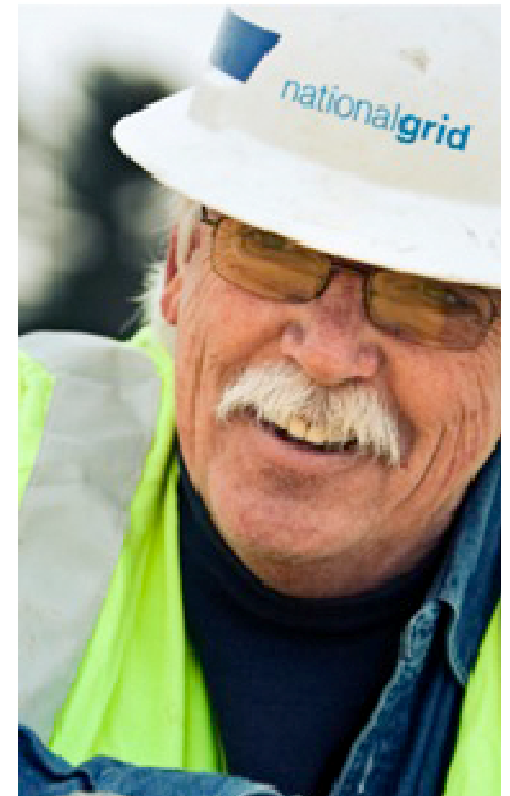
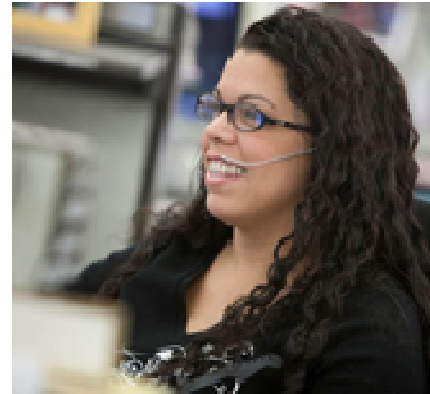
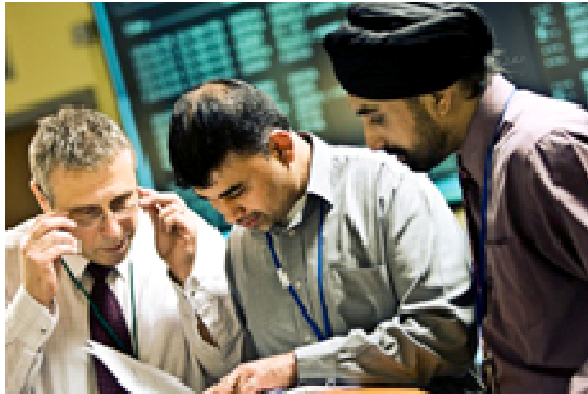


# Harmonic assessments

Presentation by National Grid



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# Background

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- ◆ September 2009 GCRP
  - ◆ Paper pp09/33
  - ◆ National Grid giving further consideration to whether provisions should be included in the Grid Code relating to the allocation of rights to emit harmonic pollution
  - ◆ National Grid to report back to the November GCRP

# Current position

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- ◆ GC references ER G5/4 for the management of harmonic emissions
- ◆ Headroom to emit allocated on a first come first served basis
- ◆ In some cases, users' investment decisions on mitigation cannot be taken at the most efficient time
- ◆ National Grid believes that a review of the processes used in analysing and allocating emissions is required
- ◆ ER G5/4 falls under the ownership of the ENA
- ◆ 2008 – ENA Engineering Committee agreed to establish a permanent co-ordination committee to look at all issues relating to power quality
  - ◆ Power Quality Electro-magnetic Compatibility PQ/EMC
  - ◆ Not yet met

# Recommendation

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- ◆ National Grid believes that ENA governance structures should be used to review G5/4 within PQ/EMC
- ◆ GCRP is asked to:
  - ◆ Support the requirement for a review
  - ◆ Write to the ENA explaining this
  - ◆ Request that PQ/EMC is taken forward