

## Application note for the IECEE CB scheme

The IECEE CB Scheme is an International system for acceptance of test reports that deal with the safety of electrical and electronic products. The scheme is a multilateral agreement among 38 participating countries and certification organizations, a manufacturer utilizing a CB test report and CB certificate issued in one of these organizations can obtain national certification in all other member countries.

For Information Technology and Telecommunications equipment, a project involves the assessment of the product in accordance with the instructions for use to the International standard IEC 60950. A CB scheme test report will be issued; this will include additional pages identifying compliance with national differences published in the CB scheme bulletin. The majority of these 38 countries have adopted the IEC Standard without the need to add further national requirements. The deviations currently published in the CB scheme bulletin include Europe (EN 60950), Canada, Japan, Korea and the U.S.A.

It should be assumed that all countries have additional national requirements, regulations and laws regarding the placement of your product on their market, always refer to your local distributor or import agent for advice. The CB report and certificate is an aide to global certification by the recognition of the results but should not be considered alone as global certificate for export. Further details can be found at [www.iecee.org/](http://www.iecee.org/).

The assessment will not normally include:

- Requirements for packaging, marking and installation/ user guides to be supplied in languages other than English (e.g for Germany, Israel and certain parts of Canada)
- Supply cords and plugs to meet national requirements. It is assumed that supply cords and plugs will be supplied locally to meet the laws of your countries of export.

The CB scheme report will be forwarded to SAI Global Assurance Services in Sydney (on behalf of Standards Australia) for review of the report and the issue of a CB scheme certificate. The certificate is required to validate the CB scheme report.

If a national certification scheme is required (in order to apply a mandatory or voluntary certification mark to your product), the CB scheme report and CB scheme certificate can be used as the basis of the application. *Comtest can arrange to obtain national certifications on your behalf.*

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### **Documentation requirements:**

In order to provide the safety assessment and the application to SAI Global, the following documents are required:

- SAI Global application form
- Product brochures & User/ Installation instructions
- Bill of Materials
- Assembly drawings & component drawings (if available)
- Schematic diagrams
- Component layout diagrams
- Details of safety critical components (see note 1)
- Flammability details of plastic parts including connectors, PWB's, cables and enclosures (see note 2)

### **Notes**

- 1) Safety critical components relate to components used that provide a safety function such as fuses, power supplies, transformers, motors, laser devices, mains couplers & primary wiring. It has been assumed that the manufacturer's or suppliers of these safety critical components hold suitable certification and test data that is acceptable to the CB scheme. Manufacturer's specifications, test data and certificates will be required to form part of the assessment. For example, if a power supply has been recognised by UL, the UL descriptive report will identify the requirements to be met once installed within the end product (including temperature limits to be maintained).
- 2) IEC 60950 details requirements to prevent ignition and spread of flame. Flammability ratings for plastic parts used need to be confirmed and reported within the report. The details need to include manufacturer, type designation and UL file number (other organizations not excluded). For enclosure plastics, the rating may refer to the original granular material used for the injection process. For connectors, many are recognised by UL to the relevant standard, in this case the file number for the connector should be sufficient.

### **Sample requirements**

A sample configured to provide normal operation is required, if necessary loading or full operation can be provided by other means such as software, external loads etc. Spare parts that are likely to fail or need replacement during the application of fault conditions should be provided to prevent the possibility of delay during the assessment.

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