

Dear Esteemed Partners,

We are pleased to inform you that the following Amendment has been published by the Working Group on Electric Harbour Crafts Charging System under the Technical Committee on Power System and Utilisation set up by the Electrical and Electronic Standards Committee.

No	STANDARD(S)	Date of Publication
1	TR 136:2025+A1:2026 - Electric harbour craft charging and battery swap system	28 July 2026

The scope of the TR includes:

TR 136:2025+A1:2026

The Technical Reference (TR) covers the safety requirements applicable to on-board and off-board equipment for charging e-HC and battery swapping operations, connected to the supply network at standard supply voltage up to 1000 V AC and/or 1500 V DC. Testing and inspection requirements for the charging facilities are also included.

This amendment introduces requirements for communication and monitoring of the charging system and aligns them with those used in battery swap systems. It also replaces the digital communication protocol between the supply equipment and the e-HC from IEC 61851-24 instead of ISO/IEC 15118-20.

Users of the TR include government agencies, private companies including charging and battery swap system solution providers, port operators, marine classification societies.

General Information

Status: Current

Edition: 2025+A1:2026

No. of Pages: 49 pages

Committee: Electrical and Electronic Standards Committee

To preview and/or purchase the standard, please visit the Singapore Standards eShop at [Singapore Standards \(singaporestandardseshop.sg\)](https://singaporestandardseshop.sg)

Thank you.

Best regards,

Sim Chen Han

NTU SDO

Electrical and Electronic Standards Committee

EMAIL NOTIFICATION

Subject: Publication of Standard with Amendment: TR 136:2025+A1:2026

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