SYNOPSIS OF IS/ISO/IEC 30134 (Part 4) of LITD

Number and Title of the Indian Standard: IS/ISO/IEC 30134 (Part 4) 'Information technology — Data Centres — Key Performance Indicators — Part 4 IT Equipment Energy Efficiency for servers (ITEEsv)

a) Scope:

This standard specifies Information Technology Equipment Energy Efficiency for servers (ITEEsv), a key performance indicator (KPI) which quantifies the energy efficiency characteristics of servers in a data centre. ITEEsv can be calculated using a choice of pre-existing or context specific server performance benchmarks. ITEEsv intends to assist in improving the aggregate energy effectiveness of servers in a given data centre.

This standard:

a) defines ITEEsv;
b) describes the purpose of ITEEsv;
c) describes how to use ITEEsv;
d) describes reporting of ITEEsv.

b) Salient features of content: The IS/ISO/IEC 30134 series defines requirements for the KPIs that are used to address aspects of data centre resource usage effectiveness or efficiency. ITEEsv is a KPI which describes the maximum performance per kW of all servers or a group of servers in the data centre based upon a specification or potential performance of these servers. ITEEsv reflects the energy effectiveness capability of servers, not the energy effectiveness at a real operating situation of the servers. This KPI is intended for self-improvement of a given data centre or a part of a data centre, not for comparison among different data centres. ITEEsv should not be used to set regulation for a data centre or individual server.

c) Types/grades/classes, if any covered in the standard: NA

d) Disclaimer (to be automatically provided by the program/software)