

ICS 33.050
CCS M 30

YD

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

YD/T 2059-2009

**Expected surges on telecommunications and signalling
networks due to lightning**

雷电在通信网络和信号网络上的预期浪涌

(English Translation)

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What this standard covers

This standard specifies the product due to lightning in the exchange office, the user premises and other buildings inside and outside the remote node communication access network and signal lines caused by the transition point is expected to surge (over-voltage and over-current). The purpose of this standard is to study the lightning current injury as a source of its over-voltage and over-current on the use of metallic conductors communications and signaling networks impact, and this effect in turn depends on the line as the object of study (see 3. 1. 6) parts of being struck by lightning. This standard is based on the expected surge as each class (S1, S2, S3 and S4) damage source (see 3. 1. 6) the level of the surge protection function (SPL, see 3. 1. 7) determined by the peak value and waveform. Expected surge waveform is assumed to be at their front time (T1) and the half-value (T2) as described double exponential. This standard is expected to line the installation site anti-surge current protection measures (such as the surge protector) to evaluate the effectiveness.

Document data

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Standards quoted by this document

GB/T 21714.1-2008; ITU-T Lightning Manual Chapter (1995); ITU-T K.47-2000 (12/00)