ECCJ-05

(FY 2021) Japan – Brazil Cooperation on Energy Efficiency and Conservation (EE&C) Application of Key Factors of Top Runner Program (TR-3) Discussion : Toward Planning - Method and Strategy to Realize Possible Application to "PROCEL Gold Seal" (Air Conditioner)





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Discussion Session : Agenda

Possible Application of Factors of "Top Runner (TR) Program"

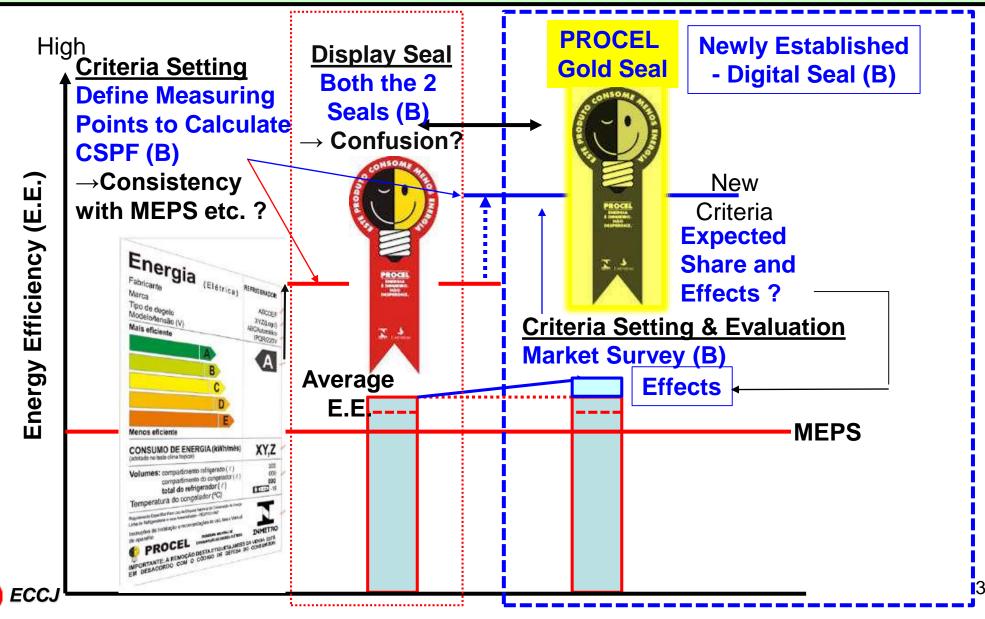
Theme :

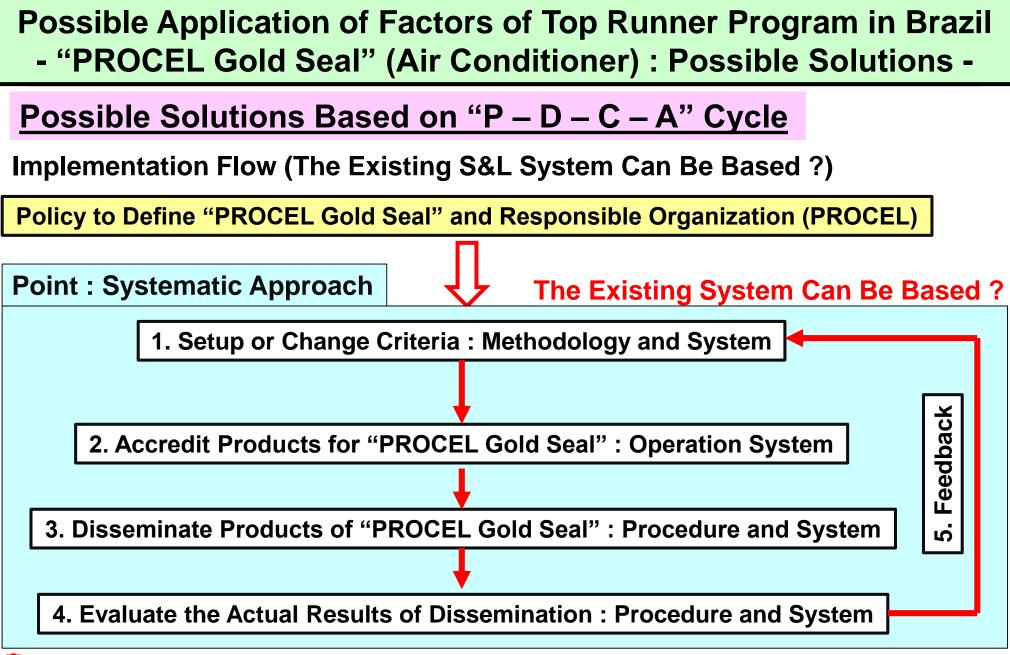
- Goal and Possible Solutions to Apply Key Factors of TR Program to "PROCEL Gold Seal (For Air conditioners)"
- Strategy, Method and Actions to Realize the Above
- (1) Main Goals for the Cooperation (by Brazilian Side)
 - 1) Clarification by Japan on Questions and Comments of Brazilian Side
 - 2) Discussion and Opinion Exchange

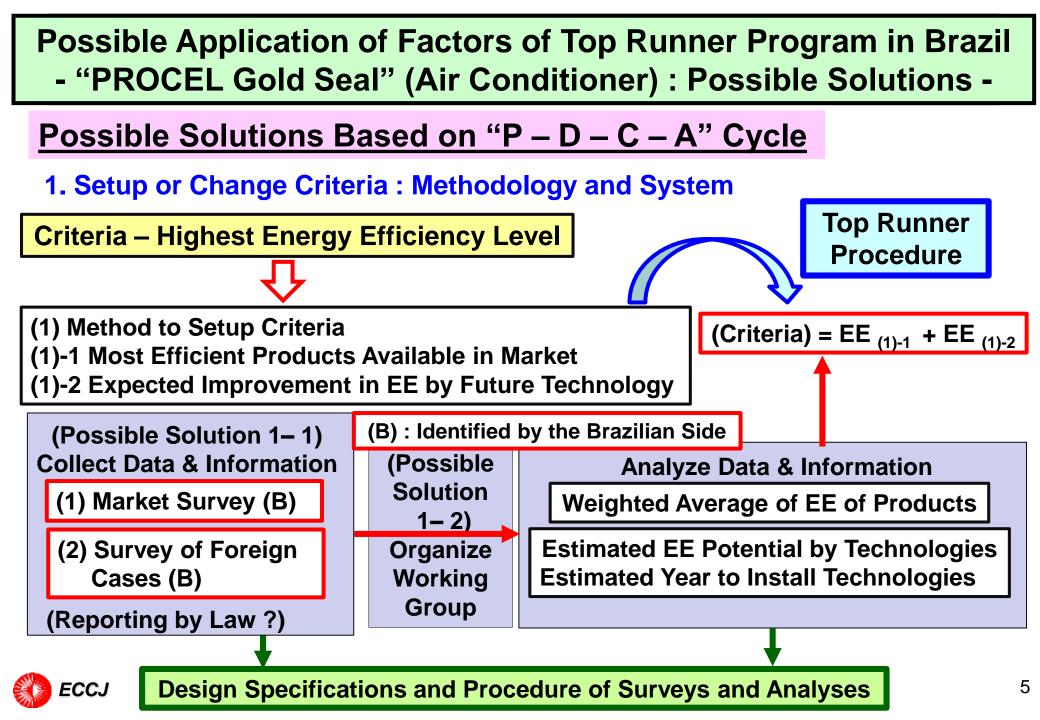
(2) Discussion

- 1) Possible Solutions to Apply Key Factors of Top Runner Program to "PROCEL Gold Seal (For Air Conditioner)"
- 2) Strategy, Method and Actions to Realize the Possible Solutions
- 3) Roadmap
- (3) Wrap-up and The Next Actions

Possible Application of Factors of Top Runner Program in Brazil "PROCEL Gold Seal" (Air Conditioner) : Points of Concept (B)







Possible Application of Factors of Top Runner Program in Brazil - "PROCEL Gold Seal" (Air Conditioner) : Possible Solutions -

Possible Solutions Based on "P – D – C – A" Cycle

2. Accredit Products for "PROCEL Gold Seal"

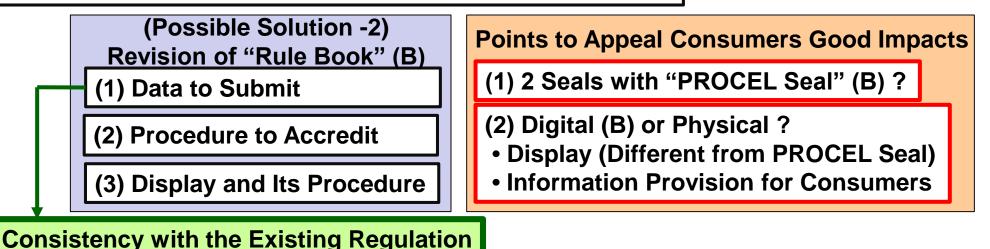
Accreditation System : Responsible Organization – PROCEL (Eletrobras)

(2) Methodology for Accreditation

(2)-1 Submission of Data of EE Performance by Companies

(2)-2 Check and Assessment of Data

(2)-3 Display for the "PROCEL Gold Seal" Products



Possible Application of Factors of Top Runner Program in Brazil - "PROCEL Gold Seal" (Air Conditioner) : Possible Solutions -

Possible Solutions Based on "P – D – C – A" Cycle

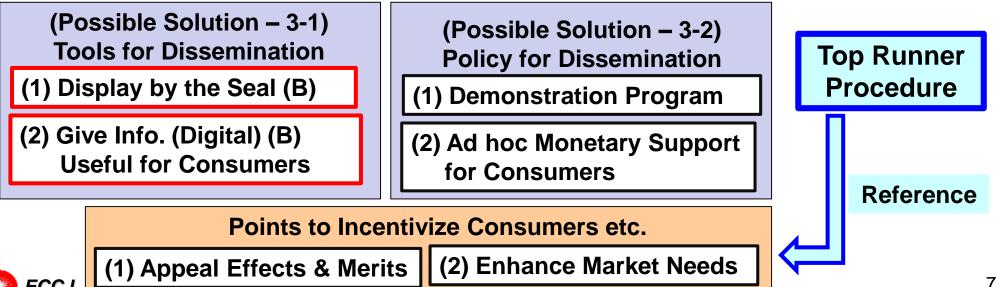
3. Disseminate Products for "PROCEL Gold Seal"

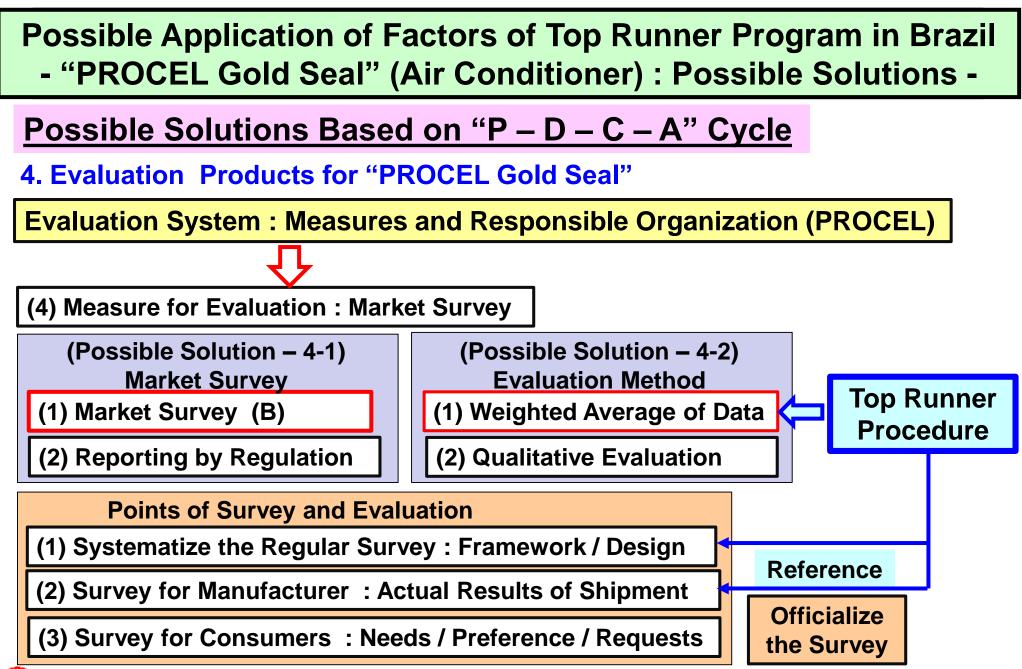
Dissemination System : Measures and Tools and Responsible Organization

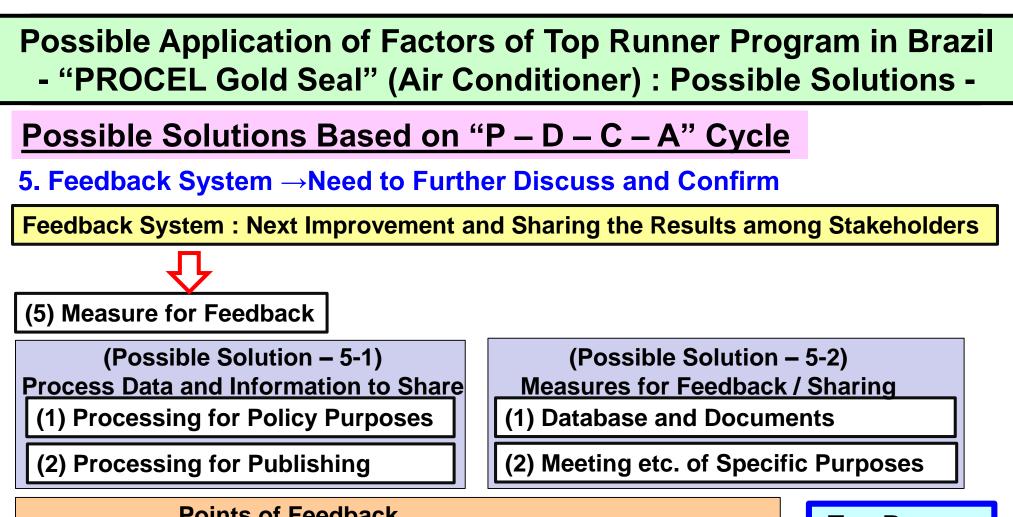
(3) Measure for Dissemination

(3)-1 Tools (Design of the Seal, Information System for Consumers) \rightarrow PROCEL

(3)-2 Policy Measures for Promotion (Financial Support etc.) MME etc.





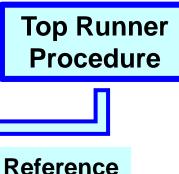




(1) Specify the Purposes \rightarrow Prepare Data etc. to Meet Purposes

(2) Feedback for Manufacturers to Incentivize R&D to Improve

(3) Expansion of Market of "PROCEL Gold Seal" Products





Possible Application of Factors of Top Runner Program in Brazil - "PROCEL Gold Seal" (Air Conditioner) : Direction -

Direction to Realize the Possible Solutions Identified by Brazil

1. Market Survey – 1 : Points (Specify Purposes – Design & Procedure)

		Purpose : Utilization of Results for			Design and Procedure		dure
Survey - 1	Survey Object	Set The New Criteria	Evaluate the Actual Results	Dissemination	Survey Items	Taskforce	Method
The Actual EE of Products Used in Market	Makers and Importers	Assess the Highest EE Products	Weighted Average of Shipped Products	Data (EE and Cost Performance)	As per the Purposes	TBD	TBD
		Purpose : Utilization of Results for			Design and Procedure		
Survey - 2	Survey Object	Set The New Criteria	Evaluate the Actual Results	Dissemination	Survey Items	Taskforce	Method
Applied	Foreign Products	Assess EE Potential	Assess Applicable Technologies	Feedback to Domestic Makers	As per the Purposes	TBD	TBD
Technologies for EE&C	Domestic Products	Comparison with Foreign Products	Assess Applied Technologies	Assess Potential of Applicable Technologies	As per the Purposes	TBD	TBD
$\overline{\mathbf{V}}$							
How to Make the Surveys Sustainable and Systematic in Brazil (Legal Measures ?)							



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Possible Application of Factors of Top Runner Program in Brazil - "PROCEL Gold Seal" (Air Conditioner) : Direction -

Direction to Realize the Possible Solutions Identified by Brazil

1. Market Survey – 2 : Points (Specify Purposes – Design & Procedure)

		Purpose : Utilization of Results for			Design and Procedure		
Survey - 3	Survey Object	Set The New Criteria	Evaluate the Actual Results	Dissemination	Survey Items	Taskforce	Method
Needs / Preference of Products for PROCEL Gold Seal"	Consumers	NA	Purchase (or)	 Feedback to Manufacturers Develop Support Measures to Promote the Products 	As per the Purposes	TBD	TBD

Irregular Survey through Retail Shops in Brazil ?



Possible Application of Factors of Top Runner Program in Brazil - "PROCEL Gold Seal" (Air Conditioner) : Direction -

Direction to Realize the Possible Solutions Identified by Brazil

2. PROCEL Gold Seal : Points (Visual Display for Motivating Consumers)

	Status	Display Form	Data / Information
PROCEL Gold Seal	Coexisted with "Procel Seal"	Digital : By Internet with QR Code to Access and Display the Seal No Physical Attachment (PROCEL Seal : Direct Attachment with the Products)	Digital : By Internet with QR Code to Access and Get Required Data and Info.
	Possible Issues to Check	Possible Issues to Check	Possible Issues to Check
	Confusion by the 2 Seals	Very Little Visual Impacts at a Glance to the Products	Question to Timely Get the Required Data / Info.
	Discussion to Solve	Discussion to Solve	Discussion to Solve
	Possibility to Show "PROCEL Gold Seal" only for the Products	Direct Attachment with the Products	Change in Design (Seal with a Label Showing the Key Data and Info.)



Possible Application of Factors of Top Runner Program in Brazil - "PROCEL Gold Seal" (Air Conditioner) : Study Roadmap -

Roadmap to Realize the Possible Solutions Identified by Brazil

- **1. Develop Specifics of The Possible Measures to Realize** (1) Market Surveys :
 - Purposes and Design / Procedure to Meet the Purposes
- (2) PROCEL Gold Seal :
 - Way to Display for Motivating Consumers with a Large Impact
- 2. Prioritize the Actions and Develop Plan of Action
 (1) Specify the Prioritized Actions and Issues to Solve
 (2) Develop the Plan of Action with Clarifying Milestones
- 3. Identify the Immediate Actions to Take, Based in Items 1 &2
 (1) Actions Possible to Implement Soon
 (2) Required Preparation to Take the Actions



Wrap-up and Required Preparation for Next Meeting

Possible Application of Factors of "Top Runner (TR) Program"

1. Wrap-up

- (1) Goal of the possible application of key factors of Top Runner Program The Brazilian side summarized the goals
 - Apply to "PROCEL Gold Seal" (for Air Conditioner).
 - Identified the possible solutions and the required actions.
 The Japanese side clarified the questions by the Brazilian side and discussed the points of the goals.
- (2) The possible solutions and the strategy etc. to realize these were discussed toward developing the specific plan, based on the systematic approach suggested by the Japanese side.

2. The Next Actions

- (1) The Brazilian side will continue studying to develop the plan of actions
- (2) The Brazilian side will start to take some immediate actions identified
- (3) The progress and the results of the above will be shared and discussed in the wrap-up meeting for confirming the future direction.

