

# Amended Rules for Mobile Offshore Units

(Development Review : For external opinion inquiry)



2019. 8.

## - Main Amendments -

(1) Effective date : 1 January 2020 (date for construction)

- Equivalency : Requirements for equivalency have been harmonized with other Rules
- Reflected MSC Res.407(96) : Acceptance of foam firefighting appliances in FSS Code
- IACS UR D 11 : Editorial modification

| Present  | Amendment  | Reason  |
|--|--|---|
| <p style="text-align: center;"><b>CHAPTER 1 GENERAL</b></p> <p style="text-align: center;"><b>Section 1 General</b></p> <p>101. to 103. &lt;omitted&gt;</p> <p><b>104. <u>Equivalency and novel features</u></b></p> <p><u>1. Alternative hull construction, equipment, machinery and their arrangement and scantlings will be accepted by the Society, provided that the Society is satisfied that such construction, equipment, machinery and their arrangement and scantlings are equivalent to those required in the Rules.</u></p> <p><u>2. Units which contain novel features of design, with respect to buoyancy, elevating arrangements, structural arrangements, machinery, etc., to which the Rules are not directly applicable, may be classed, when approved by the Society on the basis that the Rules, in so far as applicable, have been complied with and that special consideration has been given to the novel features based on the best information available at the time.</u></p> | <p style="text-align: center;"><b>CHAPTER 1 GENERAL</b></p> <p style="text-align: center;"><b>Section 1 General</b></p> <p>101. to 103. &lt;same as the present&gt;</p> <p><b>104. <u>Equivalency and novel features</u></b></p> <p><u>The equivalence of alternative and novel features which deviate from or are not directly applicable to the Rules is to be in accordance with <b>Pt1 Ch 1 104.</b> of <b>Rules for the Classification of Steel Ships</b></u></p> | <p>- Requirements for equivalency have been harmonized with other Rules</p> |

| Present   | Amendment   | Reason  |
|---|---|---|
| <p style="text-align: center;"><b>CHAPTER 9 FIRE PROTECTION,<br/>MEANS OF ESCAPE AND FIRE<br/>EXTINCTION</b></p> <p style="text-align: center;"><b>Section 1 to Section 3<br/>&lt;same as the present&gt;</b></p> <p style="text-align: center;"><b>Section 4 Fire Extinguishing Systems for<br/>Helicopter Facilities</b></p> <p><b>401. General</b><br/>&lt;omitted&gt;</p> <p><b>402. Helicopter decks and refueling facilities</b></p> <p><u>1. Hoses and nozzles : at least two approved combination nozzle and applicators and hoses sufficient in length to reach any part of the helicopter deck are to be provided.</u></p> <p><b>2.</b> Portable extinguishers : at least two dry powder extinguishers of a total capacity of not less than 45 kg, but not less than 9 kg each, are to be provided.</p> <p><b>3.</b> Back-up fire fighting system : A back-up fire fighting system is to be provided, consisting of CO<sub>2</sub> extinguishers of a total capacity of not less than 18 kg or equivalent, one of these extinguishers being so equipped as to enable it to reach the engine area of any helicopter using the deck. The back-up system is to be located so that the equipment would not be vulnerable to the same damages as the primary extinguishing system.</p> | <p style="text-align: center;"><b>CHAPTER 9 FIRE PROTECTION,<br/>MEANS OF ESCAPE AND FIRE<br/>EXTINCTION</b></p> <p style="text-align: center;"><b>Section 1 to Section 3<br/>&lt;same as the present&gt;</b></p> <p style="text-align: center;"><b>Section 4 Fire Extinguishing Systems for<br/>Helicopter Facilities</b></p> <p><b>401. General</b><br/>&lt;omitted&gt;</p> <p><b>402. Fire-fighting appliances</b></p> <p><del>1. Hoses and nozzles : at least two approved combination nozzle and applicators and hoses sufficient in length to reach any part of the helicopter deck are to be provided.</del></p> <p><u>1. In close proximity to the helideck, the following fire-fighting appliances should be provided and stored near the means of access to that helideck:</u></p> <p>(1) Portable extinguishers</p> <p>(A) <u>Primary extinguishers</u> : At least two dry powder extinguishers of a total capacity of not less than 45 kg, but not less than 9 kg each, are to be provided.</p> <p>(B) <u>Back-up extinguishers</u> : A back-up fire fighting system is to be provided, consisting of CO<sub>2</sub> extinguishers of a total capacity of not less than 18 kg or equivalent, one of these extinguishers being so equipped as to enable it to reach the engine area of any helicopter using the deck. The back-up system is to be located so that the equipment would not be vulnerable to the same damages as the primary extinguishing system.</p> | <p>- Editorial modification in accordance with UR D11.4</p> |

| Present  | Amendment   | Reason   |
|--|---|--|
| <p><b>4. Fixed foam system :</b></p> <p>(1) A suitable foam application system, consisting of monitors or foam making branch pipes capable of delivering foam solution at a rate of not less than 6.0 <math>\ell/m^2</math>-min((4.1 <math>\ell/m^2</math>-min for Aqueous Film Forming Foam or Film-Forming Fluoroprotein Foam) of the areas protected(the area of a circle of diameter "D" where "D" is the distance across the main rotor and tail rotor in the fore and aft line of a helicopter) for at least 5 minutes, is to be provided.</p> <p>(2) Foam delivery at the minimum application rate is to start within 30 s of system activation. The operation of the foam system is not to interfere with simultaneous operation of the fire main.</p> <p>(3) The principal agent shall be suitable for use with salt water and conform to performance standards not inferior to those acceptable to the IMO Organization(Refer to the International Civil Aviation Organization Airport Services Manual, part 1, Rescue and Fire Fighting, chapter 8, Extinguishing Agent Characteristics, paragraph 8.1.5, Foam Specifications table 8-1, level 'B').</p> <p><b>5. to 8.</b> &lt;omitted&gt;</p> | <p>(2) Fixed fire fighting systems :</p> <p>(A) Fixed foam system :</p> <p>(a) A suitable foam application system, consisting of monitors or foam making branch pipes capable of delivering foam solution at a rate of not less than 6.0 <math>\ell/m^2</math>-min((4.1 <math>\ell/m^2</math>-min for Aqueous Film Forming Foam or Film-Forming Fluoroprotein Foam) of the areas protected(the area of a circle of diameter "D" where "D" is the distance across the main rotor and tail rotor in the fore and aft line of a helicopter) for at least 5 minutes, is to be provided.</p> <p>(b) Foam delivery at the minimum application rate is to start within 30 s of system activation. The operation of the foam system is not to interfere with simultaneous operation of the fire main.</p> <p>(c) The principal agent shall be suitable for use with salt water and conform to performance standards not inferior to those acceptable to the IMO Organization(Refer to the International Civil Aviation Organization Airport Services Manual, part 1, Rescue and Fire Fighting, chapter 8, Extinguishing Agent Characteristics, paragraph 8.1.5, Foam Specifications table 8-1, level 'B').</p> <p>(B) Fire water system: at least two approved nozzles of jet/spray type and hoses sufficient in length to reach any part of the helicopter deck.</p> <p>(3) In lieu of the requirements of (2) (A), foam firefighting appliances complying with the requirements of the FSS Code.</p> <p><b>2. to 5.</b> &lt;same as the present&gt;</p> | <p>- Editorial modification in accordance with UR D11.4</p> <p>&lt;MSC Res. 407(96)&gt;<br/>- MODU Code 9.17.4.6</p> |

(Draft)

# Amended Rules for the Classification of Mobile Offshore Units

(Chapter 2 Classification and Surveys)

(For external opinion inquiry)

Aug. 2019



## - Main Amendments -

(1) Effective date : 1 Jan. 2020 (Date of which application for survey is submitted)

● To reflect IACS UR Z15 (Rev.3 May 2019) for CoC

| Present   | Amendment   | Reason  |
|---|---|---|
| <p style="text-align: center;"><b>CHAPTER 2 CLASSIFICATION AND SURVEYS</b></p> <p style="text-align: center;"><b>Section 1 General</b></p> <p>101. &lt;omitted&gt;</p> <p>102. Definition</p> <p>1.~ 12. &lt;omitted&gt;</p> <p><b>13. Prompt and thorough repair</b></p> <p>A <b>prompt and thorough repair</b> is a permanent repair completed at the time of survey to the satisfaction of the Surveyor, therein removing the need for the imposition of any associated <u>condition of classification, or recommendation.</u></p> <p><b>103. Repairs</b></p> <p>1. ~ 2. &lt;omitted&gt;</p> <p><b>3.</b> Where the damage found on structure mentioned in <b>Par 1</b> is isolated and of a localised nature which does not affect the unit's structural integrity, consideration may be given by the Surveyor to allow an appropriate temporary repair to restore watertight or weather tight integrity and impose a <u>Recommendation/Condition of Class</u> in accordance with IACS PR No.35(Procedure for Imposing and Clearing <u>Recommendation/Condition of Class</u>), with a specific time limit.</p> <p>&lt;omitted&gt;</p> | <p style="text-align: center;"><b>CHAPTER 2 CLASSIFICATION AND SURVEYS</b></p> <p style="text-align: center;"><b>Section 1 General</b></p> <p>101. &lt;same as the current Rules&gt;</p> <p>102. Definition</p> <p>1.~ 12. &lt;same as the current Rules&gt;</p> <p><b>13. Prompt and thorough repair</b></p> <p>A <b>prompt and thorough repair</b> is a permanent repair completed at the time of survey to the satisfaction of the Surveyor, therein removing the need for the imposition of any associated <u>Condition of Class.</u> (2020)</p> <p><b>103. Repairs</b></p> <p>1. ~ 2. &lt;same as the current Rules&gt;</p> <p><b>3.</b> Where the damage found on structure mentioned in <b>Par 1</b> is isolated and of a localised nature which does not affect the unit's structural integrity, consideration may be given by the Surveyor to allow an appropriate temporary repair to restore watertight or weather tight integrity and impose a <u>Condition of Class</u> in accordance with IACS PR No.35(Procedure for Imposing and Clearing <u>Condition of Class</u>), with a specific time limit. (2020)</p> <p>&lt;same as the current Rules&gt;</p> | <p>- aligned with other UR Z such as Z10 series</p> <p>- reflected IACS UR Z15 (Rev.3 May 2019) 1.3.3</p> |