

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Aircraft batteries –
Part 3: Product specification and declaration of design and performance (DDP)**

**Batteries d'aéronefs –
Partie 3: Spécification de produit et déclaration de conception et de performance
(DDP)**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

AIRCRAFT BATTERIES –**Part 3: Product specification and declaration
of design and performance (DDP)**

FOREWORD

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International Standard IEC 60952-3 has been prepared by IEC technical committee 21: Secondary cells and batteries.

This third edition cancels and replaces the second edition published in 2004. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition: requirements for defining the declaration of performance and specification details between supplier and purchaser.

The text of this standard is based on the following documents:

FDIS	Report on voting
21/805/FDIS	21/816/RVD

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all the parts in the IEC 60952 series, published under the general title *Aircraft batteries* can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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- withdrawn,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

AIRCRAFT BATTERIES –

Part 3: Product specification and declaration of design and performance (DDP)

1 Scope

This part of IEC 60952 defines requirements for the product specification as well as procedures for a Declaration of Design and Performance (DDP) for nickel-cadmium and lead-acid aircraft batteries containing vented or valve-regulated cells or monoblocs. The batteries are used for both general purposes and specific aerospace applications.

The specific topics addressed in this part serve to establish acceptable quality standards required to qualify a battery as airworthy as defined in Clause 3 of IEC 60952-1:2013.

The design construction and test requirements should conform to the requirements specified in IEC 60952-1 and IEC 60952-2.

It is recognised that additional data may be required by other organisations (national standards bodies, AECMA, SAE etc.). The present standard can be used as a framework to devise tests for generation of the required data.

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.

IEC 60952-1:2013, *Aircraft batteries – Part 1: General test requirements and performance levels*

IEC 60952-2:2013, *Aircraft batteries – Part 2: Design and construction requirements*

ISO/TR 224, *Aircraft – Declaration of design and performance for aircraft equipment – Standard form*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60952-1:2013 apply.