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Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/ Figure/Table/Note	Type of comment	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



45/999/CD

COMMITTEE DRAFT (CD)

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SECRETARIAT:

IEC Secretariat

SECRETARY:

Mr Anson Chiah

OF INTEREST TO THE FOLLOWING COMMITTEES:

HORIZONTAL FUNCTION(S):

ASPECTS CONCERNED:

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TITLE:

MRCS for nuclear and radiological applications - Performance and test requirements for underwater vehicles

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

MRCS for nuclear and radiological applications - Performance and test requirements for underwater vehicles –

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The text of this International Standard is based on the following documents:

Draft	Report on voting
45/XX/FDIS	45/XX/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is **English** [change language if necessary].

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- reconfirmed,
- withdrawn, or
- revised.

INTRODUCTION

The current standard for mobile remotely controlled systems (MRCS) for nuclear and radiological applications is IEC 63048. A decision has been made to divide the MRCS standard into three (3) parts: ground, airborne, and underwater. The corresponding standard numbers are 63048-1, 63048-2, and 63048-3. This document specifies the general requirements for MRCS for underwater nuclear and radiological applications, and the proposed standard number is IEC 63048-3.

The purpose of underwater vehicles defined in this document is that underwater vehicles can reach and work replacing labor for underwater radiation sites that are inaccessible to people. In the harsh environment, such as narrow and confined spaces, underwater vehicles can replace manual tasks and reduce the risk of people. In the case of high radiation dose, the operation can be carried out by remotely controlling underwater vehicle, so as to reduce the radiation dose for operators.

Underwater vehicles described in this document can move in nuclear and radiation underwater environments and perform various missions by carrying different execution system. In the case of regular maintenance of nuclear facilities and emergency response, the typical work includes underwater structure detection, underwater facility maintenance and underwater foreign material salvage.

This document introduces the general requirements of underwater vehicles in terms of system, functions and test and verification in nuclear and radiation environments.