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

GB/T 6115.4-2014

**Series capacitors for power systems -- Part 4:
Thyristor-controlled series capacitors**

电力系统用串联电容器 第4部分：晶闸管控制的串联电容器

(English Translation)

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Appendix A (informative) of this section with IEC 60143-4. structural changes in 2010 compared to

References

Foreword

GB/T 6115 "Series capacitors for power systems" is divided into four parts.

--- Part 1. General;

--- Part 2. Protective equipment for series capacitor banks;

--- Part 3. Internal fuses;

--- Part 4. Thyristor controlled series capacitor.

This section GB/T 46115 Part of.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses redrafted law revision using IEC 60143-4:2010 "Series capacitors for power systems - Part 4. Thyristor controlled Made a series capacitor. " this part of IEC 60143-4:2010, compared with more adjustment in the structure, listed in Appendix A of this part of IEC 60143-4.

Article 2010 of chapter numbering control list.

Technical differences exist compared to 2010, the terms of these differences has been involved through its outer margins. This portion of the IEC 60143-4 Vertical single-line position (I) were marked.

This part of IEC 60143-4:2010 technical differences and their reasons are as follows.

--- Increased "resistance capacitor shell burst energy test" in 7.2.4 special test;

- Added missing in the IEC 60143-4 normative references;
- Increase the limit voltage U_{lim} terms and definitions (see 3.2.34);
- The nominal reactance modify rated reactance (see 3.2.29);
- Added three abbreviations (see 3.1).

MOV. MOV device (MetalOxideVaristor);

TCSC. thyristor controlled series capacitor banks
(Thyristor-ControlledSeriesCapacitorBank);

TE. thyristor electronic device (ThyristorElectronics).

This section also made the following editorial changes.

- According to the rules GB/T 1.1-2009 given some written format and layout has been modified;
- "This standard" be replaced by "this section";
- With a decimal point instead of the original IEC standard as a decimal comma ",";
- Remove the IEC 60143-4:2010 Foreword;
- Added Appendix A "in this section with IEC 60143-4:2010 compared to structural changes";
- Modify the IEC 60143-4:2010 in the editorial errors.

a) Figure 1 "2 --- switch module or switch-level" and "8 --- when the need for additional switching stage" not shown in the drawings, this section Revised Figure 1, identified in Figure 1 a "2" and "8" (see Figure 1);

b) 8.1e) in the "IHM" error, should be "HMI", this section is amended as "HMI".

This part is proposed by the China Electrical Equipment Industrial Association.

This part of the National Standardization Technical Committee Power capacitor (SAC/TC45) centralized.

This section is drafted. Xi'an High Voltage Apparatus Research Institute Co., Ltd., Puri Power Technology Co., Ltd. Xi'an Electric Power Capacitor Limited liability company, Xi'an Electric Power Systems Ltd., Zhejiang Jiang Guirong harmonic level technology limited liability company, limited Guilin Power Capacitor Ltd., Shanghai Siyuan Electric Power Capacitor Co., Ltd., and Shenzhen City Power Technology Co., Ltd., Shenzhen City & Poor's Shun Technology Co., Zi Bleomycin Po Power Capacitor Co., Ltd., Tianjin opened Electric Co., Ltd., Qingdao Hengshun Electric Co., Ltd., Shijiazhuang Development Zone Wave Acer Technology Co., Ltd., Zhejiang Electric Power Company Electric Power Research Institute, Shandong Taikai Power Electronic Co., Ltd.