



May 19, 2015

To: Standards Technical Panel (STP) for Power Conversion Equipment, STP 508C;
Subscribers to UL's Standards Service for UL 508C and UL 61800-5-1;
Subscribers to UL's Recognition, Listing, and Unlisted Component Services for Power Conversion Equipment under UL 508C and UL 61800-5-1;
Multiple and Alternate Listees of UL Listed and Recognized Component Power Conversion Equipment (for information only).

Subject: Reminder of Upcoming Implementation Date, February 1st, 2016

BACKGROUND

This bulletin is being sent to remind you of an important date in the Continuing Certification⁽¹⁾ approach for UL 61800-5-1. As noted in the previous bulletin, "UL Bulletin: Implementation of Continuing Certification Program for Power Conversion Equipment" dated April 10 2013, UL will use the continuing certification approach and will not conduct an Industry File Review on power conversion equipment currently certified to UL 508C. As described below, the next important date for continuing certification is approaching quickly.

CONTINUING CERTIFICATION APPROACH

Please refer to the following for specific details of this new approach.

- On February 1st, 2016, new products that are not currently being investigated by UL under an active project will be required to be investigated to UL 61800-5-1. New products are defined as:
 - Any model or models that belong to a new series of drives (not previously Listed or Recognized to UL 508C)
 - Any new model to an existing series (currently Listed or Recognized to UL 508C) that are significantly different in design and require an associated change to the ratings and construction details section of the UL descriptive report for that series, see addendum for examples
- The next important date will be February 1st, 2020, where UL 508C will be withdrawn and only UL 61800-5-1⁽²⁾ will be used for all drive investigations including alternate constructions

INFORMATION ON TECHNICAL REQUIREMENTS OF UL 61800-5-1

To help you prepare for this important date, UL provides a workshop to help you understand the differences in requirements between UL 508C and UL 61800-5-1, "UL's Transition from UL 508C to UL 61800-5-1". The following public workshops are currently scheduled:

US Locations:

- August 18, 2015 at UL Research Triangle Park, NC
- November 5, 2015 at UL Northbrook, IL

Germany Locations:

- July 2, 2015 at UL Neu-Isenburg (Zeppelinheim)
- September 1, 2015 at UL Neu-Isenburg (Zeppelinheim)

This course can alternately be done as a private workshop at your own facilities in which case a UL instructor will visit to conduct the workshop. There is also another ½ day workshop available for private workshop only, UL 61800-5-1 Clearances and Creepages. This workshop goes into much greater detail in regards to clearance and creepage requirements than the one day seminar and is best done in conjunction with the one day seminar.

Please visit www.ulknowledgeservices.com for more information.

Should you have any questions regarding this letter or the Continuing Certification approach, please contact Sal Porcillo at (631) 546-2620 or Salvatore.Porcillo@ul.com

⁽¹⁾ Visit the following link for additional information regarding the Continuing Certification approach http://www.ul.com/global/documents/offerings/industries/powerandcontrols/resources/Continuing_Certification_Announcement_012913.pdf

⁽²⁾ Latest version applies; current edition is First Edition, dated June 8th, 2012.

Respectfully,

Bruce Mahrenholz
Director, CPO
Certification Program Office

ADDENDUM

Examples of new products that will require investigation to UL 61800-5-1:

1. New models of a new frame size (different physical dimensions from currently certified products)
2. New models with new ratings that require different topology from existing drives (for example single phase drives added to series that previously were only three phase)
3. New accessories for drives such as brake modules, control modules, filters, etc.

Examples of new models to an existing series that may be investigated to UL 61800-5-1 or UL 508C:

1. New models of the same topology that are identical in construction and have the same or lower ratings as existing drives and do not require test, for example new software feature
2. New models of the same topology and same physical dimensions but have higher ratings than existing drives, for example higher horsepower rating but with the only difference being alternate diode bridge, bus capacitors, and output IGBT