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

GB/T 15632-2008

Replacing GB 15632-1995

General specifications of wire holding tools for live working

带电作业用提线工具通用技术条件

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Foreword

This standard replaces GB 15623-1995 "live working tools mentioned line General technical requirements." The standards are compared with GB 15623-1995 modify the following aspects.

a) increase in product specifications Original standard specification mentioning line tool can only accommodate nominal cross $\leq 400\text{mm}^2$ wire, and with the development of China's power industry, large cut More extensive use of surface wires, so this revised standard adds LGJ-500, LGJ-630, LGJ-720 three large cross-section wire used The lift line specification tools.

b) Applicable voltage range expanded Original standard specification mentioning line tool only applies to 110kV ~ 500kV voltage level, due to the $\pm 500\text{kV}$ DC and AC 750kV voltage levels appear that this revised standard adds DC $\pm 500\text{kV}$ and 750kV AC line voltage levels mentioned insulated tools Content and other components of electrical performance.

Appendix A of this standard is a normative appendix. The standard proposed by China Electricity Council. This standard by the National Standardization Technical Committee for live working (SAC/TC36) centralized. This standard is mainly drafted by: State Grid Wuhan High Voltage Research Institute, Zhangzhou, Fujian Electric Power Company Electric Power Bureau. Drafters of this standard. Yi Hui, Sun Yiqun, Liusong Xi, Hu Yi, Zhang Lihua, Yu Zhengxing. This standard was first released in 1995, this is the first revision. Line tools for live working mentioning General technical conditions

1 Scope

GB/T 15632-2008 is the Chinese national standard on general specifications of wire holding tools for live working, in the field of environment and health protection, safety. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 30 December 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's

Republic of China; Standardization Administration of China, and has been in force since 1 February 2010. Classification: ICS 13.260, CCS F20. 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 standard specifies the classification live working mentioning line tools, technical requirements, test methods, inspection rules and signs. This standard applies to 110kV ~ 750kV AC and DC ± 500 kV Live Line replacement straight line insulator strings mention tools.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 2900.55 Electrotechnical Terminology - Live Working (GB/T 2900.55-2002, eqv IEC 60050-651.1999) GB/T 3077 alloy steel

GB/T 3191 aluminum and aluminum alloy extruded bars

GB/T 12361 General technical conditions of steel die forgings

GB 13398 live working hollow insulating tube, filled with an insulating foam insulation tubes and solid rods (GB 13398-2008, IEC 60885. 1985, MOD)

GB/T 14286 live working tools and equipment term (GB/T 14286-2008, IEC 60743.2001, MOD)

GB/T 16927.1 High-voltage test techniques Part 1. General test requirements (GB/T 16927.1-1997, eqv IEC 60060-1. 1989)

GB/T 18037 live working tools Technical requirements and design guide DL/T 876 live working with insulating Guide DL/T 878 live working insulated tools Test Guidelines Preventive test code DL/T 976 live working tools, devices and equipment YB3207 forgings - General technical requirements YB3212 heat treatment member General technical conditions

3 Terms and Definitions

GB/T 2900.55 and GB/T 14286 and determined the following terms and definitions apply to this standard.

3.1 Insulator strings used to replace linear mechanical loads and electrical wire insulation strength to withstand carried Lifting wire work tool. Its two End has a metal rack, and a length adjustment mechanism, the middle insulating member.

3.2 When upgrading the overhead power line (or relaxation) wiring work, lifting line tool can adjust the length of the device connection. Generally thread Structure. Category

4 Tools can be divided into four categories mentioned wire insulation member according to the type of insulating material, were selected pipe insulation, insulation rod, insulation sheet and must These four rope edge material, with the ends of the metal rack with the respective connection should use an insulating material adapted to shape the way.