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**DL**

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

**DL/T 890.407-2010**

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**Energy management system application program interface  
(EMS-API). Part 407: Time series data access (TSDA)**

能量管理系统应用程序接口(EMS-API) 第407部分：时间序列数据访问(TSDA)  
**(English Translation)**

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### What this standard covers

This standard provides efficient data exchange using a common interface, consider providing efficient data exchange network (LAN) as well as the delay caused across the LAN. This stems partly from the Object Management Group (OMG) in industrial systems Historical Data Access (HDAIS) specification. OMG HDAIS relying on data access facility (DAF) and OPC Historical Data Access (HDA) specification. OMG HDAIS CORBA as a platform is a platform dependent model (PSM), OPC HDA is Microsoft COM as a platform for PSM. This section describes the technology -independent manner these PSM function [ that is, as a platform -independent model (PIM)]. Therefore it can be used to explain these features create additional PSM or PSM as an introduction to the existing, namely HDAIS and OPC HDA. Need to understand the OMG HDAIS and OPC HDA personnel should read these files. TSDA interface goal is to DL 890 with other interfaces based on interoperable. Therefore, it is possible to use information retrieved from the other interfaces, via this interface to access the same information, such as: object identifier, property name or identifier, class name or identification derivatives. 4. 6 CIM classes and properties are given general mapping. In achieving TSDA interface server, data organization available data and metadata browsing interface to view. If the client know in advance that object class or attribute identifiers, but also directly with a data access interface instead of browsing the interface view. Object identifier can be obtained by other interfaces, such as CIM/XML file or the DL/T 890. 404 of the interface. DL 890. 45X will describe which classes and attributes are available, such as SCADA historical data, the historical results of state estimation.

### Document data

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## **Standards quoted by this document**

DL/T 890.1; DL/Z 890.2; DL/T 890.301; DL/Z 890.401; DL/T 890.402; OMG HDAIS VS1.0-2003; OMG DAF VS2.0-2002; OMG DAIS VS1.0-2002; OPC HDA V1.20-2003