These sheets contain amendments within the following Sections of December 2016 issue of the *Rules for the Classification of Offshore Units*.

These amendments are effective from February 1st, 2019.

<table>
<thead>
<tr>
<th>Part</th>
<th>Volume</th>
<th>Chapter</th>
<th>Section / Appendix</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part A</td>
<td>NR 445 A1 DT R05 E</td>
<td>Ch 1</td>
<td>Sec 2, App 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ch 2</td>
<td>Sec 1, Sec 5, Sec 6, Sec 7, Sec 9, Sec 10, App 1</td>
</tr>
<tr>
<td>Part B</td>
<td>NR 445 B1 DT R05 E</td>
<td>Ch 1</td>
<td>Sec 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ch 2</td>
<td>Sec 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ch 3</td>
<td>Sec 1</td>
</tr>
<tr>
<td>Part C</td>
<td>NR 445 C1 DT R05 E</td>
<td>Ch 1</td>
<td>Sec 3, Sec 8</td>
</tr>
<tr>
<td>Part D</td>
<td>NR 445 C1 DT R07 E</td>
<td>Ch 1</td>
<td>Sec 1, Sec 2, Sec 8, Sec 11</td>
</tr>
</tbody>
</table>
1. INDEPENDENCE OF THE SOCIETY AND APPLICABLE TERMS

1.1 The Client shall treat the Society as an independent contractor and neither the Society nor any of its officers, employees, servants, agents or subcontractors shall be or act as an employee, servant or of any other agent herein the performance of the Services.

1.2 The Client acknowledges that the Society providing its Services are exclusively conducted by way of random inspections and do not in, any circumstances, involve monitoring or exclusive verification.

1.3 The Society acts as a services provider. This cannot be construed as an obligation bearing on the Society to obtain information or knowledge as to the accuracy of statements, or facts, or the correctness of any information, or knowledge, or to draw any inferences or conclusions, or to act in any manner reasonably necessary or advisable.

2. SERVICES

2.1 “Services” means the classification, certification, conjuctions, reports, surveys and any other services associated with the performance of the Services.

2.2 “Classification” means the classification of a Unit that can result or not in the issuance of a Classification Certificate.

2.3 “Registration” means an activity of certification in application of national and international regulations or standard, and in particular by delegation from different governments that can result in the issuance of a Certificate.

2.4 “Society” means Bureau Veritas Marine & Offshore SAS, a company organized under the laws of France, registered in the commercial register under number 812 131 844, or any other legal entity of Bureau Veritas Group as may be specified in the relevant contract, and whose main activities are classification and certification.

2.5 “Intellectual Property” means all patents, rights to inventions, utility models, copyright and related rights, trademarks, business names and all other intangible rights, in addition to all other similar or equivalent rights or forms of protection in any part of the world.

2.6 “Industry Practice” means international maritime and offshore industry practices.

2.7 “Payment” means the total amount due for the performance of the Services on the date of their preparation.

2.8 “Client” means the party hiring the Services.

2.9 “Party” means the Society or the Client.

2.10 “Register” means the society’s Register and all other documents.

2.11 “Party” means the Society or the Client.

2.12 “Report” means the public electronic register of ships updated regularly by the Society.

2.13 “Rule” means the Society’s Rules and other documents.

3. SERVICES AND METHODS

3.1 The Client shall be entitled to the Services performed and always by reference to the Rules, the Society shall:

• review the construction arrangements of the Unit as shown on the documents provided by the Client;
• conduct the Unit surveys at the place of the Unit construction;
• receive from the Client all data relevant to the Project;
• survey the Unit periodically in service to note whether the requirements for the maintenance of class are met.

3.2 The Client shall inform the Society without delay of any circumstances which may cause any changes on the conducted surveys or Services.

3.3 The Society will not:

• declare the acceptance or commissioning of a Unit, nor its construction in conformity with its design, such authorization being under the exclusive responsibility of the Unit’s owner or builder;
• engage in any work relating to the design, construction, production or repair checks, neither in the operation of the Unit or the Unit’s trade, neither in any advisory services, and cannot be held liable on those accounts.

4. RESERVATION CLAUSE

4.1 The Client shall always:

(i) maintain the Unit in good condition after surveys, (ii) present the Unit for surveys, and (iii) deliver the Unit to the Society in due time of any circumstances that may affect the given appraisement of the Unit or to the Client.

4.2 The Client shall notify the Society of any relevant safety issue and shall take all necessary safety-related actions.

4.3 Any loss and/or deferral of production, loss of product, loss of use, loss of bargain, loss of revenue, loss of profit or anticipated profit, loss of business and business interruption, in each case whether direct or indirect.

4.4 The Client shall defend, release, save, indemnify, defend and hold harmless the Society from any claims of the Client or any third party arising out of or in connection with opinions delivered according to clause 4.4 above, except for those claims caused solely and completely by the gross negligence of the Society, its officers, employees, servants, agents or subcontractors.

5. LIABILITY

5.1 The Client bears no liability for consequential loss. For the purpose of this clause consequential loss shall include, without limitation:

• Indirect or consequential loss;
• Loss and/or deferral of production, loss of profit, loss of use, loss of bargain, loss of revenue, loss of profit or anticipated profit, loss of business and business interruption, in each case whether direct or indirect.

5.2 Except in case of willful misconduct of the Society, death or bodily injury caused by the Society’s negligence and any other liability that could not, by law, be limited, the Society’s maximum liability towards the Client is limited to one hundred (100) per cent (100%) of the price paid in correspondence of the Services

6. PAYMENT OF INVOICES

6.1 The provision of the Services by the Society, while complete but not in full, for the part carried out, the amount due as of due date calculated on the number of days such payment is delinquent. The Society shall also have the right to withhold Certificates and other documents and/or to suspend or revoke the validity of Certificates.

6.2 In case of dispute on the invoice amount, the undisputed portion of the invoice shall be paid and an explanation on the dispute shall accompany payment so that action can be taken to solve the dispute.

6.3 In case of dispute on the invoice amount, the undisputed portion of the invoice shall be paid and an explanation on the dispute shall accompany payment so that action can be taken to solve the dispute.

7. ACCES TO SAFETY

7.1 The Client shall have the right to terminate the Services (and the related contract) for convenience as of due date calculated on the number of days such payment is delinquent. The Society shall also have the right to withhold Certificates and other documents and/or to suspend or revoke the validity of Certificates.

7.2 Except in case of willful misconduct of the Society, death or bodily injury caused by the Society’s negligence and any other liability that could not, by law, be limited, the Society’s maximum liability towards the Client is limited to one hundred (100) per cent (100%) of the price paid in correspondence of the Services.
Amendments to PART A

Ch 1, Sec 2, [1.2.2]
Replace the terms “offshore service barge” by “offshore barge” and “production/oil storage” by “oil production unit/oil storage”.

Ch 1, Sec 2, [4.1.3]
Replace the term “offshore service ship” by “offshore ship”.

Ch 1, Sec 2, [4.1.4]
Replace the term “offshore service barge” by “offshore barge”.

Ch 1, Sec 2, Table 1
Replace the terms “offshore service ship” by “offshore ship” and “offshore service barge” by “offshore barge”.

Ch 1, Sec 2, [5.2.1]
Add the following title:

5.2.1 Oil storage unit

Ch 1, Sec 2, [5.2.2]
Replace requirement [5.2.2] as follows:

5.2.2 Oil production unit
The service notation oil production unit may be assigned to units equipped for oil production and related activities, as defined in Ch 1, Sec 1, [4.4].

The requirements of Part D, Chapter 1 are applicable to these units. Production equipment is not included in the scope of classification except when the additional class notation PROC as defined in [8.3.3], is assigned to the unit. The additional service feature INERTGAS, as defined in [6.2], is to be assigned to units assigned with the service notation oil production unit and fitted with integrated process tanks or with tanks cleaning procedure using crude oil washing.

Ch 1, Sec 2, [5.2.3]
Add the following title:

5.2.3 Liquefied gas storage unit
Ch 1, Sec 2, Table 2
Delete the rows “diving support”, “gas liquefaction”, “gas production”, “production”.
Insert the rows “FSRU”, “FSU-LNG”, “gas liquefaction unit”, “gas production unit” and “oil production unit”.
Add table footnotes (2) and (3).
Replace the rows “lifting” and “oil storage” as follows:

<table>
<thead>
<tr>
<th>Service notation [ref. in Part A]</th>
<th>Additional service feature</th>
<th>Reference</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSRU [5.2.6]</td>
<td></td>
<td>NR645</td>
<td></td>
</tr>
<tr>
<td>FSU-LNG [5.2.6]</td>
<td></td>
<td>NR645</td>
<td></td>
</tr>
<tr>
<td>gas liquefaction unit [5.2.4]</td>
<td></td>
<td>NR542</td>
<td></td>
</tr>
<tr>
<td>gas production unit [5.2.5]</td>
<td></td>
<td>NR542</td>
<td></td>
</tr>
<tr>
<td>INERTGAS [6.2.1]</td>
<td></td>
<td>Part D, Chapter 1</td>
<td></td>
</tr>
<tr>
<td>lifting [5.4.1]</td>
<td></td>
<td>Ship Rules, Part E Chapter 8 (2) (3)</td>
<td>The lifting appliance is to be certified and at least one of the following additional class notations is to be assigned: ALM or OHS</td>
</tr>
<tr>
<td>oil production unit [5.2.2]</td>
<td></td>
<td>Part D, Chapter 1</td>
<td>Mandatory for units having integrated process tanks</td>
</tr>
<tr>
<td>INERTGAS [6.2.1]</td>
<td></td>
<td>Part D, Chapter 1</td>
<td></td>
</tr>
<tr>
<td>oil storage [5.2.1]</td>
<td></td>
<td>Part D, Chapter 1</td>
<td>Mandatory for storage &gt; 8000 t</td>
</tr>
<tr>
<td>INERTGAS [6.2.1]</td>
<td></td>
<td>Part D, Chapter 1</td>
<td></td>
</tr>
</tbody>
</table>

(2) As applicable
(3) Specific stability criteria for units assigned with the structural type notation column stabilized unit are given in Pt, B, Ch 1, Sec 1, [6]

Ch 1, Sec 2, [5.2]
Replace requirement [5.2.4] as follows:

5.2.4 Gas liquefaction unit
The service notation gas liquefaction unit may be assigned to units designed and equipped for gas liquefaction and complying with the requirements of NR542 Rules for the Classification of Offshore Floating Gas Units.
The service notation gas liquefaction unit is mandatory for units granted with the service notation liquefied gas storage when the liquefaction plant is necessary for compliance with the requirements of IGC Code, Chapter 7.
Liquefaction equipment is not included in the scope of classification except when the additional class notation PROC-GL, as defined in [8.3.3], is assigned.

Ch 1, Sec 2, [5.2.5]
Add the following title:

5.2.5 Gas production unit

Replace notation “gas production” by “gas production unit” in the first paragraph.
Replace the third paragraph by:

Production equipment is not included in the scope of classification except when the additional class notation PROC-GP, as defined in [8.3.3] is assigned.
Ch 1, Sec 2, [5.2]

*Add the following requirement [5.2.6]:*

5.2.6 Floating storage regasification unit (FSRU) and floating storage unit (FSU)

The service notations FSRU and FSU-LNG may be assigned to floating storage regasification units (FSRUs) and floating storage units (FSUs) respectively, designed to operate as a regasification and/or storage unit permanently moored without trading LNG.

Ch 1, Sec 2, [5.4]

*Replace the requirement [5.4.1] by:*

5.4.1 The service notation lifting may be assigned to units having lifting equipment installed on-board and performing lifting operations at sea.

The requirements for the assignment of this notation are given in:

- Ship Rules, Pt E, Ch 8, Sec 2 to Pt E, Ch 8, Sec 6, as applicable
- Part B and Part C of the present Rules
- for units having the structural type notation column stabilized unit, specific stability criteria given in Pt B, Ch 1, Sec 1, [6].

References and list of documents to be submitted are defined in Ship Rules, Pt E, Ch 8, Sec 1, [3] and Pt E, Ch 8, Sec 1, [4] respectively.

The requirements for the maintenance of the notation lifting are given in Ch 2, Sec 9, [10].

Note 1: The service notation lifting can only be granted to the offshore unit if the corresponding lifting appliance is covered by at least one of the additional class notations ALM or OHS to be assigned to the offshore unit.

Ch 1, Sec 2, [5.4]

*Delete requirement [5.4.3].*

Ch 1, Sec 2, [6.2.1]

*Insert the following paragraph after the first paragraph:*

This notation is mandatory for oil storage units with a dead-weight greater than 8000 tonnes.

Ch 1, Sec 2, [8.2]

*Replace references to “Pt E” of the Ship Rules by a reference to “Pt F” of the Ship Rules in the requirements [8.2.4], [8.2.5] and [8.2.6].*

Ch 1, Sec 2, [8.3]

*Replace requirements [8.3.1], [8.3.2], [8.3.3] as follows.*

8.3.1 Lifting appliances

Offshore units fitted with lifting appliances meeting the requirements of the NR526 Rules for the Certification of Lifting Appliances onboard Ships and Offshore Units may be assigned the following additional class notations:

- **ALP** for appliances intended to be used in harbour or in similar conditions,
- **ALM** for appliances intended to be used in offshore conditions for various lifting operations exclusive of the appliances mentioned in item a).

The additional class notations (ALP) or (ALM) may be assigned by the Society in lieu of the notations ALP or ALM respectively, when the corresponding lifting appliances meet the requirements of specific National Regulations under the conditions defined in NR526.
The additional class notation ALM may be completed by:

- **-EN**, when lifting appliances are in compliance with additional specific safety requirements as defined in NR526
- **-SUBSEA**, when lifting appliances are intended to be used for lifting of subsea equipment in compliance with specific requirements as defined in NR526.

The additional class notations ALP, ALM, ALM-EN and ALM-SUBSEA may be completed by **-MR** when, in addition, lifting appliances are intended to be used for lifting of personnel and comply with the specific requirements of NR526.

The additional class notations ALP, ALM, (ALP), (ALM), ALM-EN or ALM-SUBSEA are optional. However, the Society may require the compliance of lifting appliances with the assigning conditions of one of the above mentioned additional class notations for the classification of offshore units, when one or several lifting appliances are of a primary importance for their operation, or when such appliances significantly influence their structure. As a rule, such is the case for crane vessels fitted with lifting appliances with special high capacities.

In compliance with [8.1.3], these notations are assigned a construction mark as defined in [3].

The requirements for assignment and maintenance of these notations are given in NR526.

### 8.3.2 Dynamic positioning (DYNAPOS)

The additional class notation DYNAPOS may be assigned to units equipped with a dynamic station keeping system. In accordance with [8.1.3], this notation is assigned a construction mark, as defined in [3].

The scope of the additional class notation DYNAPOS, including the additional notations for the description of capability of the installation (SAM, AM, AT, AM/AT), and the requirements for the assignment of this notation are given in Pt F, Ch 10, Sec 6 of the Ship Rules.

The requirements for the maintenance of this notation are given in Pt A, Ch 5, Sec 10 of the Ship Rules.

The additional class notation DYNAPOS AM/AT R or DYNAPOS AM/AT RS may be completed by **-EI** for units fitted with enhanced dynamic positioning control system and complying with the requirements of Pt F, Ch 11, Sec 6 of the Ship Rules. This notation allows improving the reliability, availability and operability of a DP vessel.

The notation -HWIL is added to the additional class notation DYNAPOS when the control system has been verified according to the requirements of NR632 Hardware-in-the-loop Testing.

### 8.3.3 Process (PROC)

The additional class notation PROC, PROC-GP or PROC-GL may be assigned to units fitted with, respectively, oil production, gas production or gas liquefaction installations meeting the corresponding requirements of the Rule Note NR459 Process Systems on board Offshore Units and Installations (PROC) and of the Rule Note NR542 Classification of Floating Gas Units (PROC-GP and PROC-GL).

Notes: The additional class notations PROC, PROC-GP and PROC-GL are strongly recommended for permanent units fitted with oil production, gas production or gas liquefaction installations, so as to allow a global approach of unit's safety.
Ch 1, Sec 2, [8.3.13]
Replace the title by:

8.3.13 Regasification installations (REGAS)

Replace the reference to “NR542 Rules for the Classification of Offshore Floating Gas Units” by a reference to “NR645 Rules for the Classification of Floating Storage Regasification Units and Floating Storage Units”.

Ch 1, Sec 2, Table 3

Replace references to “Pt E, Ch 10, Sec 3” of the Ship Rules by a reference to “Pt F, Ch 11, Sec 3” of the Ship Rules in the row “INWATERSURVEY”.

Delete the row “liquefied gas offloading”.

Add the rows “CSR Hull Type”, “liquefied gas transfer”, “PROC-GP”, and “PROC-GL”.

Replace the rows “ALP, ALM, ALS”, “COMF”, “DYNAPOS”, “PROC” and “REGAS” as follows:

<table>
<thead>
<tr>
<th>Additional class notation</th>
<th>Defined in</th>
<th>Reference for assignment</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALM (ALM)</td>
<td>(1)</td>
<td>[8.3.1] NR 526</td>
<td>ALP, ALM, ALM-EN and ALM-SUBSEA may be completed by -MR</td>
</tr>
<tr>
<td>ALM-EN</td>
<td>(1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALM-SUBSEA</td>
<td>(1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALP (ALP)</td>
<td>(1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMF HEALTH-NOISE-g</td>
<td>[8.4.3]</td>
<td>NR 636</td>
<td>g is equal to 1 (best level) or 2 COMF notations may be completed by -SIS</td>
</tr>
<tr>
<td>COMF HEALTH-VIB-g</td>
<td>[8.4.3]</td>
<td>NR 636</td>
<td></td>
</tr>
<tr>
<td>CSR Hull Type</td>
<td>[8.4.10]</td>
<td>NR 606</td>
<td>for oil storage unit verified at design with the requirement of NR606</td>
</tr>
<tr>
<td>DYNAPSO SAM</td>
<td>(1)</td>
<td>[8.3.2] Pt F, Ch 11, Sec 6 of the Ship Rules</td>
<td>DYNAPSO AM and DYNAPSO AT may be completed y R or RS. DYNAPSO AM/AT may be completed by R or RS or (xx;xx) (corresponding to the two-number vector for the Environmental Station Keeping Index ESKI). DYNAPSO notations may be completed by -HWIL DYNAPSO AM/AT-R or DYNAPSO AM/AT-RS may be completed by -EI</td>
</tr>
<tr>
<td>DYNAPSO AM</td>
<td>(1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DYNAPSO AT</td>
<td>(1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DYNAPSO AM/AT</td>
<td>(1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>liquefied gas transfer</td>
<td>[8.3.8]</td>
<td>NR 542</td>
<td>for side-by-side transfer arms, tandem transfer arms or transfer systems based on flexible hoses</td>
</tr>
<tr>
<td>PROC</td>
<td>[8.3.3]</td>
<td>NR 459</td>
<td>for permanent units with service notation oil production unit</td>
</tr>
<tr>
<td>PROC-GL</td>
<td>[8.3.3]</td>
<td>NR 542</td>
<td>for permanent units with service notation gas liquefaction unit</td>
</tr>
<tr>
<td>PROC-GP</td>
<td>[8.3.3]</td>
<td>NR 542</td>
<td>for permanent units with service notation gas production unit</td>
</tr>
<tr>
<td>REGAS</td>
<td>[8.3.13]</td>
<td>NR 645</td>
<td></td>
</tr>
</tbody>
</table>
Ch 1, Sec 2, [8.3.14]
Replace the term “additional service feature” by “additional class notation”.

Ch 1, Sec 2, [8.4.1]
Replace references to “Part E Chapter 8” of the Ship Rules by a reference to “Part F, Chapter 8” of the Ship Rules.

Ch 1, Sec 2, [8.4.3]
Add the following paragraph at the end of the requirement:

For offshore units intended with in-service assessment, the notations COMF are followed by notation -SIS. The requirements for the maintenance of these notations are given in Ch 2, Sec 9, [6].

Ch 1, Sec 2, [8.4.4]
Replace the fifth paragraph by:

The Guidance Note NI611 Guidelines for Fatigue Assessment of Steel Ships and Offshore Units is to be used.

Ch 1, Sec 2, [8.4.6]
Replace the title by:

8.4.6 High integrity protection system (HIPS)

Ch 1, Sec 2, [8.4.9]
Replace the title by:

8.4.9 In-water survey (INWATERSURVEY)

Replace reference to “Pt E, Ch 10, Sec 3” of the Ship Rules by a reference to “Pt F, Ch 11, Sec 3” of the Ship Rules.

Ch 1, Sec 2, [8.4]
Add the following new requirement [8.4.10]:

8.4.10 Common structural rules designed offshore unit (CSR Hull type)
The additional class notation CSR Hull type may be assigned to oil storage units arranged with double hull and double bottom and for which the hull has been designed taking into account the requirements of NR 606 Common Structural Rules for Bulk Carriers and Oil Tankers, as far as practicable.
Ch 1, App 1

Replace Table 2 and Table 3 as follows:

<table>
<thead>
<tr>
<th>Former notation</th>
<th>Current notation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>diving support-integrated</td>
<td>None (1)</td>
<td>Edition February 2019</td>
</tr>
<tr>
<td>diving support-capable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>diving support-portable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>gas liquefaction</td>
<td>gas liquefaction unit</td>
<td>Edition February 2019</td>
</tr>
<tr>
<td>gas production</td>
<td>gas production unit</td>
<td>Edition February 2019</td>
</tr>
<tr>
<td>production</td>
<td>oil production unit</td>
<td>Edition February 2019</td>
</tr>
<tr>
<td>transportation</td>
<td>None (2)</td>
<td>Edition December 2016</td>
</tr>
</tbody>
</table>

(1) See Ship Rules, Part E, Chapter 7.
(2) Unless a new service notation corresponds to the specified service.

Table 3 : Additional service features

<table>
<thead>
<tr>
<th>Former notation</th>
<th>Current notation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO</td>
<td>Changed into additional class notation</td>
<td>Edition December 2016</td>
</tr>
<tr>
<td>DD</td>
<td>None (1)</td>
<td>Edition February 2019</td>
</tr>
<tr>
<td>HEL</td>
<td>Changed into additional class notation</td>
<td>Edition June 2015</td>
</tr>
<tr>
<td>IG</td>
<td>INERTGAS</td>
<td>Edition December 2016</td>
</tr>
<tr>
<td>SD</td>
<td>None (1)</td>
<td>Edition February 2019</td>
</tr>
<tr>
<td>VeriSTAR-HULL</td>
<td>Changed into additional class notation</td>
<td>Edition December 2016</td>
</tr>
</tbody>
</table>

(1) See Ship Rules, Part E, Chapter 7.

Add the following Table 4:

<table>
<thead>
<tr>
<th>Former notation</th>
<th>Current notation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALS</td>
<td>ALM-SUBSEA</td>
<td>Edition February 2019</td>
</tr>
<tr>
<td>liquefied gas offloading</td>
<td>liquefied gas transfer</td>
<td>Edition February 2019</td>
</tr>
</tbody>
</table>

Ch 1, App 1

Replace sub-article [1.1] by:

1.1 Correspondence between former and current class notations

1.1.1 Some class notations assigned in accordance with a previous edition of the present Rules have been modified or cancelled. The present Appendix gives correspondence between former and current notations.

- Tab 1 gives correspondence between former structural type notations and current ones
- Tab 2 gives correspondence between former service notations and current ones
- Tab 3 gives correspondence between former additional service features and current ones
- Tab 4 gives correspondence between former additional service features and current ones.

At the request of the owner, the new classification notation could be used at the renewal period.

Ch 2, Sec 1, [1.1.3]

Replace in the 3rd paragraph the reference to “Pt A, Ch 2, Sec 3 of the Ship Rules” by a reference to “Ch 2, Sec 10”.

Amendments February 2019
Bureau Veritas - Rules for Offshore Units 7
Ch 2, Sec 1, [1]

Add the following sub-article [1.7]:

1.7 Remote inspection techniques (RIT)

1.7.1 The remote inspection techniques (RIT) are to provide the information normally obtained from a close-up survey.

RIT surveys are to be carried out in accordance with the requirements given in the present Article and in NR533 Approval of Service Suppliers.

The proposals for use of a RIT shall be submitted by the Owner in advance of the survey and approved by the Society.

1.7.2 The equipment and the procedure for observing and reporting the survey using a RIT are to be discussed and agreed with the parties involved prior to the survey, and suitable time is to be allowed to set-up, calibrate and test all equipment in advance.

1.7.3 When using RIT as alternative to close-up survey, it shall be conducted by an approved service supplier according to NR533 and it shall be witnessed by an attending Surveyor.

1.7.4 The structure to be surveyed using the RIT is to be clean to permit meaningful examination. Visibility is to be sufficient to allow meaningful examination. The Society is to be satisfied with the methods and the orientation on the structure.

1.7.5 The attending Surveyor is to be satisfied with the method of live data presentation including pictorial representation. A good two-way communication between the Surveyor and the RIT operator shall be provided.

1.7.6 If the RIT reveals damage or deterioration that requires attention, the Surveyor may require traditional survey to be undertaken without the use of RIT.

Ch 2, Sec 1, [3.2.3]

Replace the reference to “Pt A, Ch 2, Sec 3, [1.2] of the Ship Rules” by a reference to “Ch 2, Sec 10, [1.2]”.

Ch 2, Sec 1, [3.4.2] and [8.1.1]

Replace the reference to “Pt A, Ch 2, Sec 3 of the Ship Rules” by a reference to “Ch 2, Sec 10”.

Ch 2, Sec 5, [1.1.1]

Replace the term “offshore service ship” by “offshore ship” and “offshore service barge” by “offshore barge”.

Ch 2, Sec 6, [1.1.1]

Replace the terms “offshore service ship” by “offshore ship” and “offshore service barge” by “offshore barge”.

Ch 2, Sec 7, [1.1.1]

Replace the terms “offshore service ship” by “offshore ship” and “offshore service barge” by “offshore barge”.

Ch 2, Sec 9, [4.2]

Replace sub-article title by:

4.2 Survey requirements for units assigned with service notation oil production unit
Ch 2, Sec 9, [4.3]
Replace sub-article title by:

4.3 Survey requirements for additional class notation PROC, PROC-GL and PROC-GP

Ch 2, Sec 9, [5.1.1]
Replace the second paragraph by:

The survey requirements for swivel systems, as described in [5.2], are applicable to units assigned with the structural type notation offshore buoy and to surface units assigned with service notation oil production unit and/or oil storage and/or liquefied gas storage, whenever the unit is fitted with such equipment.

Ch 2, Sec 9
Replace the Article title by:

6 Survey of additional class notations COMF HEALTH-NOISE-g-SIS and COMF HEALTH-VIB-g-SIS

Ch 2, Sec 9, [6.3.1]
Replace the last paragraph by:

Renewal surveys are to cover 30% of the initial survey measuring points.

Ch 2, Sec 9
Delete Article [8].

Chapter 2
Add the following new Section 10.
SECTION 10  SUSPENSION AND WITHDRAWAL OF CLASS

1 General

1.1 Discontinuance of class

1.1.1 The class may be discontinued either temporarily or permanently. In the former case it is referred to as “suspension” of class, in the latter case as “withdrawal” of class. In both these cases, the class is invalidated in all respects. In the case of withdrawal, the name of the offshore unit is deleted from the Register. The current version of the Register can be consulted on the Society website.

1.2 Suspension of class

1.2.1 The class may be suspended either automatically or following the decision of the Society. In any event, the offshore unit will be considered as not retaining its class from the date of suspension until the date when class is reinstated.

1.2.2 The class may be automatically suspended when one or more of the following circumstances occur:

- when an offshore unit is not operated in compliance with the rule requirements, such as in cases of services or conditions not covered by the service notation, or trade outside the navigation restrictions for which the class was assigned
- when an offshore unit proceeds to sea with less freeboard than that assigned, or has the freeboard marks placed on the sides in a position higher than that assigned, or, in cases of offshore unit where freeboard are not assigned, the draught is greater than that assigned
- when the Owner fails to inform the Society in order to submit the offshore unit to a survey after defects or damages affecting the class have been detected
- when repairs, alterations or conversions affecting the class are carried out either without requesting the attendance of the Society or not to the satisfaction of the Surveyor.

Suspension of class with respect to the above cases will remain in effect until such time as the cause giving rise to suspension has been removed. Moreover, the Society may require any additional surveys deemed necessary taking into account the condition of the offshore unit and the cause of the suspension.

1.2.3 In addition, the class is automatically suspended:

- when the class renewal survey has not been completed by its limit date or within the time granted for the completion of the survey, unless the offshore unit is under attendance by the Society’s Surveyors with a view to completion prior to resuming trading
- when the annual or intermediate surveys have not been completed by the end of the corresponding survey time window (see Ch 2, Sec 2, [2.1.3]) unless the offshore unit is under attendance for completion of the survey.

Continuous survey item(s) due or overdue at the time of annual surveys is (are) to be dealt with. The offshore unit’s class will be subject to a suspension procedure if the item(s) is (are) not surveyed or postponed by agreement with the Society.

Suspension of class with respect to the above cases will remain in effect until such time as the class is reinstated once the due items and/or surveys have been dealt with.

1.2.4 In addition to the circumstances for which automatic suspension may apply, the class of a offshore unit may also be suspended following the decision of the Society:

- when a recommendation is not dealt with within the time limit specified, unless it is postponed before the limit date by agreement with the Society
- when one or more surveys are not held by their limit dates (see Ch 2, Sec 1, [2.1.4]) or the dates stipulated by the Society also taking into account any extensions granted in accordance with the provisions of Part A
- when, due to reported defects, the Society considers that an offshore unit is not entitled to retain its class even on a temporary basis (pending necessary repairs or renewals, etc.)
- when the offshore unit has not been maintained in proper condition, as set forth in Ch 1, Sec 1, [3.3.2]
- in other circumstances which the Society will consider on their merits (e.g. in the event of non-payment of fees or where the Owner fails to render the offshore unit available for the occasional surveys as listed in Ch 2, Sec 1, [6.1.1].

Suspension of class decided by the Society takes effect from the date when the conditions for suspension of class are met and will remain in effect until such time as the class is reinstated once the due items and/or surveys have been dealt with.
1.3 Withdrawal of class

1.3.1 The Society will withdraw the class of an offshore unit in the following cases:

- at the request of the Owner
- as a rule, when the causes that have given rise to a suspension currently in effect have not been removed within six months after due notification of suspension to the Owner
- when the offshore unit is reported as a constructive total loss
- when the offshore unit is lost
- when the offshore unit is reported scrapped.

Withdrawal of class may take effect from the date on which the circumstances causing such withdrawal occur. The contract for the classification of the offshore unit is terminated as of right in the above cases.

The class is also withdrawn according to the provisions of article 9 of the Marine & Offshore Division General Conditions in case of contract termination.

1.3.2 When the withdrawal of class of an offshore unit comes into effect, the Society will:

- forward the Owner written notice
- delete the offshore unit from the Register
- notify the flag Administration
- make the information available to the Underwriters, at their request.

1.4 Suspension/withdrawal of additional class notations

1.4.1 If the survey requirements related to maintenance of additional class notations are not complied with, the suspension or withdrawal may be limited to the notations concerned.

The same procedure may apply to service notations of offshore unit which are assigned with more than one service notation.

1.4.2 The suspension or withdrawal of an additional class notation or a service notation (where an offshore unit is assigned with more than one service notation) generally does not affect the class.
Part A

Ch 2, App 1, Table 1

Replace the terms “offshore service ship” by “offshore ship” and “offshore service barge” by “offshore barge”.
Amendments to PART B

Ch 1, Sec 1, [1.2.1]

Replace the first item of the bulleted list by:

- units intended to receive service notations drilling (completed or not by an indication between brackets), drilling assistance, accommodation, oil storage, liquefied gas storage, oil production unit, gas production unit and gas liquefaction unit

Ch 1, Sec 1

Add the following Article [6]:

6 Lifting units

6.1 General

6.1.1 Unless otherwise specified, units assigned with the service notation lifting are to comply with the applicable stability requirements defined in Ship Rules, Pt E, Ch 8, Sec 3.

6.1.2 For units assigned with the structural type notation column stabilized unit, the stability criteria set forth in Ship Rules, Pt E, Ch 8, Sec 3 [2.2.1] item b), for lifting operations conducted under environmental and operational limitations, is replaced by:

\[ A_{rl} \geq 1.30 A_{el} \]

with the lifted load at the most unfavourable position and the wind heeling moment curve defined by direct calculation of the windage area for a sufficient number of heel angles.

Ch 2, Sec 2, [6.1.3]

Replace the service notation “gas production” by “gas production unit”.

Replace the service notation “gas liquefaction” by “gas liquefaction unit”.

Ch 3, Sec 1, [1.3.4]

Add the following paragraph at the end of the requirement:

The foundations of lifting appliances are to comply with the applicable requirements of Ship Rules, Pt E, Ch 8, Sec 4.
Amendments to PART C

Ch 1, Sec 3, [2.13.2]

Ch 1, Sec 8, [1.1.1]
Amendments to PART D

Ch 1, Sec 1, [1.2]
Replace the requirement [1.2.6] by:

1.2.6 Comfort on board floating units
The additional class notations COM HEALTH-NOISE-g and COMF HEALTH-VIB-g defined in Pt A, Ch 1, Sec 2 [8.4.3], are relevant to the assessment of comfort and health on board floating units with regard to the level of noise and/or vibration.

Ch 1, Sec 1, [1.7.2]
Replace the reference to “Ship Rules, Pt E, Ch 10, Sec 6” by a reference to “Ship Rules, Pt F, Ch 11, Sec 6”.

Ch 1, Sec 1, [1.8.4]
Replace the title by:

1.8.4 Lifting appliances - additional class notations
ALP and ALM

Replace the term “ALP, ALM and ALS” by “ALP and ALM” in the first and fourth paragraphs.

Ch 1, Sec 2, [1.1.3]
Replace the term “oil tanker ESP / offshore service ship” by “oil tanker ESP / offshore ship”.

Ch 1, Sec 8, [2.1]
Replace the requirement [2.1.5] by:

2.1.5 Lifting appliances foundations
For lifting appliances foundations, design loading conditions defined in Ship Rules Pt E, Ch 8, Sec 4 are to be considered.

Ch 1, Sec 11, [2.1.3]
Replace the term “oil tanker ESP (or liquefied gas carrier) / offshore service ship” by “oil tanker ESP (or liquefied gas carrier) / offshore ship”.

Amendments February 2019