Chinastandards.org

CCS T 40

T

ASSOCIATION STANDARD

T/CSAE 66-2018

The criteria of professional engineer in automotive engineering

汽车工程师能力标准

(English Translation)

Issued on: February 11, 2018

Issued by: China Society of Automotive Engineers

Preview: page 1 of 5 shown, 9 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/t-csae-66-2018

Chinastandards.org

Table of Contents

Foreword
1 Scope
2 Terms and definitions
2.1 Engineering
2.2 Engineer
3 Classification of automotive engineers
4 Basis for classification
5 General principles
5.1 Guiding Principle
5.2 International Mutual Recognition Principle
5.3 Large time scale principle
6 Automotive Engineer Capability Indicator System
6.1 Professional competence
6.2 Communication ability
6.3 Engineering Ethics
6.4 Project Management Capabilities
6.5 Leadership
7 Automotive Trainee Engineer
7.1 Professional competence
7.2 Communication ability
7.3 Engineering Ethics
7.4 Project Management Capabilities
8 Assistant Engineer Capability Requirements
8.1 Professional competence
8.2 Communication ability
8.3 Engineering Ethics
8.4 Project Management Capabilities
9 Engineer's ability requirements
9.1 Professional competence
9.2 Communication skills
9.3 Engineering Ethics
9.4 Project Management Capabilities

Preview: page 2 of 5 shown, 9 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/t-csae-66-2018

10 Senior Engineer Ability
10.1 Professional competence
10.2 Communication ability
10.3 Work Ethics
10.4 Project Management Capabilities
10.5 Leadership
11 Senior Engineer
11.1 Professional competence
11.2 Communication ability
11.3 Engineering Ethics
11.4 Project Management Capabilities
11.5 Leadership

Foreword

The structure and format of this standard are drafted in accordance with the rules given in GB/T 1.1-2009.

This standard is based on the law of the growth of automotive professional and technical personnel, in-depth study of international professional and technical personnel capabilities and evaluation standards on the basis of the specific requirements for the working ability of China's automotive engineering and technical personnel, it is to evaluate the ability of automotive engineering and technical personnel.

The flat gauge is designed to provide reference for the development of personal career development routes for automotive engineering technicians.

Provide reference for professional and technical personnel to provide reference for engineering education.

The basic content of this standard is consistent with the National Institute of Engineers Competency Standards.

This standard is proposed by the China Automotive Engineering Society.

This standard was drafted. China Automotive Engineering Society

1 Scope

This standard stipulates the professional level evaluation of automotive engineering technicians, and can also be used as an automotive engineering technician to develop personal careers.

Preview: page 3 of 5 shown, 9 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/t-csae-66-2018

The exhibition route, the employer's human resource management and engineering education to develop professional standards.

2 Terms and definitions

The following terms and definitions apply to this document.

2.1 Engineering

In order to accomplish the goals envisioned by mankind, applying mathematics, natural science knowledge and technical means, through a group of people organized work will the process of converting an existing entity, either natural or man-made, into an artificial product of the intended use value.

2.2 Engineer

The professional and technical personnel engaged in engineering have received long-term professional study and professional training, and have professional knowledge that other people do not have.

Knowledge and skills, in the professional field is more qualified than others to engage in engineering system design, product development, manufacturing, after-sales service, Application operations, engineering management, technical assessment, etc. Engineers are more than others when major social events involving a technical field occur More qualified and obligated to reveal the truth of the incident from a professional perspective, explain the cause of the incident, predict the impact of the incident, and provide solutions.

3 Classification of automotive engineers

The classification of automotive engineers is divided into five levels. automotive trainee engineers, automotive assistant engineers, automotive engineers, and automobiles.

Senior engineer and automotive senior engineer.

4 Basis for classification

The car trainee engineer is facing the students who are preparing for the job; the car assistant engineer is doing the job for a while.

Auto engineering technicians who are prepared for independent work; automotive engineers are oriented to steam that already has a certain working experience and can independently undertake work.

Car engineering and technical personnel; automotive senior engineers have already had rich work experience, can engage in peer review or undertake other agencies Automotive engineering and technical personnel who will be responsible; senior engineers of the

Preview: page 4 of 5 shown, 9 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/t-csae-66-2018

automobile face a certain prestigious and socially influential automobile worker in the industry.

Cheng technical staff.

5.1 Guiding Principle

This standard hopes to guide automotive engineering and technical personnel to establish common values of professionals and promote social governance optimization. This standard Emphasis on ability orientation, emphasizing the ability of professionals to solve practical engineering and technical problems; while emphasizing the social responsibility of professionals, emphasizing Collaboration among professionals emphasizes the contribution of professionals to the construction of professional teams and emphasizes the professional and sustainable development of professionals.

5.2 International Mutual Recognition Principle

Mutual recognition of the qualifications of engineers in various countries is the inevitable development of global economic integration, the general trend of historical development, and the realization of China's it is an important starting point for the strategy of "going out." Therefore, this standard has fully considered the integration with relevant international standards in the formulation process.

5.3 Large time scale principle

This standard attempts to study the law of talent growth in a 30-year span and explore a relatively stable value orientation, hoping to avoid being somewhat the special needs in the short term are around.

6 Automotive Engineer Capability Indicator System

Automotive engineers should have certain professional capabilities, communication skills, engineering ethics, project management capabilities and leadership, as follows.

The degree of capability requirements varies for different levels of engineers.

6.1 Professional competence

Automotive engineers should have automotive expertise and skills; use automotive expertise and skills to solve practical engineering problems Ability to follow laws and regulations, standards and standards, and the ability to apply quality, safety, energy conservation, and environmental protection knowledge in automotive engineering practice;

Automotive technology development trends, the ability to continuously update their professional knowledge and skills; automotive professional research capabilities (get

Preview: page 5 of 5 shown, 9 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/t-csae-66-2018