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ICS 29.240.01

DL

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

DL/T 860.7420-2012

Communication networks and systems for power utility automation. Part 7-420: Basic communication structure. Distributed energy resources logical nodes

电力企业自动化通信网络和系统 第7-420部分：基本通信结构 分布式能源逻辑节点

(English Translation)

Issued by: National Energy Administration

Preview: page 1 of 5 shown, 15 in the full document. Complete English PDF, instant download:
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Table of Contents

[Preview only]
1 Scope
2 Normative References
3 Terms and Definitions
3.1 Basic Names
3.2 Connection (Interconnection) Part
3.3 Operation and Control
3.4 Security
3.5 Others
4 Ratings
4.1 Primary Part
4.2 Secondary Part
4.3 Classification by service environment
5 Design and Construction
5.1 Connection Procedure
5.2 Technical Characteristics and Operation Characteristics of Power Grid to Meet
5.3 Universal Technical Conditions of Connection (Interconnection)
5.4 Classified Connection (Interconnection) Clauses
5.5 Start of New Equipments
5.6 Synchronous grid connection after power supply restoration
5.7 Protection functions
5.8 Communication
5.9 Operation information monitoring
6 Grid Operation
6.1 General
6.2 Load Prediction
6.3 Equipment Maintenance
6.4 Power Generation and Utilization Balancing
6.5 Ancillary Services
6.6 Frequency and Voltage Control
6.7 Load Control
6.9 Stability and Security Countermeasures of System

Preview: page 2 of 5 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/dl-t-860-7420-2012

7 Routine Tests
7.1 Electrical safety
7.2 Temperature rise
7.3 Environmental adaptability
7.4 Mechanical protection
8 Flashover or Withstand Characteristic of Insulators
8.1 Electromagnetic disturbance limits
8.2 Immunity test levels
9 Information to Be Given with Enquiries, Tenders and Orders
9.1 Cooling system
9.2 Auxiliary power supply

1 Foreword

DL/T 860.7420-2012 is issued by National Energy Administration.

It is one of 28 parts of the DL/T 860 series.

The DL/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

2 Scope Preview

DL/T 860.7420-2012 falls under ICS 29.240.01, in the field of electrical engineering.

This catalogue holds 883 other DL/T standards in that field.

In this catalogue, DL/T standards carry edition years from 1991 to 2026.

3 About this standard

Issued by: National Energy Administration

English translation: about 15 pages (approximate)

4 Related standards

Other parts of this standard:

DL/T 860.3-2004 - Communication networks and systems in substations. Part 3: General requirements

DL/T 860.4-2004 - Communication networks and systems in substations. Part 4: System

Preview: page 3 of 5 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/dl-t-860-7420-2012

and project management

DL/T 860.4-2018 - Power automation communication networks and systems - Part 4: Systems and project management

DL/T 860.5-2006 - Communication networks and systems in substations. Part 5: Communication requirements for functions and device models

DL/T 860.6-2008 - Communication networks and systems in substations. Part 6: Configuration description language for communication in electrical substation related to IEDs

DL/T 860.6-2012 - Part 6: Configuration description language for communication in electrical substation related to IEDs

DL/T 860.10-2006 - Communication networks and systems in substations. Part 10 Conformance testing

DL/T 860.10-2018 - Communication networks and systems for power utility automation -Part 10: Conformance testing

DL/T 860.71-2006 - Communication networks and systems in substations Part 7-1 Basic communication structure for substations and feeder equipment Principles and models

DL/T 860.71-2014 - Communication Networks and Systems in Substations - Part 7-1: Basic Communication Structure Principles and Models

DL/T 860.72-2004 - Communication networks and systems in substations Part 7-2: Basic communication structure for substation and feeder equipment Abstract communication service interfaces

DL/T 860.72-2013 - Part 7-2: Basic information and communication structure-Abstract communication service interface(ACSI)

DL/T 860.73-2004 - Communication networks and systems in substations Part 7-3: Basic communication structure for substation and feeder equipment Common data classes

DL/T 860.73-2013 - Part 7-3: Basic communication structure-Common data classes

DL/T 860.74-2006 - Communication networks and systems in substations Part 7-4: Basic communication structure for substation and feeder equipment Compatible logical node classes and data classes

DL/T 860.74-2014 - Communication Networks and Systems in Substations - Part 7-4: Basic Communication Structure for Compatible Logical Node Classes and Data Classes

DL/T 860.81-2006 - Communication networks and systems in substations. Part 8-1: Specific Communication Service Mapping (SCSM) mapping to MMS (ISO 9560-1 and ISO 9506-2) and to ISO/IEC 8802-3

Preview: page 4 of 5 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/dl-t-860-7420-2012

DL/T 860.81-2016 - Electric power automation communication networks and systems - Part 8-1: particular communication service mapping (SCSM) - mapping to MMS (ISO 9506-1 and ISO 9506-2) and ISO/IEC 8802-3

DL/T 860.91-2006 - Communication networks and systems in substations Part 9-1: Specific communication service mapping(SCSM)-Sampled valuws over serial unidirectional multidrop point to point link

DL/T 860.92-2006 - Communication networks and systems in substations. Part 9-2: Specific Communication Service Mapping(SCSM). Sampled values ISO/IEC 8802-3

DL/T 860.92-2016 - Communication networks and systems for power utility automation Part 9-2: Specific Communication Service Mapping(SCSM)-Sampled values over ISO/IEC 8802-3

DL/T 860.93-2019 - Power automation communication networks and systems. Part 9-3: Power automation system precise time protocol subset

DL/T 860.801-2016 - Power automation communication networks and systems - Part 80-1: application of DL/T 634.5101 or DL/T 634.5104 exchange of data model information based on CDC

DL/T 860.901-2014 - Electric Power Automation Communication Network and System - Part 901: DL/T860 Application in Substation Communication

DL/T 860.904-2018 - Power automation communication networks and systems - Part 90-4: Network engineering guide

DL/T 860.905-2019 - Communication networks and systems for power utility automation Part 90-5: Use of IEC 61850 to transmit synchrophasor imformation according to IEEE C37.118

DL/T 860.7410-2016 - Part 7-410: Basic communication structure-Hydroelectric power plants-Communication for monitoring and control

5 Classification and status

International classification (ICS): 29.240.01

Prefix DL/T: recommended standard.

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https://chinastandards.org/standards/dl-t-860-7420-2012