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Project No. 2017/00360

Responsible committee: GEL/82 Photovoltaic Energy Systems

Interested committees:

Title: Draft BS EN 62980 Photovoltaics in buildings. Part 2: Building integrated photovoltaic systems.

Please notify the secretary if you are aware of any keywords that might assist in classifying or identifying the standard or if 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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Information on the co-operating organizations represented on the committees referenced above may be obtained from <https://standardsdevelopment.bsigroup.com/>.

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 Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.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

| 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.                                       |                                                    |

|                                                       |                                                 |
|-------------------------------------------------------|-------------------------------------------------|
| PROJECT NUMBER:<br><b>IEC 63092-2 ED1</b>             |                                                 |
| DATE OF CIRCULATION:<br><b>2018-03-16</b>             | CLOSING DATE FOR COMMENTS:<br><b>2018-06-01</b> |
| SUPERSEDES DOCUMENTS:<br><b>82/888/NP, 82/935/RVN</b> |                                                 |

|                                                                                                                                                                                 |                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| IEC TC 82 : SOLAR PHOTOVOLTAIC ENERGY SYSTEMS                                                                                                                                   |                                                                                                                                                          |
| SECRETARIAT:<br>United States of America                                                                                                                                        | SECRETARY:<br>Mr George Kelly                                                                                                                            |
| OF INTEREST TO THE FOLLOWING COMMITTEES:                                                                                                                                        | PROPOSED HORIZONTAL STANDARD:<br><input type="checkbox"/><br>Other TC/SCs are requested to indicate their interest, if any, in this CD to the secretary. |
| FUNCTIONS CONCERNED:<br><input type="checkbox"/> EMC <input type="checkbox"/> ENVIRONMENT <input checked="" type="checkbox"/> QUALITY ASSURANCE <input type="checkbox"/> SAFETY |                                                                                                                                                          |

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.

TITLE:

**Photovoltaics in buildings – Part 2: Building integrated photovoltaic systems**

NOTE FROM TC/SC OFFICERS:

**NOTE to the present replacement document:** The present document (A-version) includes a more recent version of the document. The closing date for comments has been maintained (2018-06-01).

Many comments were received from the project team right before the deadline and the TC 82 Secretary neglected to include these comments in the previous version. This revised version includes all comments for consideration by the national committees. The TC 82 secretariat apologizes for any confusion this may have caused.

NOTE: According to documents 82/1339/DC and 82/1359/INF IEC national committees have approved the transformation of projects 62980 and 63092 into

- 63092-1, Photovoltaics in buildings - Part 1: BIPV modules, and
- 63092-2, Photovoltaics in buildings - Part 2: BIPV systems

Both projects are allocated to PT 63092.

The two CDs circulated are based on EN 50583 standards, which are considered as a starting point for the development at IEC level.

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## INTERNATIONAL ELECTRO TECHNICAL COMMISSION

**PHOTOVOLTAICS IN BUILDINGS –  
Part 2: Building integrated photovoltaic systems**

## FOREWORD

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International Standard IEC 62930-2 has been prepared by IEC technical committee 82: Solar photovoltaic energy systems on the basis of EN standard, EN50583-2 in collaboration with ISO technical committee 160: Glass in building.

## PHOTOVOLTAICS IN BUILDINGS – Part 2: Building integrated photovoltaic systems

### 1 Scope and object

This document applies to photovoltaic systems that are integrated into buildings with the photovoltaic modules used as construction products. It focuses on the properties of these photovoltaic systems relevant to essential building requirements, for example, as specified in the European Construction Product Regulation CPR 89/106/EEC, and the applicable electro-technical requirements, for example, as stated in the Low Voltage Directive 2006/95/EC / or CENELEC standards.

This document references international standards, technical reports and guidelines. For some applications in addition national standards (or regulations) for building works may apply in individual countries, which are not explicitly referenced here.

The document is addressed to manufacturers, planners, system designers, installers, testing institutes and building authorities.

This document does not apply to concentrating or building-attached photovoltaic systems.

This document addresses requirements on the BIPV systems in the specific ways they are intended to be mounted but not the BIPV modules as construction products, which is the topic of IEC 63092-1

### 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 6946, *Building components and building elements — Thermal resistance and thermal transmittance — Calculation method*

ISO 9050, *Glass in building — Determination of light transmittance, solar direct transmittance, total solar energy transmittance, ultraviolet transmittance and related glazing factors*

ISO 12543-1, *Glass in building — Laminated glass and laminated safety glass — Part 1: Definitions and description of component parts*

ISO 12543-2, *Glass in building — Laminated glass and laminated safety glass — Part 2: Laminated safety glass*

ISO 12543-3, *Glass in building — Laminated glass and laminated safety glass — Part 3: Laminated glass*

ISO 12543-4, *Glass in building — Laminated glass and laminated safety glass — Part 4: Test methods for durability*

ISO 12543-5, *Glass in building — Laminated glass and laminated safety glass — Part 5: Dimensions and edge finishing*

ISO 12543-6, *Glass in building — Laminated glass and laminated safety glass — Part 6: Appearance*