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Responsible committee: PEL/38 Instrument transformers

Interested committees:

Title: BS EN IEC 61869-22 Instrument Transformers integrated with other devices - Requirements and tests

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

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- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

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	Commend (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.	



38/802/CD

COMMITTEE DRAFT (CD)

PROJECT NUMBER:

IEC 61869-22 ED1

DATE OF CIRCULATION:

2024-08-09

CLOSING DATE FOR COMMENTS:

2024-10-04

SUPERSEDES DOCUMENTS:

38/713/NP, 38/721/RVN

IEC TC 38 : INSTRUMENT TRANSFORMERS

SECRETARIAT:

Italy

SECRETARY:

Mr Filippo Frugoni

OF INTEREST TO THE FOLLOWING COMMITTEES:

TC 17,TC 20,TC 32,SC 32A,TC 33,TC 36,SC 36A

HORIZONTAL FUNCTION(S):

ASPECTS CONCERNED:

Electricity transmission and distribution

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TITLE:

Instrument Transformers integrated with other devices - Requirements and tests

NOTE FROM TC/SC OFFICERS:

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

INSTRUMENT TRANSFORMERS

Part 22: Instrument transformers integrated with other devices

FOREWORD

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IEC 61869-22 has been prepared by IEC technical committee 38: Instrument Transformers. It is an International Standard.

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

Draft	Report on voting
XX/XX/FDIS	XX/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.

116 This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in
117 accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available
118 at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are
119 described in greater detail at www.iec.ch/publications.

120 The committee has decided that the contents of this document will remain unchanged until the
121 stability date indicated on the IEC website under webstore.iec.ch in the data related to the
122 specific document. At this date, the document will be

- 123 • reconfirmed,
- 124 • withdrawn,
- 125 • replaced by a revised edition, or
- 126 • amended.

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128

INTRODUCTION

129 Several components on the market are manufactured with instrument transformers integrated
130 with other components. These assembled components refer to different product standards and
131 sometime the related tests procedures are not the same.

132 For those reasons the selection and execution of proper tests is not easy to be defined and
133 agreed, particularly when instrument transformers are embedded in other components
134 (therefore no separable).

135 This document basically proposes complete list of tests and try to solve possible inconsistencies
136 for similar test procedures that refer to different product standards.

137 Moreover, in this document a particular attention is given to the compliance of the instrument
138 transformers accuracy class considering the characteristics of the other integrated components
139 and the use in operation.

140 The present version of the document is based on standards IEC 61869-10 and 61869-11 in
141 force. During the development of the next steps, the document will be updated considering the
142 evolution in progress of the above mentioned standard and their integration in IEC 61869-7 and
143 61869-8.

144 Some pictures and photos of the typologies of instrument transformers integrated with other
145 components are given in the document for a clearer identification of the objects (those pictures
146 and photos will be improved in the next steps of the document).