

## Recommendation No.182 "Onshore Power Supply"

### Summary

In this Recommendation, the provisions for OPS (Onshore Power Supply) are provided to facilitate uniform and global implementation of the IMO interim guidelines, international standards and members Rules/Guides, covering constructional as well as operational aspects.

### Part A. Revision History

Version no.	Approval date	Implementation date when applicable
New (Dec 2024)	19 December 2024	-

- **New (Dec 2024)**

#### 1 Origin for Change:

- Other (In pursuit of GPG instruction via 19126\_IGc – Consider the need of UR on "cold ironing amongst the Members – C79 FUA 15)

#### 2 Main Reason for Change:

As the IMO interim guidelines are limited to operation aspects, it was deemed necessary to develop a Recommendation comprising both construction and operational requirements.

#### 3 Surveyability review of UR and Auditability review of PR

Not applicable.

#### 4 Human Element issues assessment

Not applicable.

#### 5 List of non-IACS Member classification societies contributing or participating in IACS Working Group:

None

#### 6 History of Decisions Made:

After deliberation on the GPG instruction via 19126\_IGc dated 23 August 2019, MP agreed to develop a REC on cold ironing when the IMO interim guidelines are approved.

By the time the IMO interim guidelines are finalized, MP prepared a draft REC based on the interim guidelines and IEC/IEEE standard and commenced discussions.

**7 Other Resolutions Changes:**

None

**8 Any hinderance to MASS, including any other new technologies:**

None

**9 Dates:**

Original Proposal	: 31 March 2020	(Ref: PM20910_IMa)
Panel Approval	: 03 December 2024	(Ref: PM20910_IMt)
GPG Approval	: 19 December 2024	(Ref: 19126_IGm)

\*\*\*\*\*

## **Part B. Technical Background**

List of Technical Background (TB) documents for Recommendation No. 182:

Annex 1. **TB for New (Dec 2024)**

See separate TB document in Annex 1.

# **Technical Background (TB) document for Rec 182 (New Dec 2024)**

## **1. Scope and objectives**

In this Recommendation, the provisions for OPS (Onshore Power Supply) are provided to facilitate uniform and global implementation of the IMO interim guidelines, international standards and members Rules/Guides, covering constructional as well as operational aspects.

## **2. Engineering background for technical basis and rationale**

As the IMO interim guidelines are limited to operational dimension, it is deemed necessary to develop a comprehensive guideline both for operational and constructional aspects, taking into account the IMO interim guidelines, Members Rules & Guides and International Standards such as IEC/IEEE 80005 series.

### **2a. Specification of the data utilised in the development/revision of the proposed IACS Resolution, if any**

N/A.

## **3. Source/derivation of the proposed IACS Resolution**

MSC.1/Circ.1675 -Interim Guidelines on The Safe Operation of Onshore Power Supply (OPS) Service in Port for Ships Engaged on International Voyages

IEC/IEEE 80005 series

Members Rules & Guides

IACS REC - Earthing guidelines for various systems (ref.: GPG 93 FUA 14) (19024)

## **4. Summary of Changes intended for the revised Resolution:**

None. (new publication)

## **5. Points of discussions or possible discussions**

There was an issue whether the document should only be dedicated to HVSC or cover both HVSC and LVSC.

As expressed in Introduction of the document, it addresses general issues and specific requirements for HVSC and the requirements for LVSC will be further updated when the international standards for LVSC be published. And it is the basic principle of the document that the part not specifically indicated is universally applicable to both HVSC and LVSC and when there is specific indication such as HVSC or LVSC in the paragraph, it is only applicable to HVSC or LVSC. For the time being, it is proposed that the title of the document is maintained.

Also it was pointed out that operational procedures would not be included in main text but to be moved to Appendix for reference.

There have been very intensive discussions over the nature of the document whether it is to be a UR or a REC. After series of deliberations, it is finally decided to publish as a REC in consideration of urgent request of the Industry and then will make a necessary update reflecting the Industry feedback as well as regulatory requirements such as FuelEU and IMO guidelines, in order to set out a UR.

A member expressed concern on the shore-side installation and verification, and it was generally shared by the members that the shore-side installation is not subject to verification. As it is declared in the 1.1.2 that onshore equipment and installations are not covered by this recommendation and also considering it is converted into a REC of not mandatory nature, it is decided to not specifically add a statement on this issue.

As to the clarification request on the witness of section 5, given the result of discussion over the nature of document (converting this into REC), it is deemed appropriate to delete both the expression "to the satisfaction of the Surveyor in charge in 5.1.1 and "in the presence of a Surveyor of the Society" in 5.4.2.

For the topic of different variations of HV OPS, it is agreed to discuss as a NWI (new work item) under a separate task.

## **6. Attachments if any**

None.