

Japan – Brazil Cooperation on Energy Conservation

METI/ECCJ

Program-1- Improvement in Standard and Labelling of Electrical Appliances

Training as the first training of trainers (TOT)

Final Country Report

Additional information

01-12-2020

Ministry of Mines and Energy- MME

Secretary of Energy Planning and Development- SPE

Department of Energy Development- DDE

Electrical Power Research Center - CEPEL

Fundão Laboratory Department - DLF

Refrigeration Laboratory - MA7

National Institute of Metrology, Quality and Technology- INMETRO

Compliance Assessment Department

Brazilian Electricity Centers S.A. - Eletrobrás

National Program of Energy Conservation- Procel

Brazilian Electricity Centers S.A. - Eletrobrás

Electricity Research Center- CEPEL

1 Clarifications

- In relation to the bin numbers, it is important to clarify that this methodology is already integrated into Inmetro's Ordinance nº 234/2020. It also defines the test points to variable speed and fix speed compressors, having ISO 16358-1 as a reference.
- Labelo already realizes tests to air conditioners of variable speed of up to 38.000 Btu/h.
- Cepel and Labelo have procedures to receive and test the equipment, identify problems and act with the customer, meeting the required standards. The introduction of ISO 16358-1 brought the tests of variable speed air conditioners to the scope of testing activities.
- During the review process of Inmetro's labelling program for air conditioners it was not considered a regional labelling. And the adoption of national bin numbers was a consensus among the stakeholders.
- The adoption of a methodology such as Japan's Top Runner Program implicates in having access to the sales data of the models, which is still a barrier in Brazil.
- And finally, it is important to clarify that a modification of Cepel's laboratory chamber is necessary to meet the requirements of ISO 16358-1 and that it can present delays due to the procurement process of this service.