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**Engineering consulting - Essential vocabulary**

工程咨询 基本术语

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## Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part

1. Structure and Drafting Rules of Standardization Documents" Drafting. Please note that some of the contents of this document may involve patents. The issuing agency of this document is not responsible for identifying patents. This document was proposed and

managed by the National Standardization Technical Committee for Equipment Supervision Engineering Consulting (SAC/TC423). Drafting organizations of this document. China Engineering Consulting Association, China Equipment Supervision Association, China Communications Highway Planning and Design Institute Co., Ltd., China Railway The Fourth Survey and Design Institute Group Co., Ltd., CCCC Second Navigation Engineering Survey and Design Institute Co., Ltd., China Railway First Survey and Design Institute Group Co., Ltd. Company, Tsinghua University Architectural Design and Research Institute Co., Ltd., Shanghai Investment Consulting Company, Beijing Municipal Engineering Design and Research Institute Co., Ltd., Beijing International Engineering Consulting Co., Ltd., Beijing Jingyuan Chengdixin Engineering Management Co., Ltd., Guangzhou Metro Design and Research Institute Co., Ltd., Shanghai City Tunnel Engineering Rail Transit Design and Research Institute, Huajie Engineering Consulting Co., Ltd., Basic Standardization Research Institute of China National Institute of Standardization, Tianjin University Management and Economics Department, Shanghai Municipal Engineering Design and Research Institute (Group) Co., Ltd., Sinopec Shanghai Engineering Co., Ltd. The main drafters of this document. Xiao Fengtong, Tang Ping, Li Qiang, Hu Zhangxi, Qi Guangfeng, Zhu Ping, Liu Luobing, Ma Yinghua, Tian Feng, Zhou Changqing, Zhang Lianying, Chen Jie, Zhang Ruijie, Wang Jianting, Ge Yaoyu, Xie Yujian, Zhang Wenyan, Liu Han.

This document draws on the relevant international engineering consulting concepts and business practices proposed by the International Federation of Consulting Engineers (FIDIC), taking into account The status quo of my country's engineering consulting industry. For terms with the same domestic and foreign names but different definitions, this document gives the terms and definitions under various conditions. Corresponding English words of contract-related terms in Chapter 5 of this document In the FIDIC contract conditions, the first letter of the English word is generally capitalized. Basic terminology of engineering consulting

## 1 Scope

GB/Z 40846-2021 is the Chinese national standard on engineering consulting - essential vocabulary, in the field of services and company organization. The /Z suffix marks it as a guiding technical document: it does not prescribe requirements that can be certified against, but sets out the technique, the method or the state of the art that the standards bodies recommend following. It was issued on 11 October 2021 by the State Administration for Market Regulation; Standardization Administration of China. As a guiding technical document it carries no separate date of entry into force: it applies from publication. Classification: ICS 03.080.99, CCS A20. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document defines the terms and their meanings commonly used in engineering consulting services. This document is applicable to engineering consultants, project owners, entrusting parties, contractors, users, regulatory authorities, etc. related to the project. Note

1.Engineering involves a wide range of fields. In some specific fields, there will be varying degrees of differences in terms and meanings that are habitually used. Standard users can Choose to use according to actual work needs, or explain the differences. Note

2.The notes in the term entry in this document are explanations and examples provided to help understand the terms.

## 2 Normative references

There are no normative references in this document.

## 3 Basic terminology

3.1 Engineering Comprehensive use of knowledge, skills and experience in mathematics and science to solve real-world problems in order to improve the human environment and life activities and result.

3.2 Project Work that has a start and end time to create a unique product, service, or result.  
[Source: GB/T 23691-2009, 2.1.1, with modification]

3.3 Project lifecycle The series of stages that the project has gone through from its inception to its completion. Note

1.The division of project phases depends on factors such as specific application areas, project characteristics and management control needs. Note

2.An engineering project can be divided into several stages based on its intermediate achievements and specific milestones, such as planning, planning and decision-making, implementation (construction), completion and use (operations). Camp maintenance), disposal, etc. Each stage can be further subdivided into several sub-stages. For example, the project planning and decision-making stage can be subdivided into project investment opportunities. Meeting research, project pre-feasibility study, project feasibility study, project decision-making and other sub-phases.

3.4 Engineering consulting Provide technology-based intellectual services for construction and the natural environment. Note

1.Engineering consulting is based on the concept of the whole process and serves all stages of the project life cycle. Note

2.Construction includes all phases of the life cycle of existing, under construction and future development projects.

3.5 Business practice Engineering consulting business development, undertaking, execution, delivery and related supporting activities and results.

Note. Supporting activities and results include consulting company organization and management system, human resources, infrastructure, consulting methods and tools, finance, corporate culture

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