commissioning

201 Survey during construction, installation and commissioning shall be carried out according to DNV-OSS-101 and accompanying Offshore Standards for the specific disciplines.

SECTION 5
ACCOMMODATION UNIT (N)

A. Introduction

A 100 Application

101 The verification methodology described in this section may be applied to mobile offshore units satisfying the following criteria:

— The unit is being classed with DNV with service notation **Accommodation Unit**.
— The unit is registered with a national maritime administration (flagged).

A 200 Class notations

201 Classed units/installations complying with the relevant requirements of this section may, after completion of design reviews and surveys be assigned the class notation: **Accommodation Unit (N)**.

B. Verification Scope

B 100 Supplementary verification basis for Accommodation Unit (N)

101 The following SFI areas will be subject to additional design verification and survey as basis for assignment of the **(N)**-notation

Table B1 Verification basis for Accommodation Unit (N)

SFI Code	*Area*	*Verification Reference*	*Notes / Comments*
1	Stability	NMD Stability Regulations	Not applicable for self-elevating units
11	Arrangement	NMD Construction Regulations NMD Living Quarter Regulations NMD Fire Regulations NMD Operation Regulations § 13	PSA interpretation letter of 26.06.2003 enclosed in appendix 1
	Escape ways	NMD Construction Regulations NMD Living Quarter Regulations	PSA interpretation letter of 26.06.2003 enclosed in appendix 1
	Hazardous areas	NMD Fire Regulations	NMD refer to regulations concerning maritime electrical installations
2	Hull and Structures	NMD Construction Regulations § 6, 7 and 10, NMD Stability Regulations §22 and §30 (implications of these requirements),	PSA requires that all steel for structural application shall have documented impact toughness properties.
41	Navigation and searching equipment	NMD Constructions Regulations	
421	Radio plant	NMD Radio Regulations	
425	Calling systems, command telephone, telephone plants, walkie-talkies, etc.	NMD Fire Regulations NMD Cranes Regulations NMD Anchoring Regulations	Specific requirements for alarms systems, see SFI 811
427	Light and signal equipment (lanterns, whistles, etc.)	NMD Construction Regulations	
43	Anchoring, mooring and towing equipment	NMD Anchoring Regulations NMD Production Plant Regulations	Not applicable for self-elevating units
448	Name plates (markings) on machinery, equipment, pipes cables	NMD Protective, environmental	
488	Jacking system, spud tank jetting system for Jack-ups	NMD Construction regulations	
505	Loose fire fighting apparatuses and equipment, firemen's suit	NMD Fire Regulations	
51	Insulation, panels, bulkheads, doors, side scuttles, windows, skylight	NMD Construction Regulations NMD Living Quarter Regulations NMD Fire Regulations	It is presupposed that requirements concerning watertight integrity and load line will be considered in SFI Area 1.

Table B1 Verification basis for Accommodation Unit (N) (Continued)			
SFI Code	*Area*	*Verification Reference*	*Notes / Comments*
52	Internal deck covering, ladders, steps, railings etc.	NMD Construction Regulations NMD Living Quarter Regulations	
53	External deck covering, steps, ladders etc., fore-and-aft gangway	NMD Construction Regulations	
57	Ventilation, air-conditioning and heating system	NMD Fire Regulations	
66	Aggregates and generators for emergency power productions	NMD Construction Regulations	
76	Distilled and make-up water systems	NMD Potable Water Regulations	
79	Automation systems for machinery	NMD Ballast Regulations NMD Stability Regulations NMD Fire Regulations NMD Risk Analyses Regulations §22	
80	Ballast and bilge systems, gutter pipes outside accommodation	NMD Ballast Regulations NMD Pollution Regulations	Not applicable for self-elevating units
810	Fire detection, fire and lifeboat alarm systems	NMD Fire Regulations	except specific requirements to sound and light alarms.
811	Fire detection, fire and lifeboat alarm systems	NMD Fire Regulations	
812	Emergency shut down system	NMD Fire Regulations	Yes for the drilling unit part, “no” for process plant (well testing facilities shall be considered as a process for a drilling unit)
813 to 819	Fire/wash down systems, emergency fire pumps, general service pumps, Fire fighting systems for external fires, Fire fighting systems with CO_2 and Halon gases	NMD Fire Regulations	
82	Air and sounding systems from tank to deck	NMD Ballast Regulations	
85	Electrical systems general part*	DNV-OS-D201	Refer to acknowledgement from PSA stating acceptance of use of DNV-OS-D201 in lieu of NMD
86	Electrical power supply*	DNV-OS-D201	Refer to SFI 85

Table B1 Verification basis for Accommodation Unit (N) (Continued)

SFI Code	*Area*	*Verification Reference*	*Notes / Comments*
87	Electrical distribution common systems*	DNV-OS-D201	Refer to SFI 85 Note: Refer to SFI Group 408 for dynamically positioned units
88	Electrical cable installation*	DNV-OS-D201	Refer to SFI 85 Note: Refer to SFI Group 408 for dynamically positioned units
89	Electrical consumers (lighting etc.)*	DNV-OS-D201	Refer to SFI 85

* Where an asterix is used this denominates a deviation from the AoC handbook revision 3

Notes:

— The table is based on the "Handbook for Application for Acknowledgement of Compliance (AoC)", enclosure D.
— The verification references in this table apply in addition to the class requirements for the class notation **Accommodation Unit**.
— All references to NMD relates to the technical requirements in these regulations to satisfy PSA requirements, and not a full compliance for achieving Norwegian flag.

The following items covered by AoC are not included in this **(N)**-notation:

— dynamic positioning plant (SFI 408)
— machine tools, cutting and welding equipment (SFI 441 to 447)
— lifting and transport equipment for machinery components (SFI 45)
— life safing equipment (SFI 422, 501 to 503)
— medical and dental equipment, medicines and first aid equipment (SFI 504)
— furniture, inventory and entertainment equipment (SFI 54)
— galley and pantry equipment, arrangement for provisions, ironing/drying equipment (SFI 55)
— personnel lifts, escalators (SFI 561)
— deck cranes (SFI 563)
— helicopter decks (SFI 566)
— winterisation and arctic operation issues
— working environment issues
— compliance with EU-directives and European law
— owner's management systems.

B 200 Limitations

201 The following aspects subject to PSA requirements are not included in the **(N)**-notation in addition to the limitations to the AoC handbook as given in Table B1:

— emergency preparedness
— owner's management system for activities onboard as well as ashore
— development of risk analyses
— prevention of harmful effects of tobacco
— worker protection and working environment issues (including noise, room acoustics, vibration, lighting, indoor climate, radiation, ergonomic aspects)
— protection against pollution
— cranes and lifting appliances
— welding central
— radioactive sources
— potable water (regarding water quality)
— operational requirements.

Guidance note:

NCS regulatory items not included in the **(N)**-notations as listed in 301 may be covered through separate verification services by DNV. A "Statement of Compliance" will be issued following completion of such services.

DNV is Notified Body for all relevant EU-directives, and may offer CE-marking services on a world-wide basis.

---e-n-d---of---G-u-i-d-a-n-c-e---n-o-t-e---

202 The verification will only be related to safety aspects of the applicable standards, rules and regulations.

C. Procedures for Verification

C 100 Design verification and certification of materials and components

101 Extent of documentation and certification of materials and components shall be according to DNV-OSS-101 and accompanying Offshore Standards for the specific disciplines.

C 200 Survey during construction, installation and commissioning

201 Survey during construction, installation and commissioning shall be carried out according to DNV-OSS-101 and accompanying Offshore Standards for the specific disciplines.

SECTION 6
DRILL(N)

A. Introduction

A 100 Application

101 The verification methodology described in this section may be applied to drilling plants on mobile offshore units being classed with DNV with minimum class notations **Drilling Unit** and **DRILL**.

Guidance note:

DNV recommend that the unit has **Drilling Unit (N)**-notation in order to minimize challenges on interfaces between drilling plant and vessel.

---e-n-d---of---G-u-i-d-a-n-c-e---n-o-t-e---

A 200 Class notations

201 Units equipped with drilling plants which have been designed, constructed and installed in accordance with the requirements of this section under the supervision of DNV will be entitled to the class notation **DRILL (N)**.

202 DNV may accept decisions by national authorities as basis for assigning class notation **(N)**.

B. Verification Scope

B 100 General

101 Drilling systems and equipment for use on the Norwegian Continental Shelf shall comply with the provisions given in the PSA regulations and referred standards in the corresponding PSA guidelines.

102 DNV-OS-E101 (the technical basis for class notation **DRILL**) is listed in PSA regulations as an acceptable reference standard for drilling plants on mobile facilities registered in a national ship register.

B 200 Supplementary verification for DRILL(N)

201 In addition to complying with DNV-OS-E101 the following regulations shall be complied with for **DRILL(N)**-notation:

— PSA Facilities Regulations with Guidelines, Chapter IV-I.

Table B1 Verification basis for DRILL(N)

SFI Code	*Area*	*Verification Reference*	*Notes / Comments*
30A	Derrick with components	PSA Facilities Regulations Sec. 9 and Sec.10 including guidelines DNV Offshore Standard DNV-OS-E101	
31A	Drill floor equipment and systems	PSA Facilities Regulations Sec. 9 and Sec. 55, including guidelines The Activities Regulations Sec. 80 including guidelines DNV Offshore Standard DNV-OS-E101	
32A	Bulk and mud systems	PSA Facilities Regulations Sec. 9, Sec. 50, Sec. 51, including guidelines DNV Offshore Standard DNV-OS-E101	
33A	Well control equipment and systems	PSA Facilities Regulations Sec. 9, Sec. 47, Sec. 48, Sec. 49, including guidelines DNV Offshore Standard DNV-OS-E101	
34A	Pipe handling equipment and systems	PSA Facilities Regulations Sec. 9, Sec. 55, including guidelines The Activities Regulations Sec. 80, including guidelines DNV Offshore Standard DNV-OS-E101	
35A	Drill string and downhole equipment and systems	PSA Facilities Regulations Sec. 9, Sec. 53, including guidelines DNV Offshore Standard DNV-OS-E101	
35A	Drill string and downhole equipment and systems	PSA Facilities Regulations Sec. 9, Sec. 53, including guidelines DNV Offshore Standard DNV-OS-E101	
36A	Material handling equipment and systems	The Facilities Regulations Sec. 9,Sec. 55, including guidelines The Activities Regulations Sec. 80, including guidelines DNV Offshore Standard DNV-OS-E101	

Table B1 Verification basis for DRILL(N) (Continued)

SFI Code	*Area*	*Verification Reference*	*Notes / Comments*
37A	Service equipment and systems	PSA Facilities Regulations Sec. 9, Sec. 53 including guidelines DNV Offshore Standard DNV-OS-E101	
38A	Miscellaneous equipment, systems and services	PSA Facilities Regulations Sec. 9, Sec. 53 including guidelines DNV Offshore Standard DNV-OS-E101	
39A	Marine riser, Riser Compensator and Drillstring	PSA Facilities Regulations Sec. 9, Sec. 49 including guidelines DNV Offshore Standard DNV-OS-E101	

Notes:

— The table is based on the "Handbook for Application for Acknowledgement of Compliance (AoC)", enclosure D
— The verification references in this table apply in addition to the class requirements for the class notation **DRILL**

The following items covered by AoC are not included in **(N)**-notation:

— Winterisation and arctic operation issues
— Working environment issues
— Compliance with EU-directives and European law
— Owner's management systems.

B 300 Limitations

301 The following aspects subject to PSA requirements are not included in the **DRILL(N)**-notation in addition to the limitations to the AoC handbook as given in Table B1:

— regularity and reliability issues
— development of risk analyses
— worker protection and working environment issues (including noise, vibration, radiation, ergonomic aspects)
— protection against pollution
— operational requirements.

Guidance note:

NCS regulatory items not included in the **(N)**-notations as listed in 301 may be covered through separate verification services by DNV. A "Statement of Compliance" will be issued following completion of such services.

DNV is Notified Body for all relevant EU-directives, and may offer CE-marking services on a world-wide basis.

---e-n-d---of---G-u-i-d-a-n-c-e---n-o-t-e---

302 The verification will only be related to safety aspects of the applicable standards, rules and regulations.

C. Procedures for Verification

C 100 Design verification and certification of materials and components

101 Extent of documentation and certification of materials and components shall be according to DNV-OS-E101

C 200 Survey during construction, installation and commissioning

201 Survey during construction, installation and commissioning shall be carried out according to DNV-OS-E101.

SECTION 7
PROD(N)

A. Introduction

A 100 Application

101 The verification methodology described in this section may be applied to production plants on mobile offshore units being classed with DNV with service notation **Production Unit**.

Guidance note:

DNV recommend that the unit has **Production Unit(N)**-notation in order to minimize challenges on interfaces between production plant and vessel.

---e-n-d---of---G-u-i-d-a-n-c-e---n-o-t-e---

A 200 Class notations

201 Units equipped with production plants complying with the requirements of this section may, after completion of design reviews and surveys be assigned the class notation: **PROD(N)**.

202 DNV may accept decisions by national authorities as basis for assigning class notation **(N)**.

B. Verification Scope

B 100 General

101 Production systems and equipment for use on the Norwegian Continental Shelf shall comply directly with the provisions given in the PSA regulations and referred standards in the corresponding PSA guidelines.

B 200 Supplementary verification for PROD(N)

201 The following SFI areas will be subject to additional design verification and survey as basis for assignment of the **(N)**-notation

Table B1 Verification basis for PROD(N)

SFI Code	*Area*	*Verification Reference*	*Notes / Comments*
301B	Inlet from risers, manifolds, swivel etc. (field specific conditions)	PSA Facilities Regulations including guidelines Sec. 9, Sec. 10, Sec. 11, Sec. 56 NORSOK: S-001, L-001, L-002, P-001, P-100, R-004, M-001, M-601 ISO: 13702	
302B	Separation Equipment (including water treatment)	PSA Facilities Regulations including guidelines Sec. 9, Sec. 10, Sec. 11, Sec. 56 NORSOK: S-001, L-001, L-002, P-001, P-100, R-004, M-001, M-601, R-001 ISO: 13702	
303B	Compression Equipment	PSA Facilities Regulations including guidelines Secs. 9, 10, 11, 23, 56 NORSOK: S-001, L-001, L-002, P-001, P-100, R-004, M-001, M-601, R-001 ISO: 13702	
304B	Water Injection equipment	PSA Facilities Regulations including guidelines Sec. 9, Sec. 10, Sec. 11, Sec. 56 NORSOK: S-001, L-001, L-002, P-001, P-100, R-004, M-001, M-601 ISO: 13702	
31B	Auxiliary Equipment, Dedicated Process Equipment	PSA Facilities Regulations including guidelines Sec. 9, Sec. 10, Sec. 11, Sec. 56 NORSOK: S-001, L-001, L-002, P-001, P-100, R-004, M-001, M-601 ISO: 13702	
32B	Chemicals Equipment	PSA Facilities Regulations including guidelines Secs.9, 10, 11, 14, 56 NORSOK: S-001, L-001, L-002, P-001, P-100, R-004, M-001, M-601 ISO: 13702	
331B	Process Shut Down (PSD)	The Facilities Regulations including guidelines Sec.7, Sec. 20, Sec.33 NORSOK: S-001 ISO: 13702, 10418 (API RP 14C) IEC: 61508, OLF: Guideline 70 PSA: YA-710	

Table B1 Verification basis for PROD(N) (Continued)

SFI Code	*Area*	*Verification Reference*	*Notes / Comments*
332B	Emergency Shut Down (ESD)	The Facilities Regulations including guidelines Sec.7, Sec. 20, Sec. 32 NORSOK: S-001, L-001, L-002, P-001, P-100, R-004, M-001, M-601 ISO: 13702	
333B	De-pressurisation, Safety Valves, Corresponding Flare System	The Facilities Regulations including guidelines Sec.7, Sec. 20, Sec. 32 NORSOK: S-001, L-001, L-002, P-001, P-100, R-004, M-001, M-601 ISO: 13702	
334B	Open Drain for Process Facility	The Facilities Regulations including guidelines Sec.7, Sec. 9, Sec. 39 NORSOK: S-001, L-001, P-001 ISO: 13702	
34B	Load bearing Structure for Process Equipment	The Facilities Regulations including guidelines Sec.4, Sec. 10, Sec. 11, Sec. 57 DNV-OS- B101, C101	
36B	Offloading equipment	The Facilities Regulations including guidelines Sec.9, Sec. 67 NORSOK L-001 and L-002	
37B	Metering for oil & gas export/-injection, combustion gas, flaring of gas etc.	The Facilities Regulations including guidelines Sec.9, Sec. 16 The Management Regulation including guidelines Sec. 18	

Notes:

— The table is based on the "Handbook for Application for Acknowledgement of Compliance (AoC)", enclosure D.

The following items covered by AoC are not included in **(N)**-notation:

— winterisation and arctic operation issues
— working environment issues
— compliance with EU-directives and European law
— owner's management systems.

B 300 Limitations

301 The following aspects subject to PSA requirements are not included in the **(N)**-notation in addition to the limitations to the AoC handbook as given in Table B1:

— regularity and reliability issues
— development of risk analyses
— worker protection and working environment issues (including noise, vibration, radiation, ergonomic aspects)
— protection against pollution
— operational requirements.

Guidance note:

NCS regulatory items not included in the **(N)**-notations as listed in 301 may be covered through separate verification services by DNV. A "Statement of Compliance" will be issued following completion of such services.

DNV is Notified Body for all relevant EU-directives, and may offer CE-marking services on a world-wide basis.

---e-n-d---of---G-u-i-d-a-n-c-e---n-o-t-e---

302 The verification will only be related to safety aspects of the applicable standards, rules and regulations.

C. Procedures for Verification

C 100 Design Verification and Certification of Materials and Components

101 Extent of documentation and certification of materials and components shall be according to DNV-OS-E201.

C 200 Survey during construction, installation and commissioning

201 Survey during construction, installation and commissioning shall be carried out according to DNV-OS-E201.

SECTION 8
WELL(N)

A. Introduction

A 100 Application

101 The verification methodology described in this section may be applied to well intervention equipment on mobile offshore units being classed with DNV with service notation **Well Intervention Unit** and **WELL**.

Guidance note:

DNV recommend that the unit has **Well Intervention Unit(N)**-notation in order to minimize challenges on interfaces between well intervention equipment and vessel.

---e-n-d---of---G-u-i-d-a-n-c-e---n-o-t-e---

A 200 Class notations

201 Units equipped with well intervention equipment complying with the requirements of this section may, after completion of design reviews and surveys be assigned the class notation: **WELL(N)**.

202 DNV may accept decisions by national authorities as basis for assigning class notation **(N)**.

B. Verification Scope

B 100 General

101 Well intervention equipment and systems for use on the Norwegian Continental Shelf shall comply with the provisions given in the PSA regulations and referred standards in the corresponding PSA guidelines.

102 DNV-OS-E101(the technical basis for class notation **DRILL**) is listed in PSA regulations as an acceptable reference standard for drilling and well intervention plants on mobile facilities registered in a national ship register.

B 200 Supplementary verification for WELL(N)

201 In addition to complying with DNV-OS-E101 the following regulations shall be complied with for **DRILL(N)**-notation:

— PSA Facilities Regulations with Guidelines, Chapter IV-I

Table B1 Verification basis for WELL(N)

SFI Code	*Area*	*Verification Reference*	*Notes / Comments*
30C	Drilling Derrick w/ components	PSA Facilities Regulations including guidelines Sec.9 DNV-OS-E101	
31C	Work floor, Equipment and Systems	The Facilities Regulations including guidelines Sec.9, Sec. 55 The Activities Regulations including guidelines Sec. 80 DNV-OS-E101	
32C	Bulk- and Drill Fluid Systems	The Facilities Regulations including guidelines Sec.9, Sec 50 DNV-OS-E101	
33C	Well control, Equipment and Systems	The Facilities Regulations including guidelines Secs.9, 47, 48, 49 DNV-OS-E101	
36C	Material Handling, Equipment and Systems	The Facilities Regulations including guidelines Sec.9, Sec. 12, Sec. 55 The Activities Regulations including guidelines Sec. 80 DNV-OS-E101	
38C	Miscellaneous, systems and service	The Facilities Regulations including guidelines Sec.9, Sec. 53 DNV-OS-E101	

Notes:
The table is based on the "Handbook for Application for Acknowledgement of Compliance (AoC)", enclosure D
The following items covered by AoC are not included in **(N)**-notation:

— winterisation and arctic operation issues
— working environment issues
— compliance with EU-directives and European law
— owner's management systems.

202 Typically, the following equipment shall be subject to verification as applicable.

— wireline unit including power pack
— subsea wireline lubricator assembly
— BOP wireline shear-ram
— grease injection skid for braided line and stuffing box for slick line
— line pressure control head
— wireline winch
— skids/carriers for handling of equipment
— umbilicals for subsea controls
— subsea coiled tubing lubricator
— BOP coiled tubing shear-ram
— coiled tubing reel
— lifting equipment
— high pressure pumping facilities (cement, well stimulation fluids, nitrogen)
— Emergency Disconnect Package (EDP)
— Lower Riser Package (LRP)
— umbilicals for subsea controls.

B 300 Limitations

301 The following aspects subject to PSA requirements are not included in the **(N)**-notation in addition to the limitations to the AoC handbook as given in Table B1:

— regularity and reliability issues
— development of risk analyses
— worker protection and working environment issues (including noise, vibration, radiation, ergonomic aspects)
— protection against pollution
— operational requirements.

Guidance note:

NCS regulatory items not included in the **(N)**-notations as listed in 301 may be covered through separate verification services by DNV. A "Statement of Compliance" will be issued following completion of such services.

DNV is Notified Body for all relevant EU-directives, and may offer CE-marking services on a world-wide basis.

---e-n-d---of---G-u-i-d-a-n-c-e---n-o-t-e---

302 The verification will only be related to safety aspects of the applicable standards, rules and regulations.

C. Procedures for Verification

C 100 Design verification and certification of materials and components

101 Extent of documentation and certification of materials and components shall be according to DNV-OS-E201

C 200 Survey during construction, installation and commissioning

201 Survey during construction, installation and commissioning shall be carried out according to DNV-OS-E201.

SECTION 9
HELDK-SH(N) / HELDK-SHF(N)

A. Introduction

A 100 Application

101 The requirements in this section may be applied to helicopter decks on Mobile Offshore Units classed with DNV to a minimum of **HELDK-SH**, respectively **HELDK-SHF**.

A 200 Notation

201 Mobile offshore units with helicopter decks which have been designed, constructed and installed in accordance with the requirements of this section may be given the class notation **HELDK-SH(N)**, respectively **HELDK-SHF(N)**.

B. Verification scope

B 100 General

Helicopter decks on Mobile Offshore Units on the Norwegian Continental Shelf shall comply with the provisions given in NMD No. 72 of 2008-01-15.

B 200 Supplementary verification for (N)

In addition to DNV-OS-E401 Ch.2, Sec.1 to 6 (for units with **HELDK-SH**) and Sec.1 to 7 (for units with **HELDK-SHF**), the Helicopter deck regulations of NMD No.72 of 2008-01-15 shall be complied with.

Guidance note:

It is noted that the regulations of Norwegian Civil Aviation Authorities, in "CAA-N BSL D 5-1, Regulation 26 October, no.1181" governing commercial air traffic to and from helicopter decks on units operating on the Norwegian Continental Shelf, is covered by the above regulations.

---e-n-d---of---G-u-i-d-a-n-c-e---n-o-t-e---

SECTION 10
CRANE(N)

A. General

A 100 General

101 Lifting appliances on Mobile Offshore Units on the Norwegian Continental Shelf shall comply with the provision given in the PSA regulations and referred standards in the corresponding PSA guidelines.

A 200 Supplementary verification for (N)

201 Requirements and procedures for compliance to **CRANE(N)** are given in DNV Rules for Classification of Ships, Pt.6 Ch.1 Sec.6.

CHAPTER 3

CLASSIFICATION IN OPERATION

CONTENTS PAGE

Sec. 1 General Provisions for Periodical Surveys 42
Sec. 2 Periodic Survey Extent for (N)-Notations 43

SECTION 1
GENERAL PROVISIONS FOR PERIODICAL SURVEYS

A. General

A 100 Principles and procedures

101 Periodical surveys for **(N)**-notations shall follow systematics applied for offshore class surveys in general. For details on principles, procedures, survey intervals etc. refer:

— DNV-OSS-101 Ch.3 for drilling units, well intervention units, accommodation units and drilling plants
— DNV-OSS-102 Ch.3 for production units, storage units and production plants.

B. Class Renewal for (N)-notation

B 100 General

101 At certificate renewals (5-yearly intervals) it shall be demonstrated that the owner/manager has control over the effect of the changes between original and latest edition of the applicable technical references. This may be verified by a gap-analysis. Any deviations identified shall be closed out in order for the **(N)**-notation to be renewed.

102 All changes in technical references identified in 101 shall be included in the basis for the periodic survey related to the **(N)**-notation.

SECTION 2
PERIODIC SURVEY EXTENT FOR (N)-NOTATIONS

A. Drilling Unit (N)

A 100 Application

101 The requirements in A200 apply for units with class notation: **Drilling Unit (N)**.

A 200 Annual and complete periodical surveys

201 Extent of annual survey shall be as given for class notation **Drilling Unit** in DNV-OSS-101 Ch.3 Sec.5 B.

202 Extent of complete periodical survey shall be as given by Table B1 in Ch.2 Sec.2, with additional guidance of scope given by class notation Drilling Unit in DNV-OSS-101 Ch.3 Sec.5 B, and as described in Sec.1 B.

B. Production and/or Storage Unit (N)

B 100 Application

101 The requirements in A200 apply for units with class notation:

— **Production Unit (N)**
— **Storage Unit (N)**
— **Production and Storage Unit (N)**.

B 200 Annual and complete periodical surveys

201 Extent of annual survey shall be as given for class notation **Production** and/or **Storage Unit** in DNV-OSS-102 Ch.3 Sec.5 B.

202 Extent of complete periodical survey shall be as given by Table B1 in Ch.2 Sec.3, with additional guidance of scope given by class notation **Production** and/or **Storage Unit** in DNV-OSS-101 Ch.3 Sec.5 B, and as described in Sec.1 B.

C. Well Intervention Unit (N)

C 100 Application

101 The requirements in A200 apply for units with class notation: **Well Intervention Unit (N)**

C 200 Annual and complete periodical surveys

201 Extent of annual survey shall be as given for class notation **Well Intervention Unit** in DNV-OSS-101 Ch.3 Sec.5 C.

202 Extent of complete periodical survey shall be as given by Table B1 in Ch.2 Sec.4, with additional guidance of scope given by class notation **Well Intervention Unit** in DNV-OSS-101 Ch.3 Sec.5 C, and as described in Sec.1 B.

D. Accommodation Unit (N)

D 100 Application

101 The requirements in A200 apply for units with class notation: **Accommodation Unit (N)**.

D 200 Annual and complete periodical surveys

201 Extent of annual survey shall be as given for class notation **Accommodation Unit** in DNV-OSS-101 Ch.3 Sec.5 D.

202 Extent of complete periodical survey shall be as given by Table B1 in Ch.2 Sec.3 with additional guidance of scope given by class notation **Accommodation Unit** in DNV-OSS-101 Ch.3 Sec.5 D, and as described in Sec.1 B.

E. DRILL(N)

E 100 Application

101 The requirements in A200 apply for units with class notation: **DRILL(N)**.

E 200 Annual surveys

201 Extent of annual survey shall be as given for class notation **DRILL** in DNV-OSS-101 Ch.3 Sec.6 D200.

E 300 Complete periodical survey

301 Extent of complete periodical survey shall be as given for class notation **DRILL** in DNV-OSS-101 Ch.3 Sec.6 D300, and as described in Sec.1 B.

Guidance note:

Note there are instances where the performance standard required in Norway is higher than generally specified in the international Codes, e.g BOP control system accumulator capacity. When tests are carried out on a unit with **DRILL(N)** then the Norwegian performance standards are to be used.

---e-n-d---of---G-u-i-d-a-n-c-e---n-o-t-e---

302 Survey, testing and overhaul of the blow out preventer (BOP) shall be performed according to DNV-RP-E101.

F. PROD(N)

F 100 Application

101 The requirements in A200 apply for units with class notation: **PROD(N)**.

F 200 Annual and complete periodical surveys

201 Extent of annual survey shall be as given for class notation **PROD** in DNV-OSS-102 Ch.3 Sec.6 F.

202 Extent of complete periodical survey shall be as given for class notation **PROD** in DNV-OSS-101 Ch.3 Sec.6 F, and as described in Sec.1 B.

G. WELL(N)

G 100 Application

101 The requirements in A200 apply for units with class notation: **WELL(N)**.

G 200 Annual and complete periodical surveys

201 Extent of annual survey shall be as given for class notation **DRILL** in DNV-OSS-101 Ch.3 Sec.6 D.

202 Extent of complete periodical survey shall be as given for class notation **DRILL** in DNV-OSS-101 Ch.3 Sec.6 D, and as described in Sec.1 B.