



**NSAI**  
Standards

Irish Standard  
I.S. EN 16311:2013

# Engineering services - Terminology to describe engineering services for industrial products

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## I.S. EN 16311:2013

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## Engineering services - Terminology to describe engineering services for industrial products

Services d'ingénierie - Terminologie destinée à décrire les services d'ingénierie pour les produits industriels

Ingenieurdienstleistungen - Terminologie zur Beschreibung von Ingenieurdienstleistungen für industrielle Produkte

This European Standard was approved by CEN on 7 December 2012.

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## **Foreword**

This document (EN 16311:2013) has been prepared by Technical Committee CEN/TC 395 “Engineering consultancy services”, the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by August 2013, and conflicting national standards shall be withdrawn at the latest by August 2013.

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.

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## **Introduction**

Reference vocabulary intends to facilitate the dialogue between partners of different countries or specialities. It cannot be considered as a reference list of tasks to be carried out, which depend on contexts that may differ in different European countries and sectors (legislation, regulation insurances....).

The terms that are incorporated in the glossary are in line with those developed by CEN/TC 395 for other industries in particular in the standard EN 16310 "Engineering services — Terminology to describe engineering services for buildings, infrastructure and industrial facilities".

Each project is managed through a series of stages and therefore staging is important for the management of engineering services. However, the standard stages in projects and related national plans of work of engineering service providers differ from country to country and may also be subject to differences in legislation. For this reason, it is not the intention of this standard to harmonise national or private plans of work. However, in cross border operations and co-operations, it is important that all parties concerned have a common view on the actual staging and the engineering activities that take place within each stage. To facilitate this, some information about the stages in the life cycle of an industrial product is given in Annex A. This annex may offer a common reference framework to which end users and engineering service providers can 'map' their project-specific scope of work in cross border projects, specifying what is included and explicitly excluded in their contracts.

## 1 Scope

This European Standard contains a glossary of terms, which can contribute to the conditions for free competition and a level playing field for engineering services providers in Europe in regard to industrial products.

This European Standard deals with the intellectual services necessary to transform needs into practical solutions from their conception, through realisation to operation and during the life cycle of a working product such as buildings, industrial products etc.

The terminology aims at facilitating the cooperation between partners in the field of Engineering Services (ES).

Its structure is based on stages in the life cycle of an industrial product. It is not a description of the contents of the tasks to be executed, neither on their scheduling, nor on the actors concerned who depend on the national context, the clients, type and importance of the product and its environment.

The major terms are defined covering the lifecycle of industrial products. These terms are applicable to all sectors, for example: aerospace, automotive, capital equipment.

## 2 Terms and definitions

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

### 2.1

#### **engineering**

intellectual activities necessary to define, design, produce, sustain and recycle a product, a process or a building

### 2.2

#### **engineering services**

intellectual tasks provided during one or all stages of the life cycle of the product, a process or a built asset by specialised (or trained) professionals

### 2.3

#### **contract**

legally binding agreement specifying the services and conditions between all parties

### 2.4

#### **life cycle**

all stages in the life span of a built asset or product

### 2.5

#### **stage**

period within the life cycle of an entity that relates to the state of its initiation, design, implementation, operation, and end of life

### 2.6

#### **project management**

application of methods, tools, techniques and competencies to a project

[SOURCE: ISO/FDIS 21500:2012, 3.3]

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