RULES FOR CLASSIFICATION

DNVGL-RU-0050   Edition October 2015

General regulations

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DNV GL AS

FOREWORD

DNV GL rules for classification contain procedural and technical requirements related to obtaining and retaining a class certificate. The procedural and technical requirements are used as a contractual document and includes both requirements and acceptance criteria.

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

CHANGES – CURRENT

General

This document supersedes DNV GL rules for classification, General regulations, August 2015.

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.

On 12 September 2013, DNV and GL merged to form DNV GL Group. On 25 November 2013 Det Norske Veritas AS became the 100% shareholder of Germanischer Lloyd SE, the parent company of the GL Group, and on 27 November 2013 Det Norske Veritas AS, company registration number 945 748 931, changed its name to DNV GL AS. For further information, see www.dnvgl.com. Any reference in this document to "Det Norske Veritas AS", "Det Norske Veritas", "DNV", "GL", "Germanischer Lloyd SE", "GL Group" or any other legal entity name or trading name presently owned by the DNV GL Group shall therefore also be considered a reference to "DNV GL AS".

Main changes, entering into force as from date of publication

— The rule text has been changed to accommodate for the publication of the DNV GL rules for ships at October 1st 2015, and by which date DNV GL will offer three sets of rules for classification of ships.

Editorial corrections

In addition to the above stated main changes, editorial corrections may have been made.

CONTENTS

SECTION 1 INTRODUCTION

1 General

1.1 Purpose

1.1.1 Following the merger of Det Norske Veritas AS (DNV) and Germanischer Lloyd SE (GL), hereafter denoted legacy companies, DNV GL have established rules to provide basis for classification by the Society.

1.1.2 This document refers to:

1) DNV Rules for classification (all rule sets).
2) GL Rules for classification (all rule sets).
3) DNVGL rules for classification of:

   — ships
   — high speed and light crafts
   — inland navigation vessels
   — floating docks
   — mobile offshore units
   — yachts
   — underwater technology
   — naval vessels.

1.1.3 Rules and rule amendments are accepted by the appropriate approval body of the Society and will come into force on a date decided by this body. Unless stated otherwise, the coming into force date shall be six (6) months after the date of publication.

2 Definitions

Table 1 Terms and definitions

Term	Definition
builder	the party contracted to build a vessel in compliance with the Society's rules
certificate	a document confirming compliance with the Society's rules or with other rules and regulations for which the Society has been authorized to act Compliance is confirmed on the date as given in the Certificate.
class entry	assignment of class to an existing vessel
classification contract	contract between the builder and the Society for classification of the newbuilding
date of classification contract	newbuilding: The date on which the classification contract is signed.
date of order for classification	vessel in operation: The date on which the order for classification of existing vessel is signed between the owner and the Society.
legacy company	term used for Det Norske Veritas AS and its affiliates carrying out classification and statutory services (DNV) and Germanischer Lloyd SE and its affiliates carrying out classification and statutory services (GL) prior to the start of joint operations under DNV GL
main character of class	characters showing compliance with a defined set of classification rules for hull and/or machinery
newbuilding	a new vessel under construction at a builder
rule set	a complete set of rules including all supporting documents
Society	presently: DNV GL AS and its affiliates carrying out classification and statutory services Prior to the start of joint operations: DNV AS and its affiliates carrying out classification and statutory services or GL SE and its affiliates carrying out classification and statutory services

SECTION 2 APPLICATION

1 Validity

1.1 In force date

These rules will enter into force at the date of publication.

1.2 Scope

The scope of these rules is to describe to what extent and how to use all rule sets published by DNV GL.

2 Relation between these rules and other rule sets published by DNV GL

2.1 General

2.1.1 Requirements defined in these rules supersede requirements as laid down in any other rule sets.

2.1.2 If requirements in these rules are in conflict with any other rule set, the requirements herein will prevail.

2.1.3 The Society reserves the exclusive right to interpret, decide equivalence or make exemptions to its Rules.

2.2 Applied rules

The rule set to be applied for a project/vessel will be indicated by the following main character of class:

— 1A1 – DNV rule set
— 100A5 – GL rule set
— 1A - DNV GL rule set

and other main characters as defined in the respective rule sets.

SECTION 3 CLASSIFICATION PRINCIPLES

1 Classification systematics

1.1 Use of legacy company information

The Society may use information related to classification and statutory services originating from either of the legacy companies to the extent necessary for the performance of classification and statutory work at its discretion.

1.2 Assignment and retention of classification

The process for assigning, retaining, deleting and suspending class shall be in accordance with the applicable rule set.

1.3 Application of more than one rule set

1.3.1 Application of more than one rule set for the same vessel or design is not accepted; except as given in [1.3.2].

1.3.2 Additional voluntary class notations from another rule set may be applied when accepted by the Society.

1.4 Classification procedures

1.4.1 The Society reserves the right to cross use procedures and process requirements from any above mentioned rule set when it comes to e.g.:

— work execution and the related documentation of such; i.e. type of forms to be used
— certificates content
— marking of products
— survey and approval procedures
— documentation requirements
— survey requirements.

1.5 Class notations

1.5.1 In order to implement common principles for presentation of class notations across all rule sets, the formatting of the Society's class notations was standardised in the common DNV GL classification production system in June 2015. For vessels handled in the common production system, the new formatting will be visible in the electronic customer portal and user interfaces, in Register of Vessels and in documents created from the production system from that date onwards.

1.5.2 As a consequence of this, the way the class notations are presented in documents issued by the Society prior to June 2015, may differ slightly from presentation of class notations in portals and in documents issued after that date. There are no changes in requirements or follow-up connected to this, nor affecting documents validity.

When documents are re-issued in the common production system, the new formatting will be applied.

1.5.3 The standardised formatting of the class notations and their qualifiers implemented in the common production system, follows the following principles:

— abbreviations are capitalized
— words have capital first letter
— if class notation consist of more than one word, only the first word is capitalised
— qualifiers follow immediately after a class notation and are indicated in parenthesis. Multiple qualifiers are separated by comma and space.

Example:

Previous presentation/formatting	New presentation/formatting
1A1 ICE-1C Container Carrier DG-P E0 NAUT-OC	**1A1 Container carrier DG(P) E0 Ice(1C) NAUT(OC)**
100 A5 IW ERS Container Ship	**100 A5 Container ship ERS IW**

App.A contains a more detailed description of the standardised formatting of class notations including qualifiers.

2 Newbuilding and class entry

2.1 Applicable rule set

2.1.1 Classification is based on the rule set as specified in the *classification contract* in case of a newbuilding, or *order for classification* in case of class entry, in accordance with Sec.2 [2.2].

2.1.2 Applicable rule edition shall be in accordance with the applied rule set.

2.2 Acceptance of builder and designer

The Society accepts builders or designers who have previously been accepted by either or both legacy companies, as being capable of successfully managing classification projects.

3 Vessels in operation

3.1 Applicable rule set

Classification of vessels in operation shall be carried out in accordance with the rule set indicated by main character of class in accordance with Sec.2 [2.2].

3.2 Class and statutory certificates

Certificates issued by the legacy companies, valid at the time of starting joint operation, will remain valid, unless expired, renewed or withdrawn.

3.3 On-board documents / manuals

Approvals given by legacy companies remain valid.

4 Certificates of materials and components

4.1 Acceptance of certificates

4.1.1 Certification of materials and components shall be in accordance with the applied rule set. The Society may, subject to a case by case assessment, accept certificates and approvals issued according to any of the rule sets.

4.1.2 The following certificates will, on a general basis, be accepted for use with all rule sets published by DNV GL (refer to table 1).

Table 1 Certificates generally accepted *

Certificate type	Guidance
Service supplier certificate of approval	
Approval of manufacturer certificates	
Type approval certificates	Certificates will be assessed for each individual project and additional information / approval may be requested. The latter is mainly relevant for system certificates.

* When a common DNV GL rule set is published, all renewals and new approvals will be based on this common rule set.

APPENDIX A EXAMPLE OF THE STANDARDISED FORMATTING OF CLASS NOTATIONS INCLUDING QUALIFIERS

Table 1 Changes in presentation of selected class notations and qualifiers for 1A1 vessels

Presentation of class notations according to DNV rule books and in certificates, documents and reports issued prior to June 14th 2015	Presentation of class notation according to common formatting principles after June 14, 2015 in — Common portals — Certificates, documents and reports issued after June 14th
Class notations used for high speed light craft, offshore units and ships	
HELDK-S	**HELDK(S)**
HELDK-SH	**HELDK(H, S)**
HELDK (CAA-N)	**HELDK(CAA-N)**
HMON(A,C)	**HMON(A, C)**
ICE-1A	**Ice(1A)**
ICE-1B	**Ice(1B)**
ICE-1C	**Ice(1C)**
ICE-1A(for max draught x.x m)	**Ice(1A, (for max draught x.x m))**
Class notations used for offshore units and ships	
DSV-I	**DSV(I)**
DSV-III	**DSV(III)**
DSV-I and III	**DSV(I, III)**
DSV-SAT	**DSV(SAT)**
DSV-SURFACE	**DSV(Surface)**
DSV-SURFACE and SAT	**DSV(SAT, Surface)**
Fire Fighter I	**Fire fighter(I)**
Fire Fighter II	**Fire fighter(II)**
Fire Fighter III	**Fire fighter(III)**
Fire Fighter I+	**Fire fighter(I+)**
Fire Fighter Capability	**Fire fighter(capability)**
Fire Fighter I and III	**Fire fighter(I; III)**
DPS0	**DPS(0)**
DPS1	**DPS(1)**
DPS2	**DPS(2)**
DPS3	**DPS(3)**
DPS3 (A)	**DPS(3, A)**
DS-SAT	**DS(SAT)**
DS-SURFACE	**DS(Surface)**
DYNPOS-AUT	**DYNPOS(AUT)**
DYNPOS-AUTR	**DYNPOS(AUTR)**
DYNPOS-AUTRO	**DYNPOS(AUTRO)**
DYNPOS-AUTS	**DYNPOS(AUTS)**
DYNPOS-E	**DYNPOS(E)**
DYNPOS-ER	**DYNPOS(ER)**
DYNPOS-AUTR-(A)	**DYNPOS(A, AUTR)**
ICE-05	**Ice(05)**
ICE-10	**Ice(10)**
ICE-15	**Ice(15)**
ICE-1A*	**Ice(1A*)**

Table 1 Changes in presentation of selected class notations and qualifiers for 1A1 vessels (Continued)

Presentation of class notations according to DNV rule books and in certificates, documents and reports issued prior to June 14th 2015	Presentation of class notation according to common formatting principles after June 14, 2015 in — Common portals — Certificates, documents and reports issued after June 14th
ICE-1AF*	Ice(1AF*)
ICE-C	Ice(C)
ICE-E	Ice(E)
LCS-D	LCS(D)
LCS-DC	LCS(DC)
LCS-G	LCS(G)
LCS-I	LCS(I)
LCS-S	LCS(S)
LCS-SIGD	LCS(D, G, I, S)
LFL*	LFL(*)
NAUT-AW	NAUT(AW)
NAUT-OSV(A)	NAUT(OSV(A))
NAUT-AW(ICS)	NAUT(AW, ICS)
PC-1	PC(1)
PC-2	PC(2)
PC-3	PC(3)
PC-4	PC(4)
PC-5	PC(5)
PC-6	PC(6)
PC-7	PC(7)
PLUS-1	PLUS(1)
PLUS-2	PLUS(2)
POLAR-10	Polar(10)
POLAR-20	Polar(20)
POLAR-30	Polar(30)
REGAS-2	REGAS(2)
VCS-1	VCS(1)
VCS-2	VCS(2)
VCS-3	VCS(3)
VCS-1B	VCS(1, B)
VCS-2B	VCS(2, B)
Winterized Arctic	Winterized(Arctic)
Winterized Basic	Winterized(Basic)
Winterized Cold	Winterized(Cold)
Winterized Polar	Winterized(Polar)
Winterized Arctic (t °C)	Winterized(Arctic, t °C)
Winterized Cold (Enhanced)	Winterized(Cold, Enhanced)
Class notations used for high speed light craft and ships	
HELDK-SHF	HELDK(F, H, S)
Class notations used for high speed light craft	
Cargo A	Cargo(A)
Cargo B	Cargo(B)
CBT-H	CBT(H)
CBT-S	CBT(S)

Table 1 Changes in presentation of selected class notations and qualifiers for 1A1 vessels (Continued)

Presentation of class notations according to DNV rule books and in certificates, documents and reports issued prior to June 14th 2015	Presentation of class notation according to common formatting principles after June 14, 2015 in — Common portals — Certificates, documents and reports issued after June 14th
CBT-HS	CBT(H, S)
NAUT-HSC	NAUT(HSC)
NAUT-NAVY	NAUT(NAVY)
NBC-1	NBC(1)
NBC-2	NBC(2)
Class notations used for offshore units	
Crane Unit (N)	Crane(N) unit
Drilling Unit (N)	Drilling(N) unit
Offshore Support Unit (N)	Offshore support(N) unit
Oil Production Unit (N)	(N) Oil production unit
Well Intervention Unit 1 (N)	Well intervention(1)(N) unit
HELDK-S(N)	HELDK(N, S)
ICE-L	Ice(L)
ICE-T	Ice(T)
POSMOOR-ATA	POSMOOR(ATA)
POSMOOR-TA	POSMOOR(TA)
POSMOOR-V	POSMOOR(V)
POSMOOR(A)-TA	POSMOOR(A, TA)
POSMOOR(I)-ATA	POSMOOR(ATA, I)
POSMOOR-VR	POSMOOR(V, R)
WELL-1	WELL(1)
WELL-2	WELL(2)
WELL-1(N)	WELL(1, N)
Ship type class notations used for ships	
Fishing Vessel(S)(N)	Fishing vessel(N, S)
Ore Carrier ES(O)	Ore carrier(ES(O))
RC-1(X/Y)	RC(1, (X/, Y))
RC-2(X/Y)	RC(2, (X/, Y))
RC-3(X/Y)	RC(3, (X/, Y))
RO/RO	RO/RO ship
Stern Trawler(S)(N)	Stern trawler(N, S)
Supply Vessel Basic	Supply vessel(Basic)
Trawler (S)	Trawler(S)
AP-1	AP(1)
AP-2	AP(2)
AP-3	AP(3)
AP-1(a%)	AP(1, (a%))
AP-1(a%)(+)	AP(1, (a%), (+))
BC-A	BC(A)
BC-B	BC(B)
BC-C	BC(C)
BC-XII	BC(XII)
Battery Power	Battery(power)
BWM-E(m)	BWM(E(m))

Table 1 Changes in presentation of selected class notations and qualifiers for 1A1 vessels (Continued)

Presentation of class notations according to DNV rule books and in certificates, documents and reports issued prior to June 14th 2015	Presentation of class notation according to common formatting principles after June 14, 2015 in — Common portals — Certificates, documents and reports issued after June 14th
BWM-EP(m)	BWM(EP(m))
BWM-T	BWM(T)
BWM-E(m) and T	BWM(E(m), T)
CLEAN DESIGN	Clean(Design)
CLEAN DESIGN Tier III	Clean(Design, Tier III)
COMF-C(c)	COMF(C-c)
COMF-V(v)	COMF(V-v)
COMF-V(v)C(c)	COMF(C-c, V-v)
CSA-(25)	CSA(25)
CSA-1	CSA(1)
CSA-2	CSA(2)
CSA-FLS1	CSA(FLS1)
CSA-FLS2	CSA(FLS2)
DG-B	DG(B)
DG-P	DG(P)
DG-BP	DG(B, P)
EL-2	EL(2)
EP-1	EP(1)
ESV-BOP[HIL-DS]	ESV(BOP[HIL-DS])
ESV-BOP[HIL-DS], CRANE[HIL-DS]	ESV(BOP[HIL-DS], CRANE[HIL-DS])
F-A	F(A)
F-C	F(C)
F-M	F(M)
F-AMC	F(A, C, M)
FC-POWER	FC(Power)
FC-SAFETY	FC(Safety)
GRAIN-U	Grain(U)
HC-A	HC(A)
HC-B	HC(B)
HC-B*	HC(B*)
HC-C	HC(C)
HC-E	HC(E)
HC-EA	HC(EA)
HC-M	HC(M)
ICE-A	Ice(A)
ICE-A*	Ice(A*)
ICE-B	Ice(B)
Max. density n.n t/m3	Maximum cargo density(n.n t/m3)
NAUT-A	NAUT(A)
NAUT-B	NAUT(B)
NAUT-C	NAUT(C)
NAUT-OC	NAUT(OC)
NAUT-OSV(T)	NAUT(OSV(T))
NAUT-Q	NAUT(Q)
NAUT-OC-Q	NAUT(OC, Q)

Table 1 Changes in presentation of selected class notations and qualifiers for 1A1 vessels (Continued)

Presentation of class notations according to DNV rule books and in certificates, documents and reports issued prior to June 14th 2015	Presentation of class notation according to common formatting principles after June 14, 2015 in — Common portals — Certificates, documents and reports issued after June 14th
RPS	RP(S)
RPS(+)	RP(+, S)
SILENT-A	Silent(A)
SILENT-E	Silent(E)
SILENT-F	Silent(F)
SILENT-R	Silent(R)
SILENT-S	Silent(S)
SILENT-AE	Silent(A, E)
W1-OC	W1(OC)

Table 2 Changes in presentation of selected class notations and qualifiers for 100A5 vessels

Presentation of class notations in: — Fleet online — Issued certificates and reports for vessels not migrated to common production system — Certificates, documents and reports issued prior to June 14th 2015 for vessels in the common production system	Presentation of class notation according to common formatting principles after June 14, 2015 in — Common portals — Certificates, documents and reports issued after June 14th for vessels migrated to the common production system
Class notations used for offshore units and ships	
PC-1	PC(1)
PC-2	PC(2)
PC-3	PC(3)
PC-4	PC(4)
PC-5	PC(5)
PC-6	PC(6)
PC-7	PC(7)
Class notations used for ships and naval vessels	
RSCS	RCSC
Class notations used for ships	
Offshore Service Vessel AH	Offshore service vessel(AH)
Offshore Service Vessel CR	Offshore service vessel(CR)
Offshore Service Vessel HNLS	Offshore service vessel(HNLS)
Offshore Service Vessel OR	Offshore service vessel(OR)
Offshore Service Vessel SPS	Offshore service vessel(SPS)
Offshore Service Vessel STANDBY	Offshore service vessel(STANDBY)
Offshore Service Vessel TOW	Offshore service vessel(TOW)
Offshore Service Vessel TVS-C	Offshore service vessel(TVS-C)
Offshore Service Vessel TVS-R1	Offshore service vessel(TVS-R1)
Offshore Service Vessel TVS-ST	Offshore service vessel(TVS-ST)
Offshore Service Vessel TVS-U	Offshore service vessel(TVS-U)
Offshore Service Vessel WSV	Offshore service vessel(WSV)
Offshore Service Vessel WTIS	Offshore service vessel(WTIS)
Offshore Service Vessel AH WTIS	Offshore service vessel(AH, WTIS)

Table 2 Changes in presentation of selected class notations and qualifiers for 100A5 vessels (Continued)

Presentation of class notations in: — Fleet online — Issued certificates and reports for vessels not migrated to common production system — Certificates, documents and reports issued prior to June 14th 2015 for vessels in the common production system	Presentation of class notation according to common formatting principles after June 14, 2015 in — Common portals — Certificates, documents and reports issued after June 14th for vessels migrated to the common production system
BC-A	**BC(A)**
BC-B	**BC(B)**
BC-C	**BC(C)**
BC-XII	**BC(XII)**
COLL-1	**COLL(1)**
COLL-2	**COLL(2)**
COLL-3	**COLL(3)**
COLL-4	**COLL(4)**
COLL-5	**COLL(5)**
COLL-6	**COLL(6)**
COLL-7	**COLL(7)**
COLL-8	**COLL(8)**
COLL-9	**COLL(9)**
COLL-10	**COLL(10)**
DP 0	**DP(0)**
DP 1	**DP(1)**
DP 2	**DP(2)**
DP 3	**DP(3)**
DP 3 (ICE)	**DP(3, Ice)**
FF1	**FF(1)**
FF2	**FF(2)**
FF3	**FF(3)**
FF1/2	**FF(1, 2)**
RCP Y %/X	**RCP(Y/X)**
RP1	**RP(1)**
RP2	**RP(2)**
RP3	**RP(3)**
RP1-N%	**RP(1, N%)**
RSD (ACM) (gFE)	**RSD(ACM, gFE)**
Ship type class notations used for naval vessels	
SEA-NE	**Sea(NE)**
SEA-NH	**Sea(NH)**
SEA-NM	**Sea(NM)**
SEA-NE-NM	**Sea(NE, NM)**
SEA-NE	**Sea(NE)**
Ship type class notations used for yachts	
Passenger Yacht PY0	**Passenger yacht(PY0)**
Passenger Yacht PY1	**Passenger yacht(PY1)**
Passenger Yacht PY2	**Passenger yacht(PY2)**
Passenger Yacht PY3	**Passenger yacht(PY3)**

CHANGES – HISTORIC

Note that historic changes older than the editions shown below have not been included. Older historic changes (if any) may be retrieved through http://www.dnvgl.com.

August 2015 edition

Main changes, entering into force as from date of publication

- Sec.3 Classification principles

— New item [1.5] *Class notations* has been added.

- App.A Example of the standardised formatting of class notations including qualifiers

— This is a new appendix containing more detailed description of the standardised formatting of class notations including qualifiers.

July 2015 edition

Main changes, entering into force as from date of publication

- Sec.4 Certificates of materials and components

— [4.1] *Acceptance of certificates* has been updated to align use of TA certificates across DNV, GL and coming DNVGL rules.

April 2015 edition

Main changes, entering into force as from date of publication

- Sec.3 Classification principles

— [1.4.1]: New text clarifying the Society's right to cross use procedures and process requirements between legacy rules.
— Previous [1.4.2] and [1.4.3] have been deleted.
— [4.1.2] Table 1: A new row "Approval of manufacturer certificate" has been added.

October 2014 edition

Main changes October 2014, entering into force as from date of publication

- Sec. Classification principles

— A new item [1.4], *Classification procedures on projects based on the legacy GL rule set*, has been added.
— A new item [4.1.2] has been added.

December 2013 edition

Main changes December 2013, entering into force as from date of publication

- General

— References to ships have been removed to make the document generic for classification services.
— Definitions have been updated in [2].

October 2013 edition

General

This is a new document.

These Rules will enter into force from the date of publication.

DNV GL

Driven by our purpose of safeguarding life, property and the environment, DNV GL enables organizations to advance the safety and sustainability of their business. We provide classification and technical assurance along with software and independent expert advisory services to the maritime, oil and gas, and energy industries. We also provide certification services to customers across a wide range of industries. Operating in more than 100 countries, our 16 000 professionals are dedicated to helping our customers make the world safer, smarter and greener.

SAFER, SMARTER, GREENER