**IEEE P2938 draft 2.0 to 2.5 Main revision contents**

**1.** The titles revision.

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| --- | --- | --- |
| **Clause** | **Original title** | **New title** |
| 4 | Principles and process of economic loss evaluation | Principles and process of economic loss evaluation for voltage sag management |
| 6 | The items of costs of voltage sag management | The items of costs for voltage sag management of economic loss evaluation |
| 7 | The indexes of the cost and economic loss of voltage sag management | The indexes of the cost and economic loss evaluation of voltage sag management |
| 8 | Cost-investment evaluation methods for voltage sag management | Economy of cost-investment evaluation methods for voltage sag management |

**2.** Newly added items.

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| **Clause** | **Name of new item** | **Interpretation** |
| 6.2.3 | Cost of monitoring data analysis and advanced applications (*C*dmo) | Cdmo is the cost of monitoring software, including the cost of data research, data docking, software development, etc |
| 6.3.5 | Profit from peak load shifting of mitigation equipment (*I*pmi) | The mitigation equipment with energy storage device can be used not only for voltage sag management, but also for peak load shifting of electric energy to obtain the profit of electricity price difference. The profit can reduce the total cost of voltage sag mitigation project. |

**3.Clause 5.** The SIC code of some industries in Table 1 is revised. Now the SIC code corresponding to sensitive industries is more accurate.

**4.Appendix A.** The SIC codes of non-sensitive industries in Table A.1 are deleted. Now the industries listed in Table A1 are all sensitive industries which are vulnerable to voltage sag.

**5.Appendix H.** The annual value of profit for peak load shifting of mitigation equipment *A*pmi are added.

**6.Appendix I.** In the case of Appendix I, the energy storage mitigation scheme of lithium-ion battery is added. Now there are four mitigation schemes, namely the flywheel energy storage mitigation scheme, lithium-ion battery energy storage mitigation scheme, DVR compensation mitigation scheme and UPS compensation mitigation scheme.