

# WHAT IS REQUIRED TO MAKE AN ACS550 OR ACS355 MEET IEEE519?

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## **Description:**

What is required to make an ACS550 or ACS355 meet IEEE519 at the drive line power terminals?

## **Answer:**

The ACS800-31/37 (Ultra Low Harmonics) and ACS800-11/17 (Regenerative) drives will meet the IEEE519 at the drive power terminals is. The ACS355 or ACS550 will not meet this IEEE519 system specification of current THD (Total Harmonic Distortion) of 5% or below. The options for allowing the ACS355 or ACS550 to meet the IEEE519 specification include adding diodes and a phase shifting transformer to convert the drives into an 18 pulse system. The next option is to look at TCI ([www.transcoil.com](http://www.transcoil.com)) and add a harmonic trap filter before the drive(s).

## **Documents or other reference material:**

None

## **Corrective Actions:**

None

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