

(Draft)

Amended MOU/MODU Rules

(Part 2 Classification and Surveys)

(for external opinion inquiry)

Dec. 2020



Hull Rule Development Team

- Main Amendments -

(1) Effective date : 1 July 2021 (The contract date for ship construction)

● To reflect the revision of IACS Z28(New Oct 2020)

- A global unified standard is required to improve the installation and maintenance of Pressure-Rated MCT/Transit systems.
- In order to properly maintain MOU structures and promote vessel safety during water ingress, a better method is necessary to document and manage installation, maintenance, and repair of MCT/Transit systems.

(1) Effective date : 1 July 2021

(The contract date for ship construction)

Present	Amendment	Note
<p style="text-align: center;">CHAPTER 2 CLASSIFICATION AND SURVEYS</p> <p style="text-align: center;">Section 1 General <omitted> Section 2 Classification</p> <p>201. ~ 203. <omitted></p> <p>204. Classification Survey during Construction</p> <p>1. ~ 3. <omitted></p> <p>4. Tests</p> <p>At the Classification Survey during Construction, hydrostatic tests, leak tests, hose tests and performance tests, etc are to be carried out in accordance with the relevant requirements of this Rules. <newly added></p>	<p style="text-align: center;">CHAPTER 2 CLASSIFICATION AND SURVEYS</p> <p style="text-align: center;">Section 1 General <same as the current Guidances> Section 2 Classification</p> <p>201. ~ 203. <same as the current Guidances></p> <p>204. Classification Survey during Construction</p> <p>1. ~ 3. <same as the current Guidances></p> <p>4. Tests</p> <p>At the Classification Survey during Construction, hydrostatic tests, leak tests, hose tests and performance tests, etc are to be carried out in accordance with the relevant requirements of this Rules. In addition, the survey of watertight cable penetrations(bulkheads and decks) is to be in accordance with the following. (2021)</p> <p>(1) Surveys of Watertight Cable Transits (2021)</p> <p>(A) Watertight cable transits are to be installed and maintained in accordance with the manufacturer's requirements and in accordance with the requirements of the relevant Type Approval certification.</p> <p>(B) watertight cable transit seal systems should be inspected in accordance with item 8.6, Table 1 of Annex 1-12, Guidance Pt 1.</p> <p>(C) Cable Transit Seal Systems Register</p> <p>(a) A Cable Transit Seal Systems Register (Register) is to be provided by the shipbuilder for all watertight cable transits fitted to the vessel. For an example of a register see Appendix 1-12-4 "Recommendatory Sample - Cable Transit Seal Systems Register". The Register can be in either a hard copy or digitized media. It is to include a marking/ identification system, documentation referencing manufacturer manual(s) for each type of cable transit installed, the Type Approval certification for each type of transit system, applicable installation drawings, and a recording of each installed transit documenting the as built condition after final inspection in the shipyard. It is to include sections to record any inspection, modification, repair and maintenance.</p>	<p>A global unified standard is required to improve the installation & maintenance of Pressure-Rated MCT/Transit systems.</p> <p>To properly maintain Ship structures and promote vessel safety during water ingress, a better method is necessary to document and manage installation, maintenance, and repair of MCT/Transit systems.</p> <p>– reflected 1.2 of IACS UR Z28 (New, Oct 2020)</p> <p>– reflected 1.3 of IACS UR Z28 (New, Oct 2020)</p> <p>– reflected 2 & 2.1.1 of IACS UR Z28 (New, Oct 2020)</p>

Present	Amendment	Note
	<p><u>(b) The Register shall be reviewed by the attending Surveyor to confirm it contains a list of the watertight cable transits, applicable cable transit information and sections to maintain in-service maintenance and survey records.</u></p> <p><u>(c) For manned vessels the Register is to be held onboard of the vessel or MOU. For unmanned vessels, if a suitable storage location does not exist onboard, the Register may be held ashore. The Register is to be readily available for the attending surveyor.</u></p> <p><u>(D) For installation and maintenance of Watertight Cable Transits, it is to be confirmed that:</u></p> <p><u>(a) Cable transits have been installed, and where disrupted have been reinstated, in accordance with the manufacturer's requirements and in accordance with the requirements of Type Approval.</u></p> <p><u>(b) Where specified, appropriate specialized tools have been used.</u></p>	<p>– reflected 2.1.2 of IACS UR Z28</p> <p>– reflected 2.1.3 of IACS UR Z28</p> <p>– reflected 3 of IACS UR Z28</p>

Present	Amendment	Note
<p style="text-align: center;">Section 3 Surveys</p> <p>301. General <omitted> 302. Annual Survey</p> <p>1. ~ 2. <omitted></p> <p>3. Hull, structure and equipment</p> <p>At each Annual Survey the exposed parts of the hull, deck, deck house, structures attached to the deck, derrick substructure, including supporting structure, accessible internal spaces, and the applicable parts listed below are to be generally examined and placed in satisfactory condition as found necessary. ~.</p> <p>(1) All units (A) ~ (L) <omitted> <u><newly added></u></p>	<p style="text-align: center;">Section 3 Surveys</p> <p>301. General <same as the current Guidances> 302. Annual Survey</p> <p>1. ~ 2. <same as the current Guidances></p> <p>3. Hull, structure and equipment</p> <p>At each Annual Survey the exposed parts of the hull, deck, deck house, structures attached to the deck, derrick substructure, including supporting structure, accessible internal spaces, and the applicable parts listed below are to be generally examined and placed in satisfactory condition as found necessary. ~.</p> <p>(1) All units (A) ~ (L) <same as current Rules> <u>(M) Surveys of Watertight Cable Transits (2021)</u> <u>(a) Watertight cable transits are to be installed and maintained in accordance with the manufacturer's requirements and in accordance with the requirements of the relevant Type Approval certification.</u> <u>(b) The owner is to maintain the Register to record any disruption (repair, modification or opening out and closing) to a cable transit or to record the installation of a new cable transit.</u> <u>(c) Cable transits have been installed, and where disrupted have been reinstated, in accordance with the manufacturer's requirements and in accordance with the requirements of Type Approval.</u> <u>(d) Where specified, appropriate specialized tools have been used.</u> <u>(e) The Register is to be reviewed to confirm it is being maintained and as far as practicable the transits are to be examined to confirm their satisfactory condition.</u> <u>(f) Where there are records entered since the last annual survey of any disruption to the cable transits or installation of new cable transits, the satisfactory condition of those transits is to be confirmed by review of records and, if deemed necessary, by examination. The results are to be recorded in the Register against the specific cable transit.</u></p>	<p>A global unified standard is required to improve the installation & maintenance of Pressure-Rated MCT/Transit systems.</p> <p>To properly maintain Ship structures and promote vessel safety during water ingress, a better method is necessary to document & manage installation, maintenance & repair of MCT/Transit systems.</p> <p>- reflected 1.2 of IACS UR Z28</p> <p>- reflected 2.2.1 of IACS UR Z28</p> <p>- reflected 3.1 of IACS UR Z28</p> <p>- reflected 4.2.1 of IACS UR Z28</p> <p>- reflected 4.2.2 of IACS UR Z28</p>

Present	Amendment	Note
<p>303. Special survey</p> <p>1. ~ 3. <omitted></p> <p>4. Special Survey No. 1</p> <p>(1) Hull, structure and equipments</p> <p>(A) All units</p> <p>The following parts are to be examined:</p> <p>(a) ~ (o) <omitted></p> <p><u><newly added></u></p>	<p>303. Special survey</p> <p>1. ~ 3. <same as the current Guidances></p> <p>4. Special Survey No. 1</p> <p>(1) Hull, structure and equipments</p> <p>(A) All units</p> <p>The following parts are to be examined:</p> <p>(a) ~ (o) <same as the current Guidances></p> <p><u>(p) Surveys of Watertight Cable Transits (2021)</u></p> <p><u>(i) The requirements for Special Survey may be undertaken by the attending Surveyor or by a firm approved as a service supplier according to the Guidance for Approval of Service Suppliers.</u></p> <p><u>(ii) All transits are to be examined to confirm their satisfactory condition and the Register is to be reviewed to confirm it is being maintained. The Special Survey is to be recorded in the Register, in which a single record entry will be sufficient to record the survey of all transits.</u></p> <p><u>(iii) From review of the Register, where there are records entered since the last special survey of any disruption to the cable transits or installation of new cable transits (except which are reviewed and examined at previous annual surveys), the satisfactory condition of those transits is to be confirmed by the attending Surveyor by review of records and examination of the transits; the results are to be recorded in the Register against each of those cable transits.</u></p> <p><u>(iv) In case the cable transits have been examined by an approved service supplier, the attending surveyor is to review the Register in order to ascertain that it has been properly maintained by the owner and correctly endorsed by the service supplier.</u></p>	<p>– reflected 4.1.1 of IACS UR Z28</p> <p>– reflected 4.1.2 of IACS UR Z28</p> <p>– reflected 4.1.3 of IACS UR Z28</p> <p>– reflected 4.1.4 of IACS UR Z28</p>