



NSAI
Standards

Irish Standard
I.S. EN 16603-34:2014

Space engineering - Part 34: Environmental control and life support (ECLS)

I.S. EN 16603-34:2014

Incorporating amendments/corrigenda/National Annexes issued since publication:

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Ingénierie spatiale - Partie 34: Contrôle de l'environnement
et support de vie pour les vols habités

Raumfahrttechnik - Teil 34: Umweltkontrolle und
Lebenserhaltung (ECLS)

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Foreword

This document (EN 16603-34:2014) has been prepared by Technical Committee CEN/CLC/TC 5 "Space", the secretariat of which is held by DIN.

This standard (EN 16603-34:2014) originates from ECSS-E-ST-34C.

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of an identical text or by endorsement, at the latest by February 2015, and conflicting national standards shall be withdrawn at the latest by February 2015.

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This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

This document has been developed to cover specifically space systems and has therefore precedence over any EN covering the same scope but with a wider domain of applicability (e.g. : aerospace).

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Scope

This Standard addresses the discipline of environmental control and life support (ECLS) and the interfaces to other disciplines of engineering and to the domains of management and product assurance.

It also introduces the structure and applicability of the associated Level 3 Standards.

The environmental control and life support systems (ECLSS) covered in this Standard includes those aspects relating to the assurance of a safe and comfortable environment for human beings undertaking a space mission.

When other forms of life are accommodated on board, the ECLSS also ensures the appropriate environmental conditions for those living organisms.

This Standard applies to all ECLSS for:

- all manned space endeavours and man-rated space products, and
- any other form of life to be maintained on board.

This standard may be tailored for the specific characteristics and constraints of a space project in conformance with ECSS-S-ST-00.

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