

BS EN 4817:2012



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Aerospace series — Passive UHF RFID tags intended for aircraft use

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National foreword

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A list of organizations represented on this committee can be obtained on request to its secretary.

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English Version

**Aerospace series - Passive UHF RFID tags intended for aircraft
use**

Série aérospatiale - Tags passifs d'identification par
radiofréquence Ultra Haute Fréquence (RFID UHF) pour
usage aéronautique

Luft- und Raumfahrt - UHF Passiv RFID-Tags für
Luftfahrtverwendung

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

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Contents		Page
Foreword.....		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4	General requirements.....	9
5	General configuration	10
6	Applicability.....	10
7	Requirements	10
Bibliography		15

Foreword

This document (EN 4817:2012) 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of an identical text or by endorsement, at the latest by November 2012, and conflicting national standards shall be withdrawn at the latest by November 2012.

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Introduction

The requirements for RFID tags to be used in the aerospace industry are very different from non-aviation uses. The parts identified by the RFID tags are high value items, which are often used for ten years or more. Reading and writing across a moderate distance, and over the life-spans of these tagged-parts, is expected to improve data accuracy and cost savings. Furthermore, the aerospace industry is subject to unique considerations regarding qualification, regulations, and safety, which are enforced by aviation authorities such as the EASA, FAA, etc.

These requirements, coupled with the relatively low manufacturing volumes, will drive up the per-part cost of tags developed for the aerospace industry. This will generate the need for a set of RFID tags specifically designed for use on aircraft. Adherence to this European Standard will decrease the development cost of these low-volume, high-capability RFID tags.