



REQUIRED INFORMATION FOR HARMONIC DISTORTION REPORT

To: _____ Phone #: _____
Company Name: _____ Fax #: _____
Address: _____

From: _____ Phone #: _____
Company Name: _____ Fax #: _____
Facility or Project Name: _____
Address: _____

HARMONIC DISTORTION STANDARD (check one)

IEEE519-1992

Custom

Voltage TDD: _____ % Current TDD: _____ %

ONE LINE DIAGRAM

Attach a one line diagram with this form. The one line diagram must include all path components including transformers, reactors, fuses, MCCB's, passive filters, active filters, DC-link reactors, non-linear loads (6-pulse / 12-pulse / 18-pulse), linear loads, etc.

The following specifications must be detailed on the one line diagram per component.

1. Location of Point of Common Coupling (PCC)
2. Transformer(s)
 - KVA
 - Voltage
 - Impedance
 - X/R Ratio
 - Short-Circuit Current at PCC
3. Linear loads connected at the PCC
 - Volts
 - Amps
 - Horsepower
4. Non-linear loads connected at the PCC
 - Volts
 - Amps
 - Horsepower
 - Harmonic spectrum (if not provided 6-pulse harmonic spectrum will be assumed)
5. Reactors connected in the harmonic path
 - Amps
 - Inductance
 - Impedance

HARMONIC DISTORTION RESULT FORMAT (check one)

- 1. Total Harmonic Distortion (THD) current and voltage values.
- 2. Voltage and current waveforms at various points including at PCC. (2 weeks lead time)

- 1. Total Harmonic Distortion (THD) current and voltage values.
- 2. Voltage and current waveforms at various points including at PCC.
- 3. Current and voltage spectrum at PCC (3 weeks lead time)

DRIVE SCHEDULE

Drive Model Number	Quantity	Optional AC/DC Bus Reactors
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Harmonic analysis will be done with simulation software. It will model all components detailed on the one-line diagram. Engineering fees may apply depending on the complexity of the system.