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Committee on Trade and Environment
Special Session

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JAPAN'S PROPOSAL ON PRODUCT LIST FOR ENVIRONMENTAL GOODS AND SERVICES

Submission from Japan

Paragraph 31(iii)

Addendum

The following communication, dated 12 February 2010, is being circulated at the request of the Delegation of Japan.

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1. In response to the Chair's work plan provided on 2 October 2009, Japan hereby submits its proposal on attached product list for environmental goods and services to the Committee on Trade and Environment Special Session (CTESS). This list complements the preceding proposal from Japan (TN/TE/W/75), submitted to the CTESS on 27 November 2009, and identifies specific tariff lines coded by the six-digit Harmonized System (HS) 2002 and product description of energy efficient goods by ex-coming from corresponding tariff lines, all of which fall into the eleven criteria illustrated in the previous proposal.
 2. In addition, this proposal lays out draft technological and functional standards and implementation method to identify energy efficient goods at custom authorities, in order to serve as a basis for future discussion to establish harmonized "Energy Efficient Standards" among Member countries. In parallel with the debate on product coverage for environmental goods and services, Japan expects that elaborated works to create the Standard and implementation scheme to be undertaken in the CTESS would lead to the spread of energy efficient products certified under a single standard for energy efficiency, which would contribute to the mitigation of the climate change.
 3. These items are illustrated without prejudice to the Japanese final positions on the specific items and Japan reserves the right to make further modifications to the items in the broader context of subsequent negotiations.

SUBMISSION UNDER PARAGRAPH 31(III) OF THE DOHA MINISTERIAL DECLARATION: [JAPAN]

I. ENVIRONMENTAL GOODS OF INTEREST OR IDENTIFIED IN ANY REQUESTS/OFFERS

(1) ENVIRONMENTAL FRIENDLY VEHICLES

	HS(2002)	DESCRIPTION	EX-OUT/ADDITIONAL PRODUCTS SPECIFICATION	ENVIRONMENTAL BENEFIT/RATIONAL	CATEGORY ¹
1	870210	Motor vehicles for the transport of ten or more persons, including the driver, with compression-ignition internal combustion piston engine (diesel or semi-diesel)	<ul style="list-style-type: none"> • Clean diesel vehicles with a diesel-engine and a device that eliminate the suspended particulate matter, oxide of nitrogen etc. • Hybrid vehicles with electric motor • Hydrogen-fuelled vehicle 	Low gas consumption, fuel economy, CO2 emission and pollutants such as NOx and SOx emission	APC, RE
2	870290	Motor vehicles for the transport of ten or more persons, including the driver, excluding those with diesel or semi-diesel	<ul style="list-style-type: none"> • Electric vehicles with a secondary battery and a electric motor • Fuel cell vehicles with a fuel cell, electric motor and hydrogen tank • Hybrid vehicles with electric motor • Natural gas vehicles with a natural gas tank • Hydrogen-fuelled vehicle 		APC, RE
3	870321	Motor cars and other motor vehicles principally designed for the transport of persons with spark-ignition internal combustion reciprocating piston engine, of a cylinder capacity not exceeding 1,000 cc	<ul style="list-style-type: none"> • Hybrid vehicles with electric motor • Natural gas vehicles with a natural gas tank • Hydrogen-fuelled vehicle 		APC, RE
4	870322	Motor cars and other motor vehicles principally designed for the transport of persons with spark-ignition internal combustion reciprocating piston engine, of a cylinder capacity exceeding 1,000 cc but not exceeding 1,500 cc	<ul style="list-style-type: none"> • Hybrid vehicles with electric motor • Natural gas vehicles with a natural gas tank • Hydrogen-fuelled vehicle 		APC, RE
5	870323	Motor cars and other motor vehicles principally designed for the transport of persons with spark-ignition internal combustion reciprocating piston engine, of a cylinder capacity exceeding 1,500 cc but not exceeding 3,000 cc	<ul style="list-style-type: none"> • Hybrid vehicles with electric motor • Natural gas vehicles with a natural gas tank • Hydrogen-fuelled vehicle 		APC, RE
6	870324	Motor cars and other motor vehicles principally designed for the transport of persons with spark-ignition internal combustion reciprocating piston engine, of a cylinder capacity exceeding 3,000 cc	<ul style="list-style-type: none"> • Hybrid vehicles with electric motor • Natural gas vehicles with a natural gas tank • Hydrogen-fuelled vehicle 		APC, RE

¹ The following categories and respective abbreviations could be indicated:

(1) Air Pollution Control; APC

(2) Renewable Energy; RE

(3) Environmental Technologies for Conservation, Monitoring, Analysis and Assessment; ET

	HS(2002)	DESCRIPTION	EX-OUT/ADDITIONAL PRODUCTS SPECIFICATION	ENVIRONMENTAL BENEFIT/RATIONAL	CATEGORY ¹
7	870331	Motor cars and other motor vehicles principally designed for the transport of persons with compression-ignition internal combustion piston engine(diesel or semi-diesel), of a cylinder capacity not exceeding 1,500 cc	<ul style="list-style-type: none"> • Clean diesel vehicles with a diesel-engine and a device that eliminate the suspended particulate matter, oxide of nitrogen etc. • Hybrid vehicles with electric motor • Natural gas vehicles with a natural gas tank • Hydrogen-fuelled vehicle 		APC, RE
8	870332	Motor cars and other motor vehicles principally designed for the transport of persons with compression-ignition internal combustion piston engine(diesel or semi-diesel), of a cylinder capacity exceeding 1,500 cc but not exceeding 2,500 cc	<ul style="list-style-type: none"> • Clean diesel vehicles with a diesel-engine and a device that eliminate the suspended particulate matter, oxide of nitrogen etc. • Hybrid vehicles with electric motor • Natural gas vehicles with a natural gas tank • Hydrogen-fuelled vehicle 		APC, RE
9	870333	Motor cars and other motor vehicles principally designed for the transport of persons with compression-ignition internal combustion piston engine(diesel or semi-diesel), of a cylinder capacity exceeding 2,500 cc	<ul style="list-style-type: none"> • Clean diesel vehicles with a diesel-engine and a device that eliminate the suspended particulate matter, oxide of nitrogen etc. • Hybrid vehicles with electric motor • Natural gas vehicles with a natural gas tank • Hydrogen-fuelled vehicle 		APC, RE
10	870390	Motor cars and other motor vehicles principally designed for the transport of persons, including incomplete motor vehicles without engine, other than those with spark-ignition internal combustion reciprocating piston engine and with compression-ignition internal combustion piston engine (diesel or semi-diesel)	<ul style="list-style-type: none"> • Electric vehicles with a secondary battery and a electric motor • Fuel cell vehicles with a fuel cell, electric motor and hydrogen tank • Natural gas vehicles with a natural gas tank • Hydrogen-fuelled vehicle 	Low gas consumption, fuel economy, CO2 emission and pollutants such as NOx and SOx emission	APC, RE
11	870410	Dumpers designed for off-highway use	<ul style="list-style-type: none"> • Clean diesel vehicles with a diesel-engine and a device that eliminate the suspended particulate matter, oxide of nitrogen etc. • Hybrid vehicles with electric motor • Electric vehicles with a secondary battery and a electric motor • Fuel cell vehicles with a fuel cell, electric motor and hydrogen tank • Natural gas vehicles with a natural gas tank • Hydrogen-fuelled vehicle 		APC, RE
12	870421	Motor vehicles for the transport of goods with compression-ignition internal combustion piston engine (diesel or semi-diesel), g.v.w. not exceeding 5 tonnes	<ul style="list-style-type: none"> • Clean diesel vehicles with a diesel-engine and a device that eliminate the suspended particulate matter, oxide of nitrogen etc. • Hybrid vehicles with electric motor • Natural gas vehicles with a natural gas tank • Hydrogen-fuelled vehicle 		APC, RE

	HS(2002)	DESCRIPTION	EX-OUT/ADDITIONAL PRODUCTS SPECIFICATION	ENVIRONMENTAL BENEFIT/RATIONAL	CATEGORY ¹
13	870422	Motor vehicles for the transport of goods with compression-ignition internal combustion piston engine (diesel or semi-diesel), g.v.w. not exceeding 5 tonnes but not exceeding 20 tonnes	<ul style="list-style-type: none"> • Clean diesel vehicles with a diesel-engine and a device that eliminate the suspended particulate matter, oxide of nitrogen etc. • Hybrid vehicles with electric motor • Natural gas vehicles with a natural gas tank • Hydrogen-fuelled vehicle 		APC, RE
14	870423	Motor vehicles for the transport of goods with compression-ignition internal combustion piston engine (diesel or semi-diesel), g.v.w. exceeding 20 tonnes	<ul style="list-style-type: none"> • Clean diesel vehicles with a diesel-engine and a device that eliminate the suspended particulate matter, oxide of nitrogen etc. • Hybrid vehicles with electric motor • Natural gas vehicles with a natural gas tank • Hydrogen-fuelled vehicle 		APC, RE
15	870431	Motor vehicles for the transport of goods with spark-ignition internal combustion piston engine g.v.w. not exceeding 5 tonnes	<ul style="list-style-type: none"> • Hybrid vehicles with electric motor • Natural gas vehicles with a natural gas tank • Hydrogen-fuelled vehicle 		APC, RE
16	870432	Motor vehicles for the transport of goods with spark-ignition internal combustion piston engine g.v.w. exceeding 5 tonnes	<ul style="list-style-type: none"> • Hybrid vehicles with electric motor • Natural gas vehicles with a natural gas tank • Hydrogen-fuelled vehicle 		APC, RE
17	870490	Motor vehicles for the transport of goods other than those with compression-ignition internal combustion piston engine (diesel or semi-diesel) and with spark-ignition internal combustion piston engine	<ul style="list-style-type: none"> • Electric vehicles with a secondary battery and a electric motor • Fuel cell vehicles with a fuel cell, electric motor and hydrogen tank • Hydrogen-fuelled vehicle 		APC, RE
18	870510	Crane lorries	<ul style="list-style-type: none"> • Clean diesel vehicles with a diesel-engine and a device that eliminate the suspended particulate matter, oxide of nitrogen etc. • Hybrid vehicles with electric motor • Electric vehicles with a secondary battery and a electric motor • Fuel Cell Vehicles with a fuel cell, electric motor and hydrogen tank • Natural Gas Vehicles with a natural gas tank • Hydrogen-fuelled vehicle 		APC, RE
19	870520	Mobile drilling derricks	<ul style="list-style-type: none"> • Clean diesel vehicles with a diesel-engine and a device that eliminate the suspended particulate matter, oxide of nitrogen etc. • Hybrid vehicles with electric motor • Electric vehicles with a secondary battery and a electric motor • Fuel cell vehicles with a fuel cell, electric motor and hydrogen tank 		APC, RE

	HS(2002)	DESCRIPTION	EX-OUT/ADDITIONAL PRODUCTS SPECIFICATION	ENVIRONMENTAL BENEFIT/RATIONAL	CATEGORY ¹
			<ul style="list-style-type: none"> • Natural gas vehicles with a natural gas tank • Hydrogen-fuelled vehicle 		
20	870530	Fire fighting vehicles	<ul style="list-style-type: none"> • Clean Diesel vehicles with a diesel-engine and a device that eliminate the suspended particulate matter, oxide of nitrogen etc. • Hybrid vehicles with electric motor • Electric vehicles with a secondary battery and a electric motor • Fuel cell vehicles with a fuel cell, electric motor and hydrogen tank • Natural gas vehicles with a natural gas tank 		APC, RE
21	870540	Concrete-mixer lorries	<ul style="list-style-type: none"> • Clean diesel vehicles with a diesel-engine and a device that eliminate the suspended particulate matter, oxide of nitrogen etc. • Hybrid vehicles with electric motor • Electric vehicles with a secondary battery and a electric motor • Fuel cell vehicles with a fuel cell, electric motor and hydrogen tank • Natural gas vehicles with a natural gas tank 	Low gas consumption, fuel economy, CO2 emission and pollutants such as NOx and SOx emission	APC, RE
22	870590	Special purpose motor vehicles other than crane lorries, mobile drilling derricks, fire fighting vehicles and concrete-mixer lorries	<ul style="list-style-type: none"> • Clean diesel vehicles with a diesel-engine and a device that eliminate the suspended particulate matter, oxide of nitrogen etc. • Hybrid vehicles with electric motor • Electric vehicles with a secondary battery and a electric motor • Fuel cell vehicles with a fuel cell, electric motor and hydrogen tank • Natural gas vehicles with a natural gas tank • Hydrogen-fuelled vehicle 		APC, RE

(2) ELECTRIC ACCUMULATORS

	HS(2002)	DESCRIPTION	EX-OUT/ADDITIONAL PRODUCTS SPECIFICATION	ENVIRONMENTAL BENEFIT/RATIONAL	CATEGORY ¹
23	850680	Other primary cells and primary batteries	Fuel cell	- Compared with dry cell batteries, it can be recharged (can be reused) and reduce the waste. - In case of automotive use, superior energy saving can be realized due to its high fuel-efficiency. - No CO2 emission	RE, ET
24	850740	Nickel-iron electric accumulators	All products		RE, ET
25	850780	Other accumulators	All products		RE, ET

(3) LED LIGHTING

	HS(2002)	DESCRIPTION	EX-OUT/ADDITIONAL PRODUCTS SPECIFICATION	ENVIRONMENTAL BENEFIT/RATIONAL	CATEGORY ¹
26	To be determined by each member		LED lamp (LED light bulb etc.) and lighting	Compared with the conventional fluorescent or incandescent lamps, it is long life, low power consumption, energy saving and no toxic substance (mercury free).	ET
27	940510	Chandeliers and other electric ceiling or wall lighting fittings, excluding those of a kind used for lighting public open spaces or thoroughfares	Lighting fittings using LED lamp		ET
28	940520	Electric table, desk, bedside or floor-standing lamps	Lighting fittings using LED lamp		ET
29	940540	Electric lamps and lighting fittings other than those of 9405.10-9405.30	Lightings fittings using LED as light source		ET

(4) INVERTER REFRIGERATOR/FREEZERS

	HS(2002)	DESCRIPTION	EX-OUT/ADDITIONAL PRODUCTS SPECIFICATION	ENVIRONMENTAL BENEFIT/RATIONAL	CATEGORY ¹
30	841810	Combined refrigerator-freezers, fitted with separate external doors	Energy efficient refrigerators which conform to the energy efficiency standard and are so certified by the authority in destination country.	Low CO2 emission, using less electricity	ET
31	841821	Household type refrigerators of compression-type	Energy efficient refrigerators which conform to the energy efficiency standard and are so certified by the authority in destination country.		ET
32	841830	Freezers of the chest type, not exceeding 800 l capacity	Energy efficient refrigerators which conform to the energy efficiency standard and are so certified by the authority in destination country.		ET
33	841840	Freezers of the upright type, not exceeding 900 l capacity	Energy efficient refrigerators which conform to the energy efficiency standard and are so certified by the authority in destination country.		ET

(5) INVERTER AIR CONDITIONERS

	HS(2002)	DESCRIPTION	EX-OUT/ADDITIONAL PRODUCTS SPECIFICATION	ENVIRONMENTAL BENEFIT/RATIONAL	CATEGORY ¹
34	841510	Air conditioning machines, comprising a motor-driven fan and elements for changing the temperature and humidity, of window or wall types, self-contained or ""split-system""	Energy efficient air conditioning machines which conform to the energy efficiency standard and are so certified by the authority in destination country.	Low CO2 emission, using less electricity	ET
35	841581	Air conditioning machines, comprising a motor-driven fan and elements for changing the temperature and humidity, incorporating a refrigerating unit and a valve for reversal of the cooling/heat cycle (reversible heat pumps), n.e.s.	Energy efficient air conditioning machines which conform to the energy efficiency standard and are so certified by the authority in destination country.		ET

(6) OFFICE EQUIPMENTS WITH LOWER POWER CONSUMPTION OR HEAT SOURCE

	HS(2002)	DESCRIPTION	EX-OUT/ADDITIONAL PRODUCTS SPECIFICATION	ENVIRONMENTAL BENEFIT/RATIONAL	CATEGORY ¹
36	847170	Storage units, n.e.s.	Energy efficient memory drives which conform to the energy efficiency standard and are so certified by the authority in destination country.	Low CO2 emission, using less electricity	ET

(7) ENERGY SAVING PCs

	HS(2002)	DESCRIPTION	EX-OUT/ADDITIONAL PRODUCTS SPECIFICATION	ENVIRONMENTAL BENEFIT/RATIONAL	CATEGORY ¹
37	847130	Portable digital automatic data processing machines, weighing not more than 10 kg, consisting of at least a central processing unit, a keyboard and a display	Energy efficient PCs which conform to the energy efficiency standard and are so certified by the authority in destination country.	Low CO2 emission, using less electricity	ET

(8) LIQUID-CRYSTAL DISPLAY

	HS(2002)	DESCRIPTION	EX-OUT/ADDITIONAL PRODUCTS SPECIFICATION	ENVIRONMENTAL BENEFIT/RATIONAL	CATEGORY ¹
38	To be determined by each member		Energy efficient liquid crystal displays which conform to the energy efficiency standard and are so certified by the authority in destination country.	Low CO2 emission, using less electricity	ET

(9) PRINTER, FAX WITH HIGH-EFFICIENCY POWER SUPPLY ETC.

	HS(2002)	DESCRIPTION	EX-OUT/ADDITIONAL PRODUCTS SPECIFICATION	ENVIRONMENTAL BENEFIT/RATIONAL	CATEGORY ¹
39	847160	Input or output units, whether or not containing storage units in the same housing	Energy efficient printers, copiers, scanners and all-in-one which conform to the energy efficiency standard and are so certified by the authority in destination country.	Low CO2 emission, using less electricity	ET
40	851711	Line telephone sets with cordless handsets	Energy efficient cordless phone which conform to the energy efficiency standard and are so certified by the authority in destination country.		ET
41	851721	Facsimile machines	Energy efficient fax machines which conform to the energy efficiency standard and are so certified by the authority in destination country.		ET
42	851730	Telephonic or telegraphic switching apparatus	Energy efficient private branch exchange which conform to the energy efficiency standard and are so certified by the authority in destination country.		ET
43	851750	other apparatus , for carrier-current line systems or for digital line systems	Energy efficient fixed line telephones which conform to the energy efficiency standard and are so certified by the authority in destination country.		ET
44	852210	Pick-up cartridges	Energy efficient pick-up cartridges for DVD Recorders which conform to the energy efficiency standard and are so certified by the authority in destination country.		ET

(10) AUDIO-VISUAL APPLIANCES WITH HIGH-EFFICIENCY POWER SUPPLY/AMPLIFIER CIRCUIT

	HS(2002)	DESCRIPTION	EX-OUT/ADDITIONAL PRODUCTS SPECIFICATION	ENVIRONMENTAL BENEFIT/RATIONAL	CATEGORY ¹
45	851840	Audio-frequency electric amplifiers	Energy efficient home audios which conform to the energy efficiency standard and are so certified by the authority in destination country.	Low CO2 emission, using less electricity	ET
46	852090	Magnetic tape recorders and other sound recording apparatus whether or not incorporating a sound reproducing device (other than 852110-852039)	Energy efficient music players with IC which conform to the energy efficiency standard and are so certified by the authority in destination country.		ET
47	852190	Video recording or reproducing apparatus, whether or not incorporating a video tuner other than magnetic tape-type	Energy efficient DVD recorders which conform to the energy efficiency standard and are so certified by the authority in destination country.		ET
48	852390	Prepared unrecorded media for sound recording or similar recording of other phenomena, other than products of Chapter37 and 852311-852330	Energy efficient stage media with IC which conform to the energy efficiency standard and are so certified by the authority in destination country.		ET
49	852540	Still image video cameras and other video camera records; digital cameras	Energy efficient video cameras and digital cameras which conform to the energy efficiency standard and are so certified by the authority in destination country.		ET
50	852691	Radio navigational aid apparatus	Energy efficient radio navigations which conform to the energy efficiency standard and are so certified by the authority in destination country.		ET
51	852812	Reception apparatus for television, whether or not incorporating radio broadcast receivers or sound or video recording or reproducing apparatus	Energy efficient reception apparatus which conform to the energy efficiency standard and are so certified by the authority in destination country.		ET
52	852821	Color video monitors	Energy efficient color video monitors which conform to the energy efficiency standard and are so certified by the authority in destination country.		ET
53	852830	Video projectors	Energy efficient video projectors which conform to the energy efficiency standard and are so certified by the authority in destination country.		ET

II. OTHER ELEMENTS

POTENTIAL TARIFF TREATMENT INCLUDING ANY PROPOSAL ON SPECIAL AND DIFFERENTIAL TREATMENT	Special and differential treatment for developing members in tariff elimination and implementation period of energy efficient goods listed above can be considered as the result of further consultation with developing Members.
NON-TARIFF BARRIERS ENCOUNTERED WITH RESPECT TO PARTICULAR ENVIRONMENTAL GOODS	To be considered.
ADDITIONAL/OTHER REMARKS	Energy efficient standards and implementation of certification process mentioned in "ex-out" columns are to be referred in the annex, "Framework of Energy Efficient Standards and Certification Process."

ANNEX: FRAMEWORK OF ENERGY EFFICIENT STANDARDS AND CERTIFICATION PROCESS

1. As proposed in previous communication from Japan dated 27 November 2009 (TN/TE/W/75), energy efficient goods listed above would be eligible for tariff elimination at the border when certified to conform to energy efficient standards by destination countries' authorities. It is an essential part for realization of trade liberalization of energy efficient goods to start discussion among WTO member countries to establish agreed energy efficiency standards (referred as "Common Standards" hereinafter) for each product and implementation scheme to conformity assessment. As a basis for initiating the discussion, Japan hereby proposes a framework by providing model cases of energy efficient standards for particular home and office use appliances referred in the list above and certification process to assess conformity to the standard by the Members' authorities.

I. MODEL CASES FOR ENERGY EFFICIENCY STANDARDS

The Model Cases below present examples of energy efficiency standards for each product sorted by the Harmonized System 2002 nomenclature in this proposal in reference to the standards set out in the established plurilateral energy efficiency certification system, "International Energy Star Program",* and energy efficiency standards adopted in developed Members.

The model definitions and other criteria described below do not prejudice the position of Japan in future discussions on multilaterally proposed energy efficiency standards in the WTO/CTESS, nor its position in future amendments for the standard in its territory.

(4) INVERTER REFRIGERATOR/FREEZERS

HS(2002)	DESCRIPTION	ENERGY EFFICIENCY STANDARDS	REMARKS
841810	Combined refrigerator-freezers, fitted with separate external doors	• Annual Energy Consumption (kWh) \leq 7.056 * (Adjusted volume of refrigerator and freezer (kl)) + 198.72	Adjusted Volume (AV) is defined as follows; Refrigerators AV = (Capacity of Fresh room) + 1.63 * (Capacity of Freezer room) Freezers AV = 1.73 * (Capacity of Freezer room)
841821	Household type refrigerators of compression-type	• Annual Energy Consumption (kWh) \leq 8.892 * (Adjusted volume of refrigerator and freezer (kl)) + 129.33	
841830	Freezers of the chest type, not exceeding 800 l capacity	• Annual Energy Consumption (kWh) \leq 8.56 * (Adjusted volume of refrigerator and freezer (kl)) + 239.2	
841840	Freezers of the upright type, not exceeding 900 l capacity	• Annual Energy Consumption (kWh) \leq 11.187 * (Adjusted volume of refrigerator and freezer (kl)) + 293.49	

* "International Energy Star Program" is a voluntary labelling program that was designed to identify and promote energy-efficient products contributing to the reduction of greenhouse gas emissions in the United States. Nowadays, "Energy Star" provides labels to more than 60 products including home appliances, office equipment and other electrical products. The program has been adopted as an energy performance standard in the six Members other than the US including the EU, Canada, Australia, New Zealand, Chinese Taipei and Japan.

(7) ENERGY SAVING PCs

HS(2002)	DESCRIPTION	ENERGY EFFICIENCY STANDARDS	REMARKS
847130	Portable digital automatic data processing machines, weighing not more than 10 kg, consisting of at least a central processing unit, a keyboard and a display	Energy efficient Portable PCs which meet the following criteria; [Energy requirements on each status] Standby: $\leq 1.0W$ Sleep Mode $\leq 1.7W$ Idle State: Category A $\leq 14.0W$ Category B $\leq 22.0W$	Notebook Categories for Idle Criteria: For the purposes of determining idle state levels, notebooks and tablets must qualify under Categories A or B as defined below Category A: All notebook computers that do not meet the definition of Category B below will be considered under Category A for ENERGY STAR qualification. Category B: To qualify under Category B notebooks must have: A GPU with a minimum of 128 megabytes of dedicated, non-shared memory

(8) LIQUID-CRYSTAL DISPLAY

HS(2002)	DESCRIPTION	ENERGY EFFICIENCY STANDARDS	REMARKS
	To be determined	The display do not exceed the maximum On Mode power consumption as calculated from equation below 1. Diagonal Screen Size <30 inches and Screen Resolution $\leq 1.1MP$ Maximum On Mode Power Consumption = $6(MP)+0.05(A)+3$ 2. Diagonal Screen Size <30inches and Screen Resolution >1.1MP Maximum On Mode Power Consumption = $9(MP)+0.05(A)+3$ 3. Diagonal Screen Size 30-60inches and All Screen Resolution Maximum On Mode Power Consumption = $0.27(A)+8$	MP=Display Resolution(megapixels) A=Viewable Screen Area(Square inches)

(10) AUDIO-VISUAL APPLIANCES WITH HIGH-EFFICIENCY POWER SUPPLY/AMPLIFIER CIRCUIT

HS(2002)	DESCRIPTION	ENERGY EFFICIENCY STANDARDS	REMARKS
852812	Reception apparatus for television, whether or not incorporating radio broadcast receivers or sound or video recording or reproducing apparatus	TVs do not exceed the maximum On Mode power consumption as calculated from equation below 1. Non-High Definition TVs (i.e ≤ 480 Native Vertical Resolution) -All Screen Areas Maximum On Mode Power Consumption = $0.120A + 25$ 2. High Definition and Full High Definition TVs (i.e > 480 Native Vertical Resolution) - $A < 680 \text{ inch}^2$ Maximum On Mode Power Consumption = $0.200A + 32$ - $680 \text{ inch}^2 \leq A < 1045 \text{ inch}^2$ Maximum On Mode Power Consumption = $0.240A + 27$ - $A > 1045 \text{ inch}^2$ Maximum On Mode Power Consumption = $0.156A + 151$	A=Viewable Screen Area(Square inches)
852821	Color video monitors	Displays do not exceed the maximum On Mode power consumption as calculated from equation below 1. Diagonal Screen Size < 30 inches and Screen Resolution $\leq 1.1 \text{ MP}$ Maximum On Mode Power Consumption = $6(\text{MP}) + 0.05(A) + 3$ 2. Diagonal Screen Size < 30 inches and Screen Resolution $> 1.1 \text{ MP}$ Maximum On Mode Power Consumption = $9(\text{MP}) + 0.05(A) + 3$ 3. Diagonal Screen Size 30-60 inches and All Screen Resolution Maximum On Mode Power Consumption = $0.27(A) + 8$	MP=Display Resolution(megapixels) A=Viewable Screen Area(Square inches)

II. CERTIFICATION OF CONFORMITY TO ENERGY EFFICIENCY STANDARDS

The Model Cases above present examples of energy efficiency standards for some products listed in this proposal in reference to the standards set out in the established plurilateral energy efficiency certification system, "International Energy Star Program," and energy efficiency standards adopted in developed Members.

The model formula, threshold and other criteria described above do not prejudice the position of Japan in future multilateral discussions on energy efficiency standards in the WTO, nor Japan's position in future amendments for the standard in its territory.

1. Conformity Assessment to the Standards

There are several options to certify the conformity of products to the Common Standards which would be the basis to bestow the eligibility of tariff elimination. One of the appropriate ways is a governmental authentication where government authorities such as ministries responsible for industry, environment or trade conduct tests at its competent institution to assess the conformity of products brought by producers. Other options such as third party certification by test facility of public or private sector and self declaration of conformity by manufacturers are less easy to implement yet even more convenient and feasible way in light of trade facilitation of environmental goods. Here we suggest some options, expecting further discussion among Members at the WTO or adequate forum.

- **Governmental Certification:** Member countries' authorities conducts technical assessments of products and issue certifications of conformity if those products are successfully approved.
- **Third Party Assessment:** Assigned public or private institutions conduct technical assessments and Member countries' authorities issue certifications of conformity based on the report of test results.
- **Self Declaration of Conformity:** Producers in Member countries conduct technical assessments of products, regardless of the registration of those capacities to the Members countries' authorities, and the authorities issue certification of conformity based on the technical assessments.

2. Mutual Recognition of Conformity

From the aspect of trade facilitation, mutual recognition among Members on authentication of conformity assessment results of traded goods to the Common Standards is an essential element for trade liberalization of environmental goods, in order to avoid duplicate testing burden in the country of origin and destination countries. Further discussion to create mutual recognition scheme among Members are recommended, considering adequate special and differential treatment for developing countries which would be on the way to establish domestic certification system and testing facilities.

3. Customs Clearance

To confirm whether those goods meet the tax requisition, it is necessary that certifications issued for each shipment based on certifications of conformity with agreed common standards, so-called "a certificate of product", should be submitted to customs at the time of import declaration.
