

# Results from motor check tests in Australia

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# Regulating equipment – Equipment Energy Efficiency (E3) Program

- The E3 program is run cooperatively by Australian Commonwealth, State & Territory governments and the New Zealand Government.



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# What does E3 do?

- E3 has two main instruments to improve energy efficiency of products – mandatory MEPS and/or labelling
- Nationally consistent energy efficiency regulation
- MEPS and labelling is backed up by compliance and check testing program
- Suppliers support check testing – helps to ensure a level-playing field for everyone



# Sale of products in Australia & NZ

- Manufacturers and suppliers must register products for MEPS (and/or labelling), in order to legally sell those products in Australia and NZ.
- [www.energyrating.gov.au](http://www.energyrating.gov.au) has publicly available database of all products registered for MEPS and labelling
- Purchasers of equipment can check energyrating website to make sure the product is registered



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# Motor test laboratory in Australia



Photo by CalTest



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# Compliance and check testing

- E3 has ongoing compliance and check testing program for MEPS and labelling
- Systematic check testing of motors has been underway for several years
- Registration audits to check motors offered for sale are registered for MEPS



# Compliance and check testing – Stage 1

- Stage 1 – test one sample in accredited laboratory
- Sample is purchased anonymously by E3 or laboratory
- If product fails Stage 1, then it is subjected to Stage 2 testing



# Compliance and check testing – Stage 2

- Stage 2 – three more samples are tested. If these also fail, then the product is deemed to be non-compliant. Product is de-registered and can no longer be legally sold.
- Legal or administrative sanctions may also be applied.
- More details in E3 Administrative Guidelines: <http://www.energyrating.gov.au/pubs/admin-guidelines.pdf>



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# Motor check test results

- Between March 2008 and August 2010, E3 finalised 50 motor check tests from 20 different motor suppliers.
- E3 is pleased at the high rate of compliance – only one failed and product was deregistered.
- However, purchasing motors for testing revealed some motors weren't registered for MEPS.



# Importance of good regulatory standards!

- Compliance and enforcement programs require clear and unambiguous test method and MEPS standards to ensure a 'level-playing field' for manufacturers and suppliers.
- Ambiguous standards mean regulators can't take any legal or administrative sanctions against suppliers who don't comply.



# Impact on suppliers and regulators

- If regulators can't take action, it is unfair to suppliers and manufacturers who do the right thing.
- Need global harmonisation of robust and unambiguous test method standards.
- International cooperation on check testing and compliance for globally traded goods such as motors is also essential.



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# EMSA Task C – Testing Centres

- Aim to improve quality of motor testing by building network of test labs (led by Australia)
- Share information about interpreting test method standards, best practice.
- Second workshop was 26 October 2010, Zurich
- Web forum on Leonardo Energy



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