

## **Boeing SSG Facilities**

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Input and output AC power distribution system sections of the UPS Draft Appendix A\_DC Output UPSs\_ Rectifiers and the ENERGY STAR PPDS for UPSs2 refer to compatibility and use the codes TN, TT and IT. These are not terms that are generally familiar within the North American community, for example you won't find them in NFPA 70, National Electrical Code. On review I find they refer to grounding arrangements described in IEC 60364. Perhaps the items could be labeled "grounding (earthing) compatibility per IEC 60364" to eliminate any ambiguity. I mention earthing parenthetically as grounding is the preferred USA usage, but Energy Star documents are often used in other countries.

Since almost every system installed must comply with NFPA 70 (which is adopted as law by many jurisdictions), the vast majority will be TN. An IT network might be used for bulk distribution within a large facility such as a data center, but there would be a stepdown transformer with TN output between the UPS and the critical load.