

PCF World Forum Update Workshop
“International standardization, legislation and
consistency in product carbon footprinting”

**Introduction to the hierarchy of developed
Product Category Rules to underpin the
Japanese carbon footprint system**

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Progress of Carbon Footprint of Products (CFP) System in Japan

July 29, 2008	<p><u>Cabinet Decision; “Action Plan for achieving the Low-carbon Society”</u></p> <ul style="list-style-type: none"> · Experimental introduction of CFP system into Japan on a trial basis from fiscal 2009 · Proactive contributions to the discussions for establishing international standards under ISO
	<p>Exchange views on CFP with other countries.</p> <ul style="list-style-type: none"> · visit the government agencies concerned, etc.
October 8, 2008	<p><u>The draft of “National Basic Guideline of Carbon Footprint of Products” was issued</u> (page2)</p> <ul style="list-style-type: none"> · By the Working Group for study & development of rules of GHG emission calculation, communication methods and other schemes of CFP.
	<p>Process of Public comments on the draft of Guideline</p>
November 5, 2008	<p><u>The deadline of ballot for NWIP (New Work Item Proposal) of CFP</u></p> <ul style="list-style-type: none"> · Approval of “Committee for the discussions of ISO establishing international standards” composed of Academics, Industry Bodies (27 bodies), Consumer Groups, Accreditation Bodies, Certification Bodies and Government agencies concerned
December 11 to13, 2008	<p><u>“Eco Products 2008”, exhibition of trial products labeled CFP (30 companies, 54 products)</u> (page3,4)</p> <ul style="list-style-type: none"> · Organized by “Working Group for practice and wide use of CFP system” · Academics, Companies (30 companies), Consumers and Government agencies concerned · Participating companies drew up provisional PCR s of their own products and calculate CFP on a trial basis
January 19 to 24, 2009	<p>Participation in the discussions of ISO/TC207/SC7/WG2 in Malaysia</p>
March 3, 2009	<p><u>“National Basic Guideline of Carbon Footprint of Products” was issued</u></p>
From April 2009	<p><u>Commencement of “National Pilot Project for building of CFP system”</u> (page5)</p> <ul style="list-style-type: none"> · project period 2009FY – 2011FY
April 20, 2009	<p><u>Technical Specification “General principles for the assessment and labeling of Carbon Footprint of Products” (TS Q 0010) was issued</u></p> <ul style="list-style-type: none"> · The Guideline has been issued as “Technical Specification” .
June 22 to 25, 2009	<p>Planning to Participate in the discussions of ISO/TC207/SC7/WG2 in Egypt</p>

Structure of Rules for Carbon Footprint of Products System in Japan

Basic concept of Structure of Rules

ISO 14040, ISO 14044 & ISO 14025

- making the best use of the concept of PCR, giving consideration to “Each Product Category may have each characteristic / need”, not depending on one common / rigid rule for all types of product categories.

“Basic Guideline of the Carbon Footprint of Products”

The Guideline provides basic frameworks (General Principle) for GHG calculation, communication methods and other schemes regarding CFP, attaching importance to the concept of PCR

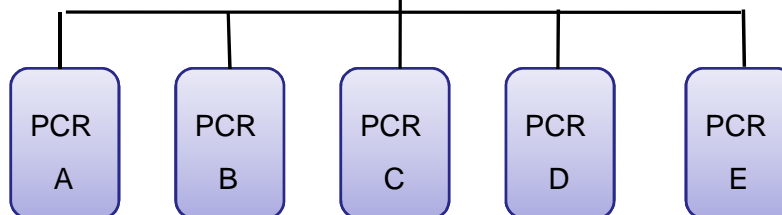
“Guide of Establishing Product Category Rules” (complement rules)

The Guide provides principles, criteria & process for establishing PCRs in accordance with the Guideline

To be issued as TS* / JIS*



Contribute to ISO discussions



Organizations/Industry Circles;
Establish PCRs according to the Guideline & the Guide

Organization;

Calculates Carbon Footprint of Product and put label on the product according to PCR

*JIS; Japanese Industrial Standard (nationwide standard) ,

*TS; Technical Specification published without a sufficient consensus to be established as a JIS but recognized to have such potential in the future.

CFP System in JAPAN (National Pilot Project, 2008FY - 2011FY)

Cabinet Decision, July 29 2008
"Introduction as National Project"

Opinions of consumer and industry

- avoid confusion by diverse labels
- avoid confusion by individual company's PCR
- avoid confusion by lack of international harmonization

National Pilot Project

"Basic Guideline of the Carbon Footprint of Products"
"Guide of Establishing Product Category Rules"

3
Contribution to ISO and other relevant activities concerning international standardization (from 2008FY)

Product Category Rule (from 2009FY to 2011FY)

1

- Companies belonging to one product category act together to develop one common PCR, which shall be approved by the Government
- Government makes PCR open to the public

4
Building the scheme for reliability
(including third party certification system) (from 2009FY)

Verification (from 2009FY to 2011FY)

2

- Government verifies result of individual company's calculation according to the government approved PCR
- Government grants Company's request to use CFP label on its product

5
Database Construction (from 2009FY)

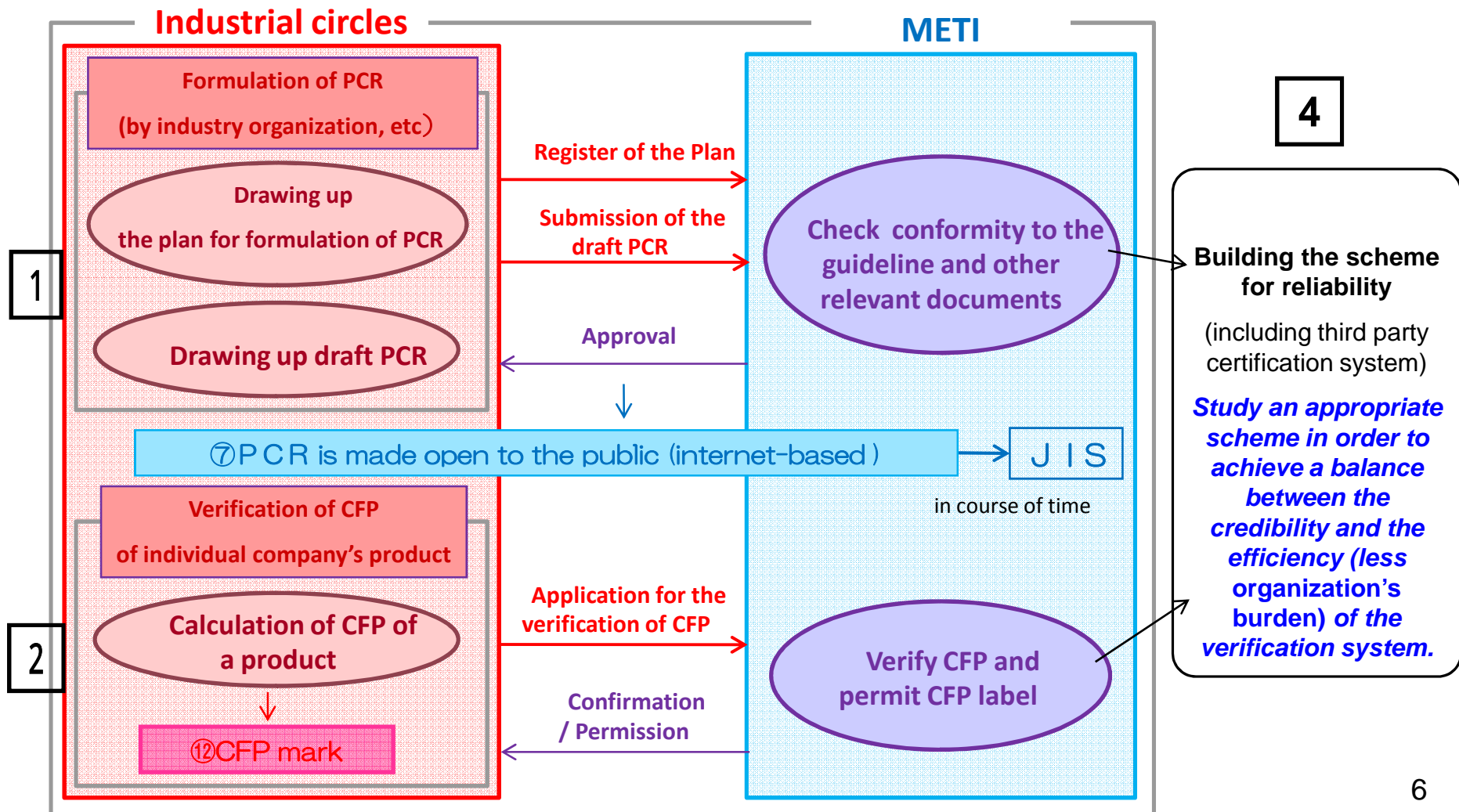
National Pilot Project for the establishment of CFP system, project period 2009 – 2011
- The detail of the process for formulation of PCR & verification of CFP during pilot project -

OBJECT of the Pilot Project (2009-2011) is “Build up the feasible CFP system within 3 years”, thereafter transfer to the private sector.

- METI will perform the tasks of approval of PCR (Product Category Rule) and verification of CFP as a provisional program holder in cooperation with industrial circles.

(PCRs of industrial products will be issued as JIS (Japanese Industrial Standards) in course of time in principle.)

-Study problems of implementation of CFP system and improve the system throughout the project period before transfer to private sector.



JEMAI's site of Japan's Carbon Footprint Activities

<http://www.jemai.or.jp/english/carbonfootprint.cfm>

1. Background and Japan's CFP-related historical activities
2. The framework of Japan's National Pilot Project of CFP: TS Q0010 - Characteristics of Japanese CFP related Technical Specification
3. Future activities and pilot projects from 2009
4. Related materials (PDF file)
 - Presentation by Dr. Inaba at PCR World Forum, Feb.09, Berlin:
 - Technical Specification (TS Q0010) :
 - [Technical Specification \(TS Q0010-Ver2\)](#)

5. Related links



Extract of Technical Specification (TS Q0010-Ver2 Tentative Draft)

Chapter 4. Quantification Method for CFP

4.1 Subject of Quantification

4.2 Quantification Coverage

4.3 Quantification Method

4.3.1 Basic quantification rules

4.3.2 Criteria relating to data collection

4.3.3 Criteria relating to data on equipment/facilities used during life-cycle stages

4.3.4 Allocation criteria

4.3.5 Criteria relating to acquisition from two or more suppliers

4.3.6 Criteria relating to operation of production facilities

4.3.7 Criteria relating to regional differences/seasonal variations

4.3.8 Criteria relating to biomass

4.3.9 Recycling criteria

4.3.10 Reuse criteria

4.3.11 Cut-off criteria

4.4 Product Category Rules (PCR)

4.5 Calculations at Each Stage

4.5.1 Raw material acquisition stage

4.5.2 Production stage

4.5.3 Distribution/sales stage

4.5.4 Use/maintenance control stage

4.5.5 Disposal/recycling stage

Annex B (normative) Provisions to PCR

B.1 Definition and Coverage of Products

B.2 Data Collection at Each Life-Cycle Stage

This tentative draft currently undergoes a revision and other items are to be added to Annex B.

Thank you for your attention !

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