Draft new Recommendation ITU-T L.1350 (L.RBS)

Energy efficiency metrics of a base station site

Summary

Recommendation ITU-T L.1350 contains basic definitions of energy efficiency metrics, to evaluate the energy efficiency of a base station site including the energy consumption for:

* All the telecom equipment inside the base station site.
* The entire infrastructure, including cooling systems, monitoring systems (for power consumption, equipment running status, environment parameters, etc.), fire protection and lighting systems for all the sites.
* Energy losses due to AC/DC rectifiers, generator and cable losses.

The following energy factors will be considered for the evaluation:

* electric energy from a public grid
* full consumption of the generator for emergency purposes
* renewable energy including local or dedicated grid power.

Measurement methodologies for the parameters considered in the metrics proposed are contained in other ITU-T Recommendations of the same series.

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