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

JJG 1120-2015

**Verification Regulation of High Voltage Switch Operation
Characteristic Testers
(English Translation)**

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Introduction

This procedure based on JJF1002-2010 "national verification procedures write rules", JJF1001-2011 "Tong Metering Terms and definitions "and JJF1059.1-2012" Evaluation and Expression of Uncertainty in Measurement "Prepared.

This procedure is the first release.

High voltage switching characteristics tester verification procedures

1 Scope

The order applies to high-voltage switching operation (mechanical) properties tester (hereinafter referred to as the tester) the initial verification, Verification and subsequent use of the check.

2. References

This procedure refers to the following documents.

GB/T 2900.20-1994 Electrotechnical terminology voltage switchgear GB 3309-1989 Mechanical tests at room temperature under high voltage switchgear DL/T 846.3-2004 high voltage test equipment General requirements - Part 3. measuring voltage switch Tester for dated references, only the dated edition applies to this procedure; undated reference documents Member, the latest edition (including any amendments) applies to this procedure.

3 terminology and units of measurement

3.1 Closing time Starting from the moment the switch closing operation (ie instantly receives closing command) to all of the contacts between the moment of contact time Septum. Units of ms.

3.2 Opening time Operating from the switch opening starting instant (ie, received the opening command instantly) to all the time between the instant of contact separation Septum. Units of ms.

3.3 Closing same period closing-simultaneity the moment of contact between the phases of the switch contacts closing operation the maximum time difference. Units of ms.

3.4 opening the same period of the opening-simultaneity the maximum separation between the phases contact time difference between the instant when the switch opening operation. Units of ms.

3.5 Bounce time springingtime Switch moving contact and static contact at points (combined) brake operation, apart from the first (closed) to the last stable Separated (closed) until the time interval. Units of ms.

3.6 (close) average speed shutter open (close) averagespeed Switching points (combined) brake operation, the movable contact ratio in the whole movement and travel time. Units of m/s.

4 Overview

Tester from a DC power supply, the main controller, the computing unit and the time and channel sampling rate, etc., it is a kind of High-voltage switch points, closing operating time and speed and other mechanical properties testing equipment.

The tester will switch dynamic and static contact closure changes and off state into dynamic and static contact both ends of the signal level, by level signal timing, the measured switching points (closing) time, number of bounces and the bounce time parameters.

Multi-fracture