



## EIA-310-D vs. EIA/ECA-310-D and EIA/ECA-310-E

Most APC NetShelter documentation references the Electronic Industries Association standard EIA-310-D.

You may have heard of, or been ask about, one of the following standards: EIA/ECA-310-D, EIA/ECA-310-E or EIA-310-E.

- Who is EIA?
- Who is ECA?
- What's the difference between these standards?
- Are the NetShelter racks and cabinets compliant with them?
- Are certificates or documentation available for all of these standards?

EIA stands for Electronic Industries Association.

As of February 2011 EIA became part of TIA (Telecommunication Industries Association ) and CEA (Consumer Electronics Association).

ECA stands for Electronic Components Association.

The ECA has merged with NEDA (National Electronic Distributors Association) to form ECIA (Electrical Components Industry Association).

EIA 310-D was the original document issued by the Electronic Industries Association to standardize many of the important features of the 19 inch cabinets. The document calls out specifications for vertical hole spacing, horizontal spacing and the cabinet opening.

NetShelter cabinets are EIA-310-D compliant however, there is no certificate or documentation available from EIA since they do not certify or test cabinets. It's up to the manufacturer to build their cabinets in compliance with the standard, or not.

In December of 1995 the EIA-310-D standard was updated. The changes made were mostly grammatical. The mechanical requirements were left unchanged. The updated document was originally known as EIA-310-E. It is currently referred to as EIA/ECA-310-E. With all of the changes in alliances recently it's quite likely that this name will also be changing.

NetShelter cabinets are EIA/ECA-310-E compliant, however, there is no certificate or documentation available from EIA/ECA since they do not certify or test racks. It's up to the manufacturer to build their racks in compliance with the standard, or not.