

ICS 35.240
CCS L 70

DL

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

DL/T 2014-2019

Post evaluation for power informatization project

电力信息化项目后评价 清晰版

(English Translation)

Issued on: June 4, 2019

Implemented on: October 1, 2019

Issued by: National Energy Administration

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1.

This standard was proposed by the Standardization Center of the China Electricity Council.

This standard is under the jurisdiction of the Power Industry Information Standardization Technical Committee (DL/T C27).

Drafting organizations of this standard. China Electric Power Research Institute Co., Ltd., China Electricity Council, State Power Investment Corporation Company, Guangdong Power Grid Co., Ltd., China Power Construction Co., Ltd., Guodian Nanjing Automation Co., Ltd., State Grid River North Electric Power Co., Ltd., State Grid Anhui Electric Power Co., Ltd., State Grid Hubei Electric Power Co., Ltd., State Grid Inner Mongolia Eastern Electric

Power Co., Ltd.

Company, State Grid Gansu Electric Power Co., Ltd.

1 Scope

This standard specifies the evaluation system, index settings and calculation methods for the post-evaluation of electric power information projects.

This standard is applicable to the post-evaluation work of power enterprise informatization projects.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB/Z 20986-2007 Information Security Technology Information Security Incident Classification and Classification Guidelines GB/T 22239-2008 Information Security Technology Information System Security Level Protection Basic Requirements

3 Terms and definitions

The following terms and definitions apply to this document.

1 3.1

Information project

Information transmission, information security, information storage, information application using computers, communication technology and other modern information technologies as the main means Newly built, expanded or rebuilt projects such as using systems.

2 3.2

Post project evaluation After the completion of the project completion acceptance and operation for a period of time, the project's purpose, execution process, safety, benefit, function and impact will be improved A technical and economic activity that conducts systematic and objective analysis and summary.

3 3.3

Construction quality from the perspective of the information technology product itself, evaluate the management and technical level of the information project in the construction phase.

4 3.4

Operation and maintenance level from the perspective of the status of the information system in a certain period after it is put into operation, evaluate the performance of the information system in the operation and maintenance phase.

Management and operation status.

5 3.5

Application effectiveness from the perspective of information system users, evaluate the support effect of the information system on the actual business in the application process.

6 3.6

Economic benefit

Starting from the direct and indirect economic benefits and investment funds produced by the information system, evaluate the input-output ratio of the information system.

4 Evaluation system

1 4.1 System Model

The post-evaluation system for power informationization projects specified in this standard includes four parts. construction quality, operation and maintenance level, application effectiveness, and economic benefits the model of the post-evaluation system for power informationization projects is formed, as shown in Figure 1.

2 4.2 Indicator settings the post-evaluation system for power informatization projects has a total of three-level evaluation indicators, including 4 first-level indicators, 13 second-level indicators, and third-level indicators 10. The indicators at all levels are selected according to the following principles.

- a) Comply with relevant national laws and regulations and power industry regulations;
- b) Systematic, conciseness, objectivity, timeliness, and measurability;
- c) Combination of qualitative indicators and quantitative indicators;
- d) Absolute quantity index combined with relative quantity index;
- e) Try to avoid obvious inclusion relationships between indicators;
- f) The setting of indicators should be focused and hierarchical, and the selection of indicators should maintain the same trend.

The scores of the post-evaluation system of electric power informationization projects are weighted according to the indicators to obtain the dimensionless total scores.

The Elphi method, the analytic hierarchy process and the policy orientation are determined.

3 4.3 Instructions for use of indicators the post-evaluation system of electric power

information project is explained as follows during use.

- a) The evaluation system should be used for informatization projects that have passed the completion acceptance and have been in operation for one year or more;
- b) The evaluation system and indicators at all levels are calculated for a single informatization project;
- c) All levels of indicators and weights can be adjusted appropriately according to the actual information construction of the enterprise;
- d) The minimum score of all the first-level, second-level and third-level indicators is 0 and the highest is 100;
- e) All data items should try their best to ensure objectivity in the process of obtaining values and reduce the amount of subjective data.

5.1 Overview of indicators

The construction quality of the first-level indicators ranges from project construction management standardization, independent controllable rate, resource utilization, technological advancement, and management advancement Evaluation is carried out in five aspects. There are 5 secondary indicators and 3 tertiary indicators, as shown in Table 1.