



**NSAI**  
Standards

Irish Standard  
I.S. EN 4819:2012

# Aerospace series - Contact Memory Button (CMB) tags intended for aircraft use

## I.S. EN 4819:2012

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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**NSAI**  
1 Swift Square,  
Northwood, Santry  
Dublin 9

T +353 1 807 3800  
F +353 1 807 3838  
E standards@nsai.ie  
W NSAI.ie

**Sales:**  
T +353 1 857 6730  
F +353 1 857 6729  
W standards.ie

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EUROPEAN STANDARD

**EN 4819**

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2012

ICS 35.240.60; 49.035

English Version

## Aerospace series - Contact Memory Button (CMB) tags intended for aircraft use

Série aérospatiale - Bouton Mémoire par Contact (CMB)  
pour usage aéronautique

Luft- und Raumfahrt - Kontakt-Speicherknopf (CMB) für  
Luftfahrtverwendung

This European Standard was approved by CEN on 25 February 2012.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**Management Centre: Avenue Marnix 17, B-1000 Brussels**

<b>Contents</b>	<b>Page</b>
<b>Foreword.....</b>	<b>3</b>
<b>1     Scope .....</b>	<b>4</b>
<b>2     Normative references .....</b>	<b>4</b>
<b>3     Terms and definitions .....</b>	<b>4</b>
<b>4     General requirements.....</b>	<b>6</b>
<b>5     General configuration .....</b>	<b>6</b>
<b>6     Applicability.....</b>	<b>7</b>
<b>7     Requirements .....</b>	<b>7</b>
<b>Bibliography .....</b>	<b>10</b>

## **Foreword**

This document (EN 4819:2012) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, prior to its presentation to CEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2012, and conflicting national standards shall be withdrawn at the latest by November 2012.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## 1 Scope

The scope of this European Standard is to:

- Provide a requirements document for CMB Manufacturers to produce systems for the Aerospace and Defence industry.
- Identify the minimum performance requirements specific to CMB used on Aerospace and Defence vehicle parts accessed only during ground operations.
- Identify existing standards applicable to CMB.
- Provide a qualification standard for CMB which will use permanently-affixed installation on systems.
- Provide some patterns of data.

In addition to any relevant document from certification authorities, the following documents should be taken into account to define requirements concerning the technical specifications for CMB:

- EUROCAE documents: ED-14, Environmental Conditions and Test Procedures for Airborne Equipment.
- RTCA documents: DO-160, Environmental Conditions and Test Procedures for Airborne Equipment.
- Military Standard: MIL-STD-810, Department of Defense Test Method Standard for Environmental Engineering Considerations and Laboratory Tests.

## 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.

ED-14, *Environmental Conditions and Test Procedures for Airborne Equipment* <sup>1)</sup>

DO-160, *Environmental Conditions and Test Procedures for Airborne Equipment* <sup>2)</sup>

MIL-STD-810, *Department of Defense Test Method Standard for Environmental Engineering Considerations and Laboratory Tests* <sup>3)</sup>

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

### 3.1

#### AEROSPACE APPLICATIONS

used on products created for the aerospace industry

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1) Published by: EUROCAE Regional (EU) EUROpean Organisation for Civil Aviation Equipment <http://www.eurocae.org/>.

2) Published by: Radio Technical Commission for Aeronautics <http://www.rtca.com/>.

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