Appendix I Summaries of IACS Resolutions published in 2019

Summary of New/Revisions to IACS Unified Requirements published in 2019

New Revised Corrigenda Deleted/Withdrawn

Index	Resolution no.	Revision	Adoption	Title	Implemention Date
1	UR M52	Rev.1	Jan 2019	Length of Aft Stern Bush Bearing	1 Jan 20
2	UR M35	Rev.8	Jan 2019	Alarms, Remote Indications and Safeguards for Main Reciprocating I.C. Engines Installed in Unattended Machinery Spaces	1 Jan 20
3	UR M72	Rev.2	Jan 2019	Certification of Engine Components	1 Jan 20
4	UR S17	Rev.10	Mar 2019	Longitudinal Strength of Hull Girders in Flooded Condition for Non-CSR Bulk Carriers	1 Jul 20
5	UR S18	Rev.10	Mar 2019	Evaluation of Scantlings of Corrugated Transverse Watertight Bulkheads in Non-CSR Bulk Carriers Considering Hold Flooding	1 Jul 20
6	UR S21A	Corr.2	Mar 2019	Evaluation of Scantlings of Hatch Covers and Hatch Coamings and Closing Arrangements of Cargo Holds of Ships	-
7	UR S30	Corr.1	Mar 2019	Cargo Hatch Cover Securing Arrangements for Bulk Carriers not Built in Accordance with UR S21 (Rev.3)	-
8	UR Z17	Rev.14	Mar 2019	Procedural Requirements for Service Suppliers	1 Jan 20
9	UR Z3	Rev.8	Apr 2019	Periodical Survey of the Outside of the Ship's Bottom and Related Items	1 Jul 20
10	UR M80	New	May 2019	Requirements for AC Generating Sets	1 Jul 20
11	UR Z7	Rev.28	May 2019	Hull Classification Surveys	1 Jul 20
12	UR Z7.2	Rev.8	May 2019	Hull Surveys for Liquefied Gas Carriers	1 Jul 20
13	UR Z10.1	Rev.24	May 2019	Hull Surveys of Oil Tankers	1 Jul 20
14	UR Z10.2	Rev.36	May 2019	Hull Surveys of Bulk Carriers	1 Jul 20
15	UR Z10.3	Rev.19	May 2019	Hull Surveys of Chemical Tanker	1 Jul 20
16	UR Z10.4	Rev.16	May 2019	Hull Surveys of Double Hull Oil Tankers	1 Jul 20
17	UR Z10.5	Rev.19	May 2019	Hull Surveys of Double Skin Bulk Carriers	1 Jul 20
18	UR Z15	Rev.3	May 2019	Hull, Structure, Equipment and Machinery Surveys of Mobile Offshore Drilling Units	1 Jul 20
19	UR Z20	Rev.2	May 2019	Planned Maintenance Scheme (PMS) for Machinery	1 Jul 20
20	UR Z1	Rev.7	May 2019	Annual and Intermediate Classification Survey Coverage of IMO Resolution A.1120(30)	-

Index	Resolution no.	Revision	Adoption	Title	Implemention Date
21	UR A3	Rev.1	Jun 2019	Anchor Windlass Design and Testing	1 Jul 20
22	UR Z7.1	Rev.15	Jun 2019	Hull Surveys for General Dry Cargo Ships	1 Jul 20
23	UR M59	Deleted	Jun 2019	Control and Safety Systems for Dual Fuel Diesel Engines	-
24	UR W23	Corr.1	Jun 2019	Approval of Welding Consumables for High Strength Steels for Welded Structures	-
25	UR W35	New	Jun 2019	Requirements for NDT Suppliers	1 Jul 20
26	UR S2	Rev.2	Jun 2019	Definition of Ship's Length L and of Block Coefficient Cb	1 Jul 20
27	UR S5	Corr.1	Jun 2019	Calculation of Midship Section Moduli for Conventional Ship for Ship's Scantlings	1 Jul 20
28	UR S11	Rev.9	Jun 2019	Longitudinal Strength Standard	1 Jul 20
29	UR M53	Rev.4	Aug 2019	Calculations for I.C. Engine Crankshafts	1 Jan 21
30	UR M77	Rev.1	Aug 2019	Storage and Use of SCR Reductants	1 Jan 21
31	UR S10	Rev.6	Sep 2019	Rudders, Sole Pieces and Rudder Horns	1 Jan 21
32	UR M52	Rev.2	Nov 2019	Length of Aft Stern Bush Bearing	1 Jan 21
33	UR S33	Rev.2	Dec 2019	Requirements for Use of Extremely Thick Steel Plates in Container Ships	1 Jan 21
34	UR W31	Rev.2	Dec 2019	YP47 Steels and Brittle Crack Arrest Steels	1 Jan 21
35	UR E25	Rev.1	Dec 2019	Failure Detection and Response of All Types of Steering Control Systems	1 Jan 21
36	UR G3	Rev.7	Dec 2019	Liquefied Gas Cargo and Process Piping	1 Jan 21
37	UR I2	Rev.4	Dec 2019	Structural Requirements for Polar Class Ships	1 Jan 21
38	UR W33	New	Dec 2019	Non-destructive Testing of Ship Hull Steel Welds	1 Jul 21
39	UR W34	New	Dec 2019	Advanced Non-destructive Testing of Materials and Welds	1 Jul 21

Summary of New/Revisions to IACS Unified Requirements published in 2019

1. UR M52 (Rev.1 Jan 2019)

UR M52 provides the requirements for length of aft stern bush bearing considering oil lubricated bearings and water lubricated bearings. This revision has amended the requirements for water lubricated bearings.

2. UR M35 (Rev.8 Jan 2019)

UR M35 provides requirements for alarms, remote indications and safeguards for main reciprocating I.C. engines installed in unattended machinery spaces. This revision has aligned UR M35 with UR M10.8 regarding the use of engine bearing temperature monitors or equivalent devices instead of an oil mist detection arrangement to protect the engine crankcases.

3. UR M72 (Rev 2 Jan 2019)

UR M72 provides requirements for the certification of engine components. This revision has clarified the certificate definitions and the requirements applying to high pressure fuel systems. It also contained changes related to testing requirements and minor corrections.

4. UR S17 (Rev.10 Mar 2019)

UR S17 (Rev 7 & above) provides requirements for longitudinal strength of hull girders in flooded condition for non-CSR bulk carriers of 150 m in length and upwards. This revision has clarified that UR S17 is applicable to self-unloading bulk carrier only if the unloading system maintains watertightness during seagoing operations.

5. UR S18 (Rev.10 Mar 2019)

UR S18 (Rev 7 & above) provides requirements for scantlings of corrugated transverse watertight bulkheads in non-CSR bulk carriers of 150 m in length and upwards, considering hold flooding. This revision has clarified that UR S18 is applicable to self-unloading bulk carriers only if the unloading system maintains watertightness during seagoing operations.

6. UR S21A (Corr.2 Mar 2019)

UR S21A provides requirements for scantlings of hatch covers, hatch coamings and closing arrangements of cargo holds of all ships except bulk carriers, self-unloading bulk carriers, ore carriers and combination carriers. This corrigendum clarified that UR S21A is not applicable to self-unloading bulk carriers.

7. UR S30 (Corr.1 Mar 2019)

UR S30 provides requirements for cargo hatch cover securing arrangements for bulk carriers not built in accordance with UR S21. This corrigendum clarified that UR S30 is not applicable to self-unloading bulk carriers.

8. UR Z17 (Rev.14 Mar 2019)

UR Z17 sets minimum requirements for approval and certification of service suppliers and is applicable to both initial and renewal audits. This revision aligned UR Z17 with the requirements of Resolution MSC. 402(96).

9. UR Z3 (Rev.8 Apr 2019)

UR Z3 provides requirements for periodical survey of the outside of the ship's bottom and related Items. This revision addressed the inconsistency between UR Z7 2.2.2.1 and UR Z3.1.6 relevant to the dry dock survey requirements for liquefied gas carriers.

10. UR M80 (New May 2019)

UR M80 introduced requirements for AC generating sets (i.e. reciprocating internal combustion engines, alternators and couplings in addition to those stated in UR E13, UR M3, UR M51, and UR M53.

11. UR Z7 (Rev. 28 May 2019)

12. UR Z7.2 (Rev. 8 May 2019)

13. UR Z10.1 (Rev.24 May 2019)

14. UR Z10.2 (Rev. 36 May 2019)

15. UR Z10.3 (Rev.19 May 2019)

16. UR Z10.4 (Rev. 16 May 2019)

17. UR Z10.5 (Rev. 19 May 2019)

18. UR Z15 (Rev. 3 May 2019)

19. UR Z20 (Rev. 2 May 2019)

Publications from 11-19 were revised to harmonise the terms 'Recommendation' and 'Condition of class' with only the term 'Condition of class' being retained. Additionally, publications 11 and 12 were revised to use the harmonised terms of ballast tanks for their survey requirements.

20. UR Z1 (Rev. 7 May 2019)

UR Z1 identifies the annual and intermediate survey requirements of HSSC guidelines, which are to be covered by classification surveys. This revision updated the survey items following the publication of IMO Res. A. 1120(30) Survey Guidelines Under the Harmonised System of Survey and Certification, (HSSC) 2017.

21. UR A3 (Rev.1 June 2019)

UR A3 provides general requirements, application scope, definitions, plans and documents, material, design requirements and test requirements. This revision provided additional exceptions for the selection of welding consumables and aligned marking in UR A3 with that of ISO4568:2006

22. UR Z7.1 (Rev. 15 June 2019)

UR Z7.1 provides the requirements of hull surveys for general dry cargo ships and is applicable to all self-propelled general dry cargo ships of 500 GT and above except for few cargo types listed in the UR. This revision harmonised the terms 'Recommendation' and 'Condition of class' with only the term 'Condition of class' being retained and harmonised terms of ballast tanks for their survey requirements. Furthermore, the references to SOLAS regulation II-1/23-3 were replaced by regulation II- 1/25.

23. UR M59 (Del June 2019)

24. UR W23 (Corr.1 June 2019)

UR W23 supplements UR W17 and gives conditions of approval and inspection of welding consumables used for high strength steels for welded structures according to UR W16. This corrigendum clarified that for grade Y89 and Y96, where the design requirements permit undermatching weld joints, then welding consumables within the scope of this UR may be considered.

25. UR W35 (New June 2019)

UR W35 was developed to provide requirements for non-destructive testing (NDT) suppliers. These Unified Requirements ensure that a supplier uses appropriate procedures, has qualified and certified personnel and has implemented written procedures for training, experience, education, examination, certification, performance, application, control, verification and reporting of NDT.

26. UR S2 (Rev.2 June 2019)

UR S2 provides the definition of ship's length L and of block coefficient Cb. This revision has aligned the length definition in UR S2 with that of CSR BC & OT to avoid discrepancy between IACS resolutions and CSR.

Summary of New/Revisions to IACS Unified Requirements published in 2019

27. UR S5 (Corr.1 June 2019)

UR S5 provides the calculation of midship section moduli for conventional ships for ship's scantlings. This Corrigendum has corrected a measuring unit of angle.

28. UR S11 (Rev.9 June 2019)

UR S11 provides the requirements for longitudinal strength and is applicable to steel ships of length 90 m and above. This revision has removed references to UR S25 (Deleted) and containerships which are covered by UR S11A.

29. UR M53 (Rev.4 Aug 2019)

UR M53 provides the requirements for the design of crankshafts to be applied to I.C. engines for propulsion and auxiliary purposes, where the engines are capable of continuous operation at their rated power when running at rated speed. This revision amended the formula for the calculation of the acceptability factor (Q) for crankpin oil bore in Appendix IV, paragraph 4.3.

30. UR M77 (Rev.1 Aug 2019)

UR M77 provides the requirements for storage and use of SCR reductants which are typically carried on board in bulk quantities. This revision clarified the requirements in paragraphs 2.4, 2.6, 2.8 and 2.10 for uniform implementation.

31. UR S10 (Rev.6 Sep 2019)

UR S10 provides the requirements for rudders, sole pieces and rudder horns. This revision has updated the requirements based on feedback received from industry and members' practical experience.

32. UR M52 (Rev.2 Nov 2019)

UR M52 provides the requirements for length of aft stern bush bearing in consideration of oil lubricated bearings and water lubricated bearings. This revision introduced requirements for grease lubricated bearings and for the type approval of synthetic materials for oil lubricated stern tube bearings.

33. UR S33 (Rev.2 Dec 2019)

UR S33 provides the requirements for the use of extremely thick steel plates in container ships and also provides measures for the prevention of brittle fracture. This revision provided the conditions of application of the BCA steels on container ships for the deck and the hatch coaming side in consistency with the updated UR W31.

34. UR W31 (Rev.2 Dec 2019)

UR W31 defines the requirements on YP47 steels and brittle crack arrest steels as required by UR S33. This revision dealt with the properties for brittle crack arrest steels referred to in UR S33 with thickness exceeding 80 mm and up to 100 mm. Requirements for testing and approval procedures had also been revised.

35. UR E25 (Rev.1 Dec 2019)

UR 25 deals with the failure detection and response of all types of steering control systems. The UR provides more details on which failures shall be alarmed and provides the operator with sufficient information to decide what action is required for the different failure scenarios. This revision has clarified the intention and the requirements of 2.1 Paragraph.

36. UR G3 (Rev.7 Dec 2019)

UR G3 provides general principles for approval and survey of the relevant items of liquefied gas tankers for classification purposes. These requirements are applicable to liquefied gas cargo and process piping including cargo gas piping and exhaust lines of safety valves or similar piping. This revision introduced/amended the requirements in accordance with the new IGC Code (Res. MSC.370(93)).

37. UR I2 (Rev.4 Dec 2019)

UR I2 provides the structural requirements for polar class ships. This revision introduced the definitions for the ship length (LUI), moulded breadth (BUI) and the displacement (DUI) measured at the upper ice waterline (UIWL). Additionally, table 8 had been updated in accordance with UR W11.

38. UR W33 (New Dec 2019)

UR W33 introduced minimum requirements on the methods and quality levels that are to be adopted for non-destructive testing (NDT) of ship hull structure steel welds during new building.

39. UR W34 (New Dec 2019)

UR W34 introduced minimum requirements on the methods and quality levels that are to be adopted for advanced non-destructive testing (ANDT) of materials and welds during new building of ships.

Summary of New/Revisions to IACS Unified Interpretations published in 2019

New Revised Corrigenda Deleted/Withdrawn

Index	Resolution no.	Revision	Adoption	Title	Implemention Date
1	UI GC24	Rev.1	Feb 2019	Fire Test for Emergency Shutdown Valves	1 Jan 20
2	UI GF18	New	Feb 2019	Level Indicator in the Bilge Well of Tank Connection Spaces of Independent Liquefied Gas Storage Tanks	1 Jan 20
3	UI SC6	Rev.1	Mar 2019	Emergency Source of Electrical Power on Gas Carriers and Chemical Tankers	Refer UI
4	UI SC190	Rev.1	Apr 2019	IACS Unified Interpretations (UI) SC 190 for Application of SOLAS Regulation II-1/3-6 (Res MSC.134(76)) and Technical Provisions on Permanent Means of Access (Res MSC.133(76))	1 Jul 19
5	UI SC191	Rev.8	Apr 2019	IACS Unified Interpretations (UI) SC 191 for the Application of Amended SOLAS Regulation II-1/3-6 (resolution MSC.151(78)) and Revised Technical Provisions for Means of Access for Inspections (Res MSC.158(78))	1 Jul 19
6	UI GC20	New	Apr 2019	Tee welds in type A or type B Independent Tanks	1 Jul 20
7	UI GC21	New	Apr 2019	Welds of Type C Independent Bi-lobe Tank with Centreline Bulkhead	1 Jul 20
8	UI GC29	New	May 2019	Integrated Systems	1 Jul 20
9	UI GC25	Rev.1	May 2019	Cargo Piping Insulation	1 Jul 20
10	UI GC13	Rev.2	May 2019	Examination Before and After the First Loaded Voyage	1 Jul 20
11	UI GC22	New	Jun 2019	Water Spray System	1 Jul 19
12	UI SC289	Withdrawn	Jul 2019	Separation Arrangements between Inert Gas Piping and Cargo Tanks	-
13	UI MPC130	New	Nov 2019	NOx Technical Code 2008, Chapter 2, Paragraph 2.2.5.1	1 Jul 20
14	UI MPC112	Rev.1	Nov 2019	Resolution MEPC. 291(71), Paragraph 3.2.8	1 Jul 20
15	UI MPC115	Rev.1	Nov 2019	Resolution MEPC.291(71), Paragraph 3.2.11	1 Jul 20
16	UI MPC116	Rev.1	Nov 2019	Resolution MEPC.291(71), Paragraph 3.2.12	1 Jul 20
17	UI MPC30	Rev.1	Nov 2019	NOx Technical Code 2008, Table 3 – Symbols and Subscripts for Terms and Variables	1 Jul 20
18	UI MPC40	Rev.1	Nov 2019	NOx Technical Code 2008, Chapter 2, Paragraph 2.3.9	1 Jul 20
19	UI MPC45	Rev.1	Nov 2019	NOx Technical Code 2008, Chapter 2, Paragraph 2.4.1.7	1 Jul 20
20	UI MPC53	Rev.1	Nov 2019	NOx Technical Code 2008, Chapter 4, Paragraphs 4.1.1 to 4.1.4	1 Jul 20
21	UI MPC54	Rev.1	Nov 2019	NOx Technical Code 2008, Chapter 4, Paragraphs 4.3.1 and 4.4.1	1 Jul 20
22	UI MPC58	Rev.1	Nov 2019	NOx Technical Code 2008, Chapter 4, Paragraphs 4.3.10.2 and 4.3.10.3	1 Jul 20
23	UI MPC77	Rev.1	Nov 2019	NOx Technical Code 2008, Chapter 6, Paragraph 6.2.1.2	1 Jul 20

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Index	Resolution no.	Revision	Adoption	Title	Implemention Date
24	UI MPC33	Rev.2	Nov 2019	NOx Technical Code 2008, Chapter 2, Paragraph 2.2.4.1	1 Jul 20
25	UI MPC51	Rev.2	Nov 2019	NOx Technical Code 2008, Chapter 3, Paragraph 3.2.1	1 Jul 20
26	UI MPC59	Rev.1	Nov 2019	NOx Technical Code 2008, Chapter 4, Paragraphs 4.4.6.2 and 4.4.6.3	1 Jul 20
27	UI MPC74	Rev.1	Nov 2019	NOx Technical Code 2008, Chapter 5, Paragraph 5.10.1	1 Jul 20
28	UI SC123	Rev.3 reinstated	Nov 2019	Machinery Installations - Service Tank Arrangements Reg. II-1/26.11	-
29	UI GC23	New Corr.1	Dec 2019	Cargo Tank Structure Heating Arrangement Power Supply	-
30	UI SC209	Rev.1	Dec 2019	SOLAS XII/6.4.3 in terms of redundancy of stiffening structural members for vessels not designed according to CSR	1 Jul 20
31	UI MODU3	Withdrawn	Dec 2019	Selective disconnection or shutdown and equipment operable after an emergency shutdown	-
32	UI GC28	Rev.1	Dec 2019	Guidance for sizing pressure relief systems for interbarrier spaces	1 Jan 20
33	UI SC212	Corr.3	Dec 2019	Shipboard fittings and supporting hull structures associated with towing and mooring on conventional vessels	-
34	UI SC153	Corr.1	Dec 2019	Rudder stock diameter	-
35	UI GC25	Corr.1	Dec 2019	Cargo piping insulation	-
36	UI GC26	Corr.1	Dec 2019	Type testing requirements for valves	-
37	UI GC27	Corr.1	Dec 2019	Level indicators for cargo tanks	-
38	UI GC29	Corr.1	Dec 2019	Integrated systems	-
39	UI MPC105	Deleted	Nov 2019	Gaseous emissions calculation of marine diesel engines fitted with SCR systems.	-
40	UI MPC108	Deleted	Nov 2019	Resolution MEPC.198(62), Section 3.2.1.3	-
41	UI MPC109	Deleted	Nov 2019	Resolution MEPC.198(62), Section 3.2.1.4	-
42	UI MPC110	Deleted	Nov 2019	Resolution MEPC.198(62), Section 3.2.1.6	-
43	UI MPC111	Deleted	Nov 2019	Resolution MEPC.198(62), Section 3.2.1.7	-
44	UI MPC113	Deleted	Nov 2019	Resolution MEPC.198(62), Section 3.2.1.9	-
45	UI MPC114	Deleted	Nov 2019	Resolution MEPC.198(62), Section 3.2.1.10	-
46	UI MPC117	Deleted	Nov 2019	Resolution MEPC.198(62), Section 3.5.2	-
47	UI MPC118	Deleted	Nov 2019	Resolution MEPC.198(62), Section 4.1	-
48	UI MPC120	Deleted	Nov 2019	Resolution MEPC.198(62), Section 5.2.2	-
49	UI MPC122	Deleted	Nov 2019	Resolution MEPC.198(62), Section 6.3.2.1.2	-
50	UI MPC123	Deleted	Nov 2019	Resolution MEPC.198(62), Section 6.3.2.1.5	-

Summary of New/Revisions to IACS Unified Interpretations published in 2019

Index	Resolution no.	Revision	Adoption	Title	Implemention Date
51	UI MPC126	Deleted	Nov 2019	NOx Technical Code 2008, Chapter 4, Paragraph 4.4.6.2	-
52	UI MPC31	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 1.2.1	-
53	UI MPC34	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 2.2.5	-
54	UI MPC35	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 2.2.8	-
55	UI MPC36	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 2.2.9	-
56	UI MPC37	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 2.3.4	-
57	UI MPC38	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 2.3.5	-
58	UI MPC39	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 2.3.6	-
59	UI MPC41	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 2.3.12	-
60	UI MPC42	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 2.3.13	-
61	UI MPC43	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 2.4.1.1	-
62	UI MPC44	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 2.4.1.5	-
63	UI MPC46	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 2.4.2	-
64	UI MPC47	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 2.4.4.3	-
65	UI MPC48	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 2.4.5	-
66	UI MPC49	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 3.1.1	-
67	UI MPC50	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 3.1.3	-
68	UI MPC52	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 3.2.3	-
69	UI MPC55	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 4.3.7, 4.3.10.6 and 4.4.8	-
70	UI MPC56	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 4.3.9.1 and 4.4.7	-
71	UI MPC57	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 4.3.9.2	-
72	UI MPC60	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 5.2.2.2	-
73	UI MPC61	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 5.2.5	-
74	UI MPC62	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 3.1.3	-
75	UI MPC63	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 5.5.3	-
76	UI MPC64	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 5.6	-
77	UI MPC65	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 5.9.1.2	-
78	UI MPC66	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 5.9.2	-

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Index	Resolution no.	Revision	Adoption	Title	Implemention Date
79	UI MPC67	Deleted	Nov 2019	R1997 NOx Technical Code, Chapter 5.9.2.3	-
80	UI MPC68	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 5.9.3.1	-
81	UI MPC69	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 5.9.3.2	-
82	UI MPC70	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 5.9.6.1	-
83	UI MPC71	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 5.9.6.2	-
84	UI MPC72	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 5.9.7	-
85	UI MPC73	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 5.9.9	-
86	UI MPC75	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 5.11	-
87	UI MPC76	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 5.12.4.1	-
88	UI MPC78	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 6.2.3.4.2	-
89	UI MPC79	Deleted	Nov 2019	1997 NOx Technical Code, Chapter 6.2.3.5	-
90	UI MPC80	Deleted	Nov 2019	Appendix 4 (Chapter 5 of the 1997 NOx Technical Code), 1.1	-
91	UI MPC81	Deleted	Nov 2019	Appendix 4 (Chapter 5 of the 1997 NOx Technical Code), 8.1	-
92	UI PASSUB1	Deleted	Dec 2019	Viewports in Passenger Submersible Craft	-

1. UI GC24 (Rev.1 Feb 2019)

UI GC24 provides interpretation for emergency shutdown valves mentioned in paragraph 5.13.1.1.4 of the IGC Code (MSC.370(93)). This revision aligned UI GC24 with the text agreed by CCC5 (CCC 5/13, Para 8.36).

2. UI GF18 (New Feb 2019)

UI GF18 provides interpretation of the level indicator in the bilge well of tank connection spaces of independent liquefied gas storage tanks mentioned in Paragraph 15.3.2 of the IGF Code (MSC Res.391(95)), allowing the use of level switches.

3. UI SC6 (Rev.1 Mar 2019)

UI SC6 provides interpretation for the emergency source of electrical power on gas carriers and chemical tankers mentioned in the regulation 43.6, Chapter II-1 of SOLAS. This revision aligned UI SC6 with the IGC Code (MSC.370(93)).

4. UI SC190 (Rev.1 Apr 2019)

UI SC190 provides interpretation for the application of SOLAS Regulation II-1/3-6 (Res MSC.134(76)) and technical provisions on permanent means of access (Res MSC.133(76)). In this revision, the reference to “Resolution A.744(18)” was replaced with “the ESP Code”.

5. UI SC191 (Rev. 8 Apr 2019)

UI SC191 provides interpretation for the application of amended SOLAS regulation II- 1/3-6 (Resolution MSC.151(78)) and revised technical provisions for means of access for inspections (Resolution MSC.158(78)). In this revision, the reference to “Resolution A.1049(27)” was replaced with “the ESP Code, as amended”.

6. UI GC20 (New Apr 2019)

UI GC20 provides interpretation for "For dome-to-shell connections only" in Regulation 4.20.1.1 of the IGC Code (MSC.370(93)) regarding tank construction weld joints, such as the utilisation of tee welds for localised constructions and tank corners which shall be made of bent plating aligned with the tank surfaces and connected with in-plane welds.

7. UI GC21 (New Apr 2019)

UI GC21 provides interpretation for "Other edge preparations" in Regulation 4.20.1.2 of the IGC Code MSC.370(93)) regarding tank construction weld joints, such as the utilisation of cruciform full penetration welded joints in a bi-lobe tank with centreline bulkhead.

8. UI GC29 (New May 2019)

UI GC29 provides interpretation for "integrated system" in paragraph 13.9.3 of the IGC Code (MSC.370(93)).

9. UI GC25 (Rev.1 May 2019)

UI GC25 provides interpretation for 'a thermal insulation system as required to minimise heat leak into the cargo during transfer operations' and 'cargo piping systems shall be provided with a thermal insulation system as required ... cold surfaces' in paragraph 5.12.3.1 of the IGC Code (MSC.370(93)). This UI was revised following the comments raised by CCC5 (CCC5/13 para 8.29 to 8.31).

10. UI GC13 (Rev.2 May 2019)

UR GC13 provides interpretation for paragraphs 4.10.14 and 4.10.16 of the IGC Code, as amended. This revision harmonised the terms of 'Recommendation' and 'Condition of class' with only the term 'Condition of class' being retained.

11. UI GC22 (New June 2019)

UI GC22 provides interpretation for paragraphs 11.3.1 & 11.3.3 of the new IGF Code (MSC.370(93)). UI GC22 (New Apr 2018) was replaced with UI GC22 (New June 2019) to align the UI GC22 with the text agreed by CCC5 (CCC5/13, Para 8.24).

12. UI SC289 (Withdrawn July 2019)

UI SC289 (New Dec 2018) was withdrawn on 8 July 2019 prior to coming into force on 1 Jan 2020.

13. UI MPC130 (New Nov 2019)

UI MPC130 provides interpretation that for the purpose of the first sentence of Regulation 2.2.5.1 of the NOx Technical Code 2008, a NOx-reducing device (e.g. SCR) is recognised as a component of the engine and as such the SCR will not be covered by MARPOL Annex VI, Regulation 4 - Equivalents.

14. UI MPC112 (Rev.1 Nov 2019)

UI MPC112 provides interpretation of terms contained in MEPC.291(71), Paragraph 3.2.8, in particular NOx measurement devices incorporated in a SCR feedback or feed forward reductant control system. This UI was updated based on amendments to the NOx Technical Code and on the adoption of the 2017 SCR Guidelines (Res. MEPC.291(71)).

15. UI MPC115 (Rev.1 Nov 2019)

UI MPC115 provides interpretation of terms contained in MEPC.291(71), Paragraph 3.2.11. This UI was updated based on amendments to the NOx Technical Code and on the adoption of the 2017 SCR Guidelines (Res. MEPC.291(71)).

16. UI MPC116 (Rev.1 Nov 2019)

UI MPC116 provides interpretation of terms contained in MEPC.291(71), Paragraph 3.2.12. This UI was updated based on amendments to the NOx Technical Code and on the adoption of the 2017 SCR Guidelines (Res. MEPC.291(71)).

17. UI MPC30 (Rev.1 Nov 2019)

UI MPC30 provides interpretation of terms contained in Table 3 - Symbols and subscripts for terms and variables of the Introduction to the NOx Technical Code 2008. This UI was updated based on amendments to the NOx Technical Code and on the adoption of the 2017 SCR Guidelines (Res. MEPC.291(71)).

Summary of New/Revisions to IACS Unified Interpretations published in 2019

18. UI MPC40 (Rev.1 Nov 2019)

UI MPC40 provides interpretation of the procedure for certification of an engine if any adjustment or modification is made which is outside the approval limits documented in the technical file, as a condition for the engine IAPP certificate. This UI was updated based on amendments to the NOx Technical Code 2008 adopted by Res.MEPC.177(58).

19. UI MPC45 (Rev.1 Nov 2019)

UI MPC45 provides interpretation of on-board NOx verification procedures and information about spare parts/components used in the engine. This UI was updated based on amendments to the NOx Technical Code 2008 adopted by Res.MEPC.177(58).

20. UI MPC53 (Rev.1 Nov 2019)

UI MPC53 provides interpretation regarding the application of the engine family and engine group concept according to chapter 4.1 of the NOx Technical Code 2008. This UI was updated based on amendments to the NOx Technical Code 2008 adopted by Res. MEPC.177(58).

21. UI MPC54 (Rev.1 Nov 2019)

UI MPC54 provides interpretation for issuing an EIAPP certificate for a subsequent member engine within an engine family. This UI was updated based on amendments to the NOx Technical Code 2008 adopted by Res.MEPC.177(58).

22. UI MPC58 (Rev.1 Nov 2019)

UI MPC58 provides interpretation for issuing an EIAPP certificate for a subsequent member engine within an engine family. This UI was updated based on amendments to the NOx Technical Code 2008 adopted by Res.MEPC.177(58).

23. UI MPC77 (Rev.1 Nov 2019)

UI MPC77 provides interpretation of paragraph 6.2.1.2, Chapter 6 of the NOx Technical Code 2008. This UI was updated based on amendments to the NOx Technical Code 2008 adopted by Res.MEPC.177(58).

24. UI MPC33 (Rev.2 Nov 2019)

UI MPC33 provides interpretation for engines undergoing an onboard certification test in order to be issued with an EIAPP Certificate, according to regulation 2.2.4.1 of the NOx Technical Code 2008. This UI was updated based on amendments to the NOx Technical Code 2008 adopted by Res.MEPC.177(58).

25. UI MPC51 (Rev.2 Nov 2019)

UI MPC51 provides interpretation on how test cycles are to be applied for verification of compliance with the applicable NOX emission limits contained in regulation 13 of MARPOL Annex VI and the provisions of the NOX Technical Code 2008. This UI was updated based on amendments to the NOx Technical Code 2008 adopted by Res.MEPC.177(58).

26. UI MPC59 (Rev.1 Nov 2019)

UI MPC59 provides interpretation for considering a rated power at rated speed as one parameter and be applied on a paragraph 4.4.6.3 of NOx technical code. This UI was updated based on amendments to the NOx Technical Code 2008 adopted by Res. MEPC.177(58).

27. UI MPC74 (Rev.1 Nov 2019)

UI MPC74 provides interpretation regarding the necessary data to fully define the engine performance and enable calculation of the gaseous emissions, in accordance with paragraph 5.12 of NOx technical code 2008. This UI was updated based on amendments to the NOx Technical Code and on the adoption of the 2017 SCR Guidelines (Res. MEPC.291(71)).

28. UI SC123 (Rev.3 Reinstated Nov 2019)

UI SC123 provides interpretation of the requirements for service tank arrangements in Regulation SOLAS II-1/26.11. Rev.3 of this UI is reinstated after carefully reviewing the discussions at both SDC 6 and MSC 101.

29. UI GC23 (Corr.1 Dec 2019)

UI GC23 provides interpretation of the requirements for cargo tank structure heating arrangement power supply in paragraph 4.19.1.6 of the IGC Code (MSC.370(93)). This corrigendum made editorial changes to the UI GC23 in line with MSC.1/Circ.1606.

30. UI SC209 (Rev.1 Dec 2019)

UI SC209 provides interpretation for redundancy of stiffening structural members for vessels not designed according to CSR (SOLAS regulation XII/6.4.3 and SLS.14/Circ.250). This revision has made corrections for references to SOLAS regulations and harmonised CSR.

31. UI MODU3 (Withdrawn Dec 2019)

UI MODU3 provides interpretation of 2009 MODU Code (as amended) paragraphs 6.5.1 and 6.5.5 for emergency shutdown (ESD) systems arranged with multiple levels of ESD. As the UI was not endorsed by SSE6, it has been withdrawn prior to coming into force on 1 January 2020.

32. UI GC28 (Rev.1 Dec 2019)

UI GC28 provides interpretation concerning the sizing of pressure relieving devices for interbarrier spaces of the second sentence of paragraph 8.1 of the IGC Code (MSC 370 (93)). This revision aligned UI GC28 with the text agreed by CCC6 (CCC 6/14, Annex 9).

33. UI SC212 (Corr.3 Dec 2019)

UI SC212 states that regardless of the date of contract for construction, ships with a keel laying date on or after 1 January 2007 are to comply with IACS UR A2. This corrigendum made editorial change to the IACS UR A2 reference.

34. UI SC153 (Corr.1 Dec 2019)

UI SC153 provides interpretation that the diameters mentioned in SOLAS II-1/29.3.3, 29.4.3 and 29.14 should be taken as having been calculated for rudder stock of mild steel with a yield stress of 235 N/mm2. This corrigendum made editorial changes to the SOLAS references.

35. UI GC25 (Corr.1 Dec 2019)

UI GC25 provides interpretation for "a thermal insulation system as required to minimise heat leak into the cargo during transfer operations" and "cargo piping systems shall be provided with a thermal insulation system as required ... cold surfaces" in paragraph 5.12.3.1 of the IGC Code (MSC.370(93)). This corrigendum aligned UI GC25 with the text agreed by CCC6 (CCC 6/14, Annex 9).

36. UI GC26 (Corr.1 Dec 2019)

UI GC26 provides interpretation for "shall be certified to a recognised standard" in paragraph 5.13.1.1.2 of the IGC Code (MSC.370(93)). This corrigendum aligned UI GC26 with the text agreed by CCC6 (CCC 6/14, Annex 9).

37. UI GC27 (Corr.1 Dec 2019)

UI GC27 provides interpretation for "can be maintained' in paragraph 13.2.2 of the IGC Code (MSC 370(93)). This corrigendum aligned UI GC27 with the text agreed by CCC6 (CCC 6/14, Annex 9).

38. UI GC29 (Corr.1 Dec 2019)

UI GC29 provides interpretation for an "integrated system" in paragraph 13.9.3 of the IGC Code (MSC.370(93)). This corrigendum aligned UI GC29 with the text agreed by CCC6 (CCC 6/14, Annex 9).

39-91. UI MPC Series (Del Nov 2019)

Publications listed from 39 to 91 were deleted in Nov 2019.

92. UI PASSUB1 (Del Dec 2019)

UI PASSUB1 was deleted considering existing IMO interpretation on the same subject.