

# TO WHOM IT MAY CONCERN

**For:** All Contractors **Date:** 10 August 2011  
**From:** Senior Network Engineer  
**Subject:** Revised Harmonics Management Policy

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Thank you all for your co-operation, consideration and feedback regarding EAL's harmonics policy. We appreciate your involvement and efforts in mitigating the rising levels of harmonic distortion in the network. To be able to achieve an acceptable harmonic level and provide a good quality of supply to our customers, we anticipate your continued support and collaboration.

To simplify the Harmonics mitigation process for the coming seasons, we have made some changes to the overall harmonics management policy. We believe this will simplify the existing harmonics testing requirements while ensuring a process that will continue to improve the quality of supply to our customers. Please note the following points-

- There will be no requirement for Form2. The modified Form1 i.e. Harmonic Form is used for EAL's compliance purpose.
- Each new/replacement/upgrade installation may be eligible for a testing waiver based on the information provided on the new Harmonic Form and on the basis of five previous successful test results of drive and filter combinations.
- All new/replacement/upgrade installations must be fitted with a filter(s). The supply will not be connected if the mitigating device(s) are not installed along with the harmonic polluting device(s).
- Harmonic Form must be submitted in advance, prior to the connection (at least three weeks).
- Test waivers will be provided on a case by case basis. All installations should be considered as ineligible for a waiver until a written waiver (email) is provided.
- Your prior planning is essential to facilitate a smooth connection process, and testing requirements. This will avoid any unnecessary delays or misunderstandings.
- **Two yearly random testing will be carried out on some new/replacement/upgraded installations.**

EAL reserves the right to test any site at any time at their discretion. This change in policy will be effective from Wednesday, 10 August 2011.

If you have any queries, please contact Dave Peacock (Team Leader-Inspection) in the first instance. Harmonic Form, New Harmonic Process Chart and the Network Harmonics standard can be downloaded from EAL's website ([www.electricityashburton.co.nz](http://www.electricityashburton.co.nz)) . We thank you again in anticipation of a successful 2011 irrigation season.