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Date: 31 March 2025

Origin: International

Latest date for receipt of comments: 23 April 2025

Project No. 2025/00802

Responsible committee: GEL/65/5 Devices and integration in enterprise systems

Interested committees:

Title: BS EN 62337 Ed.3.0 Draft Commissioning of electrical, instrumentation and control systems in the process industry - Specific phases and milestones.

Please notify admin.start@bsigroup.com if you are aware of any keywords that might assist in clarifying or identifying the standard or of the content of this standard:

- i) has any issues related to 3rd party IPR, patent or copyright
- ii) affects other national standard(s)
- iii) requires additional national guidance or information

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This draft is issued to allow comments from interested parties; all comments will be given consideration prior to publication. No acknowledgement will normally be sent. **See overleaf for information on the submission of comments.**

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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 Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.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

- **Annotated drafts are not acceptable and will be rejected.**
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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.	



65E/1164/CD

COMMITTEE DRAFT (CD)

PROJECT NUMBER: IEC 62337 ED3	
DATE OF CIRCULATION: 2025-03-28	CLOSING DATE FOR COMMENTS: 2025-05-23
SUPERSEDES DOCUMENTS: 65E/1143/RR	

IEC SC 65E : DEVICES AND INTEGRATION IN ENTERPRISE SYSTEMS	
SECRETARIAT: United States of America	SECRETARY: Mr David Richmond
OF INTEREST TO THE FOLLOWING COMMITTEES:	HORIZONTAL FUNCTION(S):
ASPECTS CONCERNED:	

This document is still under study and subject to change. It should not be used for reference purposes.

Recipients of this document are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Recipients of this document are invited to submit, with their comments, notification of any local regulations or technical reasons that may exist and should be considered should this proposal proceed, recognizing that failure to address such requirements could result in the need for new or existing "In Some Countries" clauses. (SEE [AC/22/2007](#) OR [NEW GUIDANCE DOC](#)).

TITLE: Commissioning of electrical, instrumentation and control systems in the process industry - Specific phases and milestones
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NOTE FROM TC/SC OFFICERS:

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**COMMISSIONING OF ELECTRICAL, INSTRUMENTATION
AND CONTROL SYSTEMS IN THE PROCESS INDUSTRY**

FOREWORD

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IEC 62337 has been prepared by subcommittee 65E: Devices and integration in enterprise systems, of IEC technical committee 65: Industrial-process measurement, control and automation. It is an International Standard.

This third edition cancels and replaces the second edition published in 2012. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) Title has been changed to "COMMISSIONING OF ELECTRICAL, INSTRUMENTATION AND CONTROL SYSTEMS IN THE PROCESS INDUSTRY";
- b) General re-organization of the standard;
- c) Current technology has been incorporated;
- d) Normative requirements have been limited to precommissioning and commissioning of EI&C equipment;

- e) Precommissioning and commissioning activities by disciplines other than E&I have been moved to informative annexes;
- f) Additional references to other applicable standards have been provided; and
- g) Mechanical completion certificate, acceptance of the plant certificate and division of work responsibility between contractor and owner have been deleted as these were not E&I related.

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

Draft	Report on voting
65E/XX/FDIS	65E/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.

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

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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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INTRODUCTION

170 The commissioning of electrical, instrumentation and control systems (EI&C) in the process
171 industry is an important phase that ensures all components are functioning according to the
172 project specifications before production begins. This document outlines the activities involved
173 in the commissioning phase and in the preparation thereof. It shows how these activities are
174 timely linked to other project phases and describes the need to verify that all EI&C equipment
175 has been tested, installed, calibrated, and configured in accordance with the vendor
176 requirements and project specifications. Training of personnel and the availability of necessary
177 documentation are also highlighted as required prerequisites for successful commissioning.

178 The focus of this document is on E&I related activities. In addition to this, typical work by other
179 disciplines which also occurs during the commissioning phase is included for reference. The
180 annexes provide typical activities and considerations of E&I and other disciplines for general
181 information.

COMMISSIONING OF ELECTRICAL, INSTRUMENTATION AND CONTROL SYSTEMS IN THE PROCESS INDUSTRY

1 Scope

1.1 General applicability

This standard defines activities involved in the commissioning of electrical, instrumentation and control systems (EI&C) in the process industry. Activities of other disciplines that also occur during the commissioning of a process industry plant are provided for information only as a frame of reference.

1.2 Exclusions

1.2.1 Prior and post activities

Engineering and manufacturing activities prior to commissioning (such as FAT, FIT, SAT and SIT according to IEC 62381 as well as loop checks according to IEC 62382) and following commissioning are not covered by this document.

1.2.2 Regulated industries

For applications in the pharmaceutical or other highly specialized industries, additional guidelines (for example, good automated manufacturing practice (GAMP)), definitions and stipulations apply in accordance with other applicable existing standards.

1.2.3 Safety instrumented systems

While this document mentions safety instrumented systems, it does not cover validation of a safety system. IEC 61511 provides requirements for checks and validation of Safety Instrumented Systems.

1.2.4 Manufacturing execution systems

Commissioning of manufacturing execution systems (MES) is not covered by this document.

1.2.5 Advanced process control

Commissioning of advanced process control (APC) is not covered by this document.

1.2.6 Security for industrial automation and control systems

While this document mentions network and system security, IEC 62443 provides requirements for automation and control systems cyber security.

1.2.7 User-specific procedures and requirements

User-specific procedures and requirements for commissioning are not covered by this document as they are unique to each user.

1.2.8 Commissioning work other than electrical, instrumentation and control

This document includes lists of commissioning documents and work by disciplines other than E&I for information only and to provide some perspective for the E&I work.