

MINISTÉRIO DE  
MINAS E ENERGIA



## Welcome to “Online Specific Meeting”



*Beautiful Season in Japan – Winter to Spring*

# Program (1)



Time : Brazil – AM / Japan –PM

Time	Agenda
08:00-08:10	1. Opening Remarks(Mr. Kazuhiko Yoshida, Technical Consulting Adviser, ECCJ)
08:10-08:15	2. Self-Introduction (Name and Organization) / Group Photo
08:15-08:45	3. Actual Progress in Improvement as per the Action Plan (Study Report – 1) and Issues
08:15-08:25	● Explanation by CEPEL
08:25-08:35	● Explanation by LABELO PUCRS
08:35-08:45	▶ Discussion and Confirmation
08:45-08:50	Break (for an Interpreter)
08:50-10:00	4. Advice and Questions Required for JATL-ECCJ to Provide or Answer
08:50-09:05	● Summary and Evaluation of the Results of the “Performance Tests” (JATL)
09:40-09:25	● Answers to the Questions of CEPEL and LABELO PUCRS (JATL)
09:25-09:45	● Comments and Advice for CEPEL and LABELO PUCRS (JATL)
09:45-10:00	▶ Overall Q&A and Discussion

# Program (2)



Time : Brazil – AM / Japan –PM

Time	Agenda
10:00-10:05	Break (for an Interpreter)
10:05-10:15	5. Other Matters Related to Improvements in Laboratories
10:15-10:25	6. Wrap-up and Confirmation of Points to Revise Specifics and Plans to Continue Improvements (ECCJ)
10:25-10:30	Closing Remarks (by Ms. Samira Sana Fernandes De Sousa Carmo, General Coordinator, MME)

# Participants – Invitees

## Brazil Side

Organization	Name			
	Family	Middle	First	
MME	Pires	Alexandre Principe	Carlos	
	Samira	Sana Fernandes De Sousa	Carmo	
	Maciel	Albuquerque	Alexandra	
CEPEL	Ordine	Pires	Alberto	
	Barbosa	da Cost	Alessandra	(Absent)
	dos Santos		Paulo	
	Lisboa	de Abreu	Pablo	
	Duboc	de Almeida	Wagner	(Absent)
LABELO PUCRS	Teixeira	Dulcimar	Israel	(Absent)
	Mianes	Leão	Rodrigo	
	Weschenfelder		Leandro José	
	Malta Filho	Cardoso	Nelson	
INMETRO	Amaral Kyriazis		Gregory	
	Monteiro	Tiago	Felipe	
	Anders Brasil		Davi	
	Da Silva Souza		Hercules Antonio	
Eletrobras-PROCEL	Fonseca	Zidan	Victor	(Absent)

## Japan Side

Organization	Name			
	Family	Middle	First	
ECCJ	Yoshida		Kazuhiko	
	Ishikawa		Toshinobu	
JATL	Mori		Koji	
	Hirata		Ryota	

## Wrap-up and Confirmation

- 1. Regarding the improvements in the laboratories of CEPTEL and LABELO PUCRS,**
  - (1) All the questions from the Brazilian side were answered and clarified.**
  - (2) The comments on the results of the performance tests and advice including recommendations were provided by JATL for the Brazilian side to better understand the points to identify further specific improvements.**
  - (3) CEPTEL and LABELO PUCRS will revise or further develop the action plans based on the results of discussion and will continue realizing the improvements as per the action plans.**
  - (4) Some requests for the Japan side were discussed and noted by the Japan side for consideration in the future.**

## Wrap-up and Confirmation

- 2. Toward enforcement of the “2020 Ordinance No. 234”, the basic plan to improve the S&L System for air conditioners will be developed by MME, INMETRO and PROCEL, based on the Study Report – 2 developed through (STEP-2) Training. This basic plan also will reflect and/or consider the following.**
  - The action plans established by CEPEL / LABELO PUCRS**
  - The comments especially on the Study Report – 2 provided by the Japan side.**
- 3. The future activities for the capacity building to smoothly enforce the “2020 Ordinance No. 234” are as follows**
  - Continue Improvements in the 2 laboratories as per the action plans reflected the results of this meeting.**
  - Continue TOTs in Brazil**
  - Develop the basic plan to improve the S&L System for air conditioner and realize the activities as per the basic plan.**

# Wrap-up and Confirmation

## 3. Way Forward

### 3-1 Requirements for the testing laboratories

- (1) To develop the “Standardized Format of Test Report” and “Base Test Manual” for the other laboratories to use

### 3-2. Requirements for the S&L System for air conditioners

- (2) To establish the national system as follows

- To timely establish the “2 National Reference Laboratories”
- To guarantee the testing capacity by expanding testing laboratories and the precision of tests through regular calibration

- (3) To Improve the policy measure to disseminate more efficient products manufactured as per the new standard

- (4) To establish a system to monitor the actual results, evaluate improved energy efficiency of products used in the market and propose the next actions required

## **(Reference) Comments by ECCJ in Online Follow-up Workshop**

### **(Output – 1) Test Report**

**Study to standardize the test report, the main contents and forms for the common data sheets etc. by identifying the deferent parts for the types of testing facilities.**

**(Recommended use of the JATL's data sheets / check lists)**

### **(Output – 2) Standardized Test Manual with Criteria**

**Study to develop the manual consisted of the common contents and the specific contents dependent on the specifications of the testing facilities. (the 2 types - the calorimeter test method and the air enthalpy test method)**



## **(Reference) Comments by ECCJ in Online Follow-up Workshop**

### **(Output – 3) Study Report – 2**

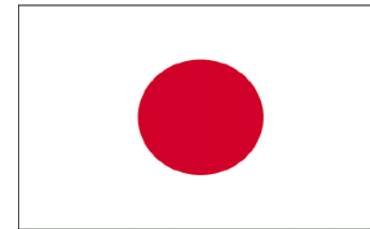
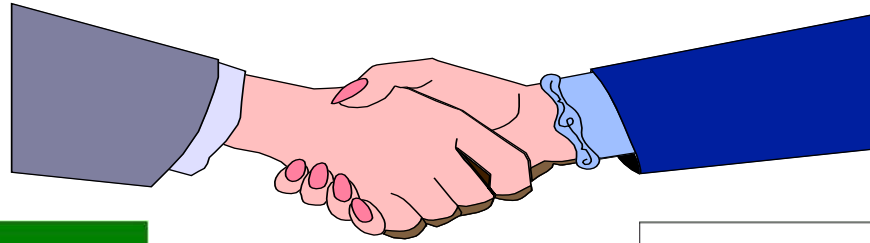
**Develop measures to disseminate higher efficiency of air conditioners manufactured and accredited as per ISO 16358-1 CSPF in the market.**

- (1) Establish the “2 National Reference Laboratories” by providing CEPEL with technical and financial support.**
- (2) Expand competent testing laboratories in Brazil and establish a system for the inter-laboratory “Round Robin Test”.**
- (3) Study to establish measures and system as follows**
  - ▶ For consumers to understand the new standard and merits to purchase higher efficiency of products with trusting test data accredited as per ISO 16358-1 CSPF.**
  - ▶ To incentivize consumers for purchasing high energy efficiency of products with a guaranteed performance**

## **(Reference) Comments by ECCJ in Online Follow-up Workshop**

- (4) Study to develop measures to monitor the amount of shipped products to sell in the market for evaluating an improvement in energy efficiency of air conditioners using in the market under the new standard.**
- (5) Study a more environment friendly policy, including for application of better GWP of refrigerant and for developing more energy efficient technology for air conditioners to reduce GHG.**

*Thank you very much*



For More Information

[The Energy Conservation Center, Japan \(ECCJ\)](http://www.eccj.or.jp)

<http://www.eccj.or.jp>

[Asia Energy Efficiency and Conservation Collaboration Center \(AEEC\)](http://www.asiaeec-col.eccj.or.jp/index.html)

<http://www.asiaeec-col.eccj.or.jp/index.html>

[Japanese Business Alliance for Smart Energy Worldwide](http://www.jase-w.org/english/top/)

<http://www.jase-w.org/english/top/>