

ICS 29.240
CCS P 62

DL

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

DL/T 5453-2020

Replacing DL/T 5453-2012

Technical code for the design of series compensator station

串补站设计技术规程

(English Translation)

Issued on: October 23, 2020

Implemented on: February 1, 2021

Issued by: National Energy Administration

Table of Contents

What this standard covers	1
Document data	2
Standards quoted by this document	3

What this standard covers

This standard is applicable to the design of series compensation station projects with voltage levels ranging from 220kV to 1000kV. The design of the series compensation station should implement the country's basic construction guidelines and technical and economic policies. The design of the series compensation station should be combined with the regional characteristics, and new technologies, new materials, and new processes should be actively and cautiously adopted. The design of the series compensation station must comply with the relevant national laws and regulations, adhere to the principle of saving land, and adopt effective environmental protection and water and soil conservation prevention and control measures. Engineering facilities for environmental protection and soil and water conservation must be designed, constructed and put into production at the same time as the main project. When the series compensation station is adjacent to the existing substation construction, the

Document data

International classification (ICS): 29.240.

Chinese classification (CCS): P62.

Estimated length of the Chinese original: 83,866 words.

Supersedes the earlier edition DL/T 5453-2012.

Standards quoted by this document

GB 50016; GB 50019; GB/T 50064; GB/T 50065; GB 50116; GB 50140; GB 50217; GB 50229; GB 50260; GB 50697; GB/T 51200; GB/T 311.1; GB/T 311.2; GB/T 1094.6; GB 3096; GB/T 6115.1; GB/T 6115.2; GB/T 6115.3; GB/T 6115.4; GB 12348; GB/T 14285; GB/T 28565; GB/T 34