

Summarized Results of PDM Indicators for October, 2002

Narrative Summary	Verifiable Indicators	Results						Remarks																														
<p><b>Output 3</b> 3 Seminars and training courses related to electrical and electronic appliances testing will be implemented systematically.</p>	<p>3-1 Number of textbooks and teaching materials prepared</p>	3-1	<table border="1"> <thead> <tr> <th></th> <th>1999</th> <th>2000</th> <th>2001</th> <th>2002 (as of September)</th> <th>Total (as of September)</th> </tr> </thead> <tbody> <tr> <td>Training Materials</td> <td>0</td> <td>2</td> <td>3</td> <td>1</td> <td>6</td> </tr> <tr> <td>Seminars Materials</td> <td>2</td> <td>2</td> <td>2</td> <td>1</td> <td>7</td> </tr> <tr> <td>Middle Level Trainees Training Course</td> <td>2</td> <td>1</td> <td>1</td> <td></td> <td>5</td> </tr> <tr> <td><i>Total</i></td> <td>4</td> <td>5</td> <td>6</td> <td>2</td> <td>18</td> </tr> </tbody> </table>						1999	2000	2001	2002 (as of September)	Total (as of September)	Training Materials	0	2	3	1	6	Seminars Materials	2	2	2	1	7	Middle Level Trainees Training Course	2	1	1		5	<i>Total</i>	4	5	6	2	18	ANNEX 27
				1999	2000	2001	2002 (as of September)	Total (as of September)																														
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	<p>3-2 Number of seminars and training courses implemented in and outside the Project site</p>	3-2	<table border="1"> <thead> <tr> <th></th> <th>1999</th> <th>2000</th> <th>2001</th> <th>2002 (as of July)</th> <th>Total (as of September)</th> </tr> </thead> <tbody> <tr> <td>Training Course</td> <td>0</td> <td>2</td> <td>3</td> <td>2</td> <td>7</td> </tr> <tr> <td>Seminars</td> <td>2</td> <td>2</td> <td>2</td> <td>1</td> <td>7</td> </tr> <tr> <td>Middle Level Trainees Training Course</td> <td>-</td> <td>1</td> <td>1</td> <td></td> <td>2</td> </tr> <tr> <td><i>Total</i></td> <td>2</td> <td>5</td> <td>6</td> <td>3</td> <td>16</td> </tr> </tbody> </table>						1999	2000	2001	2002 (as of July)	Total (as of September)	Training Course	0	2	3	2	7	Seminars	2	2	2	1	7	Middle Level Trainees Training Course	-	1	1		2	<i>Total</i>	2	5	6	3	16	<p>ANNEX 28-1 ANNEX 28-2 ANNEX 28-3</p>
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Training Course	<p>The above evaluation results show that all participants have set a high evaluation of the implemented training courses. TIME OBJECTIVES ACHIEVED/EXPECTATIONS MET (Item no2) and OVERALL VALUE OF TRAINING (Item no6) have been especially favorable. INSTRUCTIONAL MATERIALS AND VISUAL AIDS (ITEM NO7) and GENERAL IMPRESSION OF TRAINING (Item No8) reflected how the trainors improved with every training. WOULD YOU LIKE TO ATTEND OTHER EEATP TRAINING AGAIN (Item no12) shows all participants were satisfied and hope to attend other expected training courses.</p>					<p>ANNEX 29-1  ANNEX 29-2  ANNEX 29-3</p>																																
Seminars	<p>The above evaluation results show that all participants thought that the seminar could be very useful in their everyday life. ALLOTTED TO THE TRAINING (Item no5) and OVERALL VALUE OF TRAINING (Item no6) have been especially favorable. All participants were satisfied and are looking forward to future seminars.</p>																																					
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## LIST OF EEATP TRAINING &amp; SEMINAR MATERIALS

	Japanese Fiscal Year							
	1999		2000		2001		2002	
	<i>Title</i>	<i>Date</i>	<i>Title</i>	<i>Date</i>	<i>Title</i>	<i>Date</i>	<i>Title</i>	<i>Date</i>
TRAINING MATERIALS			Training Course on Heating Appliance Testing (Rice Cooker and Flat Iron)	27-29 November 2000	Training Course on Electric Fan Safety Testing	27-28 August 2001	Training Course on Refrigerator Safety Testing	01 & 02 July 2002 (2 <sup>nd</sup> Batch)
			Middle Level training Course on Electrical Appliances Testing	19-23 March 2001	Training Course on Electric Fan Safety Testing	18-19 June 2001		26 & 27 June 2002 (1 <sup>st</sup> Batch)
			Training Course on Heating Appliance Testing (Coffee Maker and Oven Toaster)	17-19 January 2001	Training Course on Electric Fan Safety Testing	09-10 May 2001		
					Middle Level training Course on Electrical Appliances Testing	18-22 March 2002		
SEMINAR MATERIALS	Electrical Product Safety : The Japan Experience	12 October 1999	IEC 335 Specification for Safety of Household and Similar Appliances General Requirements	24 November 2000	Seminar on Electrical Appliance Safety ( Cebu City )	30 May 2001	Seminar on Electrical Appliance Safety Testing (Tacloban City)	21 June 2002
	Background to the Safety Testing of Electrical Household Appliances and Outline of IEC 335-1	31 August 1999	Awareness Seminar on Electrical Appliance Safety	08 November 2000	Seminar on Electrical Appliance Safety ( Baguio City )	13 November 2001		
					2002 Educational Seminar for Filipino Students on Japan s Official Development Assistance (ODA) activities in the Philippines	16 January 2002		

Performance and Plan of Project Training Course

Performance of Project Training Course

	Duration	Objectives	Facilitators	Number of Participants / Companies
1	27 - 29 November 2000	<ul style="list-style-type: none"> <li>➤ Acquire Functional Understanding of the contents of PNS/IEC 335 standard;</li> <li>➤ Experience hands-on testing of heating appliances ( ELECTRIC IRON and/or RICE COOKER).</li> </ul>	Mr. Ramil R. Jurado (Speaker) Mr. Ariel R. Garcia Mr. Johann R. Borabon Mr. Eusebio Manuel B. Urbano	7 participants ASAHI Electrical Mfg. Corp. and 4 other similar companies
2	17 - 19 January 2001	<ul style="list-style-type: none"> <li>➤ Acquire Functional Understanding of the contents of PNS/IEC 335 standard;</li> <li>➤ Experience hands-on testing of heating appliances (COFFEE MAKER and/or TOASTER).</li> </ul>	Mr. Ramil R. Jurado(Speaker) Mr. Ariel R. Garcia Mr. Johann R. Borabon Mr. Dax Julius A. Velmonte Mr. Jay V. Illescas Mr. Eusebio Manuel B. Urbano	9 participants MITUKOSHI ind. Phili. Corp. and 6 other similar companies
3	9 - 10 May 2001	<ul style="list-style-type: none"> <li>➤ Identify the relevant safety requirements of PNS IEC 335-1 of PNS IEC 335-2-80 standard;</li> <li>➤ Describe the relevant test procedures in accordance with IEC 335-1 and IEC 335-2-80.</li> <li>➤ Conduct product safety testing for ELECTRIC FANS.</li> </ul>	Mr. Ramil R. Jurado Mr. Dax Julius A. Velmonte (Speaker) Mr. Jay V. Illescas Mr. Fernando P. Garrido III	16 participants STANDARD ELECTRIC Mfg. Corp. and 15 other similar companies
4	18 - 19 June 2001	<ul style="list-style-type: none"> <li>➤ Identify the relevant safety requirements of PNS IEC 335-1 of PNS IEC 335-2-80 standard;</li> <li>➤ Describe the relevant test procedures in accordance with IEC 335-1 and IEC 335-2-80.</li> <li>➤ Conduct product safety testing for ELECTRIC FANS.</li> </ul>	Mr. Ramil R. Jurado Mr. Dax Julius A. Velmonte Mr. Jay V. Illescas (Speaker) Mr. Eusebio Manuel B. Urbano	13 participants CAMEL APPLIANCES Mfg. Corp. and 12 other similar companies
5	27 - 28 August 2001	<ul style="list-style-type: none"> <li>➤ Identify the relevant safety requirements of PNS IEC 335-1 of PNS IEC 335-2-80 standard;</li> <li>➤ Describe the relevant test procedures in accordance with IEC 335-1 and IEC 335-2-80.</li> <li>➤ Conduct product safety testing for ELECTRIC FANS.</li> </ul>	Mr. Ariel R. Garcia	4 participants 3D Industries
6	26 - 27 June 2002	<ul style="list-style-type: none"> <li>➤ Identify the relevant safety requirements of PNS IEC 335-1 of PNS IEC 335-2-24 standard;</li> <li>➤ Describe the relevant test procedures in accordance with IEC 335-1 and IEC 335-2-24.</li> <li>➤ Conduct product safety testing for REFRIGERATOR.</li> </ul>	Mr. Ramil R. Jurado (Speaker) Mr. Dax Julius A. Velmonte Mr. Jay V. Illescas Mr. Ariel R. Garcia Mr. Eusebio Manuel B. Urbano	7 participants Whirlpool and 4 other similar companies
7	1 - 2 July 2002	<ul style="list-style-type: none"> <li>➤ Identify the relevant safety requirements of PNS IEC 335-1 of PNS IEC 335-2-24 standard;</li> <li>➤ Describe the relevant test procedures in accordance with IEC 335-1 and IEC 335-2-24.</li> <li>➤ Conduct product safety testing for REFRIGERATOR.</li> </ul>	Mr. Ramil R. Jurado (Speaker) Mr. Dax Julius A. Velmonte Mr. Jay V. Illescas Mr. Ariel R. Garcia Mr. Eusebio Manuel B. Urbano	8 participants Sharp Phils. Corp. and 4 other similar companies

Plan of Project Training Course

	Target Duration	Tentative Objectives	Facilitators
8	January, 2003	<ul style="list-style-type: none"> <li>➤ Acquire Functional Understanding of the contents of PNS/IEC 65 standard;</li> <li>➤ Experience hands-on testing of Electronic appliances.</li> </ul>	Direct C/P


## Performance and Plan of Project Seminar

Performance of Project Seminar

	<i>Date</i>	<i>Venue</i>	<i>Speaker</i>	<i>Title</i>	<i>Number of Participants</i>
1	31 August 1999	BPSTC Conference Room	Mr. Shigeru Morii (Long Term Expert)	Background of Safety Testing of Electrical Household Appliances and Outline of IEC	23
2	12 October 1999	MIRDC Conference Room	Mr. Kenzaburo Tanemura (Short Term Expert)	Electrical Product Safety'' The Japan Experience	73
3	8 November 2000	MIRDC Conference Room	Mr. Gerardo P. Panopio (Project Manager)	Awareness Seminar on Electrical Appliances	56
4	24 November 2000	Philippine International Convention Center	Mr. Gerardo P. Panopio (Project Manager)	IEC335 Specification for Safety of Household and Similar Appliances General Requirements	300
5	30 May 2001	Cebu Midtown Hotel	Mr. Gerardo P. Panopio (Project Manager) Mr. Dax J. Velmonte (Direct C/P)	Electrical Appliances Safety	88
6	13 November 2001	Baguio St.Louis University	Mr. Gerardo P. Panopio (Project Manager)	Electrical Appliances Safety	240
7	21 June 2002	Leyte Tacloban City Ritz Tower de Leyte	Mr. Gerardo P. Panopio (Project Manager) Mr. Ariel R. Garcia (Direct C/P)	Electrical Appliances Safety	50

Plan of Project Seminar

	<i>Date</i>	<i>Venue</i>	<i>Speaker</i>	<i>Title</i>
8	9,12 October 2002	Manila Consumer Trade Fair in SM Megamall	Direct C/P	Electrical Appliances Safety
9	November, 2002	Manila	Japanese short Term Expert	Electrical Appliances Safety (Tentative)

  
**Budget and expenditure**

(Peso)

Items of Expenditure	Japanese Side				Philippine Side			
	Budget		Payment		Budget		Payment	
	Year 2000	Year 2001	Year 2000	Year 2001	Year 2000	Year 2001	Year 2000	Year 2001
Travel Allowance	221,145.00	156,300.00	179,582.25	144,300.00	-----	26,324.00	-----	17,912.00
Teaching Materials	33,355.00	-----	32,785.60	-----	17,500.00	32,500.00	7,000.00	12,250.00
Training Materials	206,000.00	95,000.00	212,268.00	104,018.40	-----	7,500.00	-----	6,000.00
Travel Allowance for Instructors	-----	-----	-----	-----	-----	-----	-----	-----
Fee for Lecturers	7,500.00	7,500.00	0.00	0.00	-----	-----	-----	-----
Others	50,000.00	-----	39,067.75	-----	15,000.00	15,000.00	7,659.00	20,405.00
Total	<b>518,000.00</b>	<b>258,800.00</b>	<b>463,703.60</b>	<b>248,318.40</b>	<b>32,500.00</b>	<b>81,324.00</b>	<b>14,659.00</b>	<b>56,567.00</b>

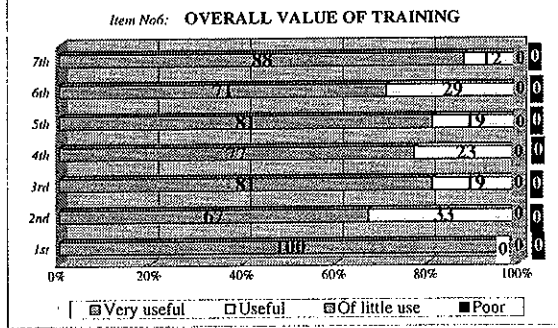
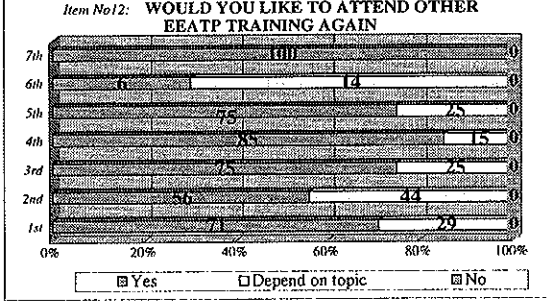
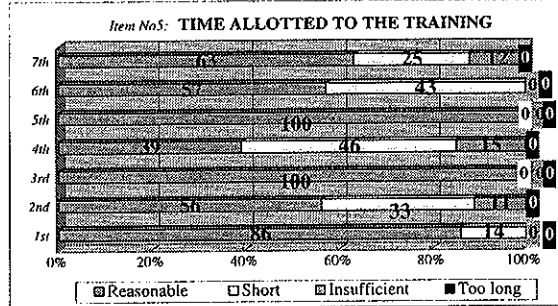
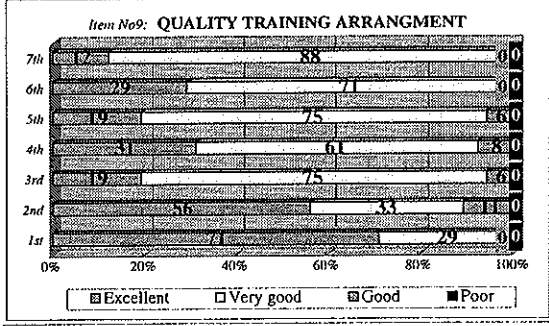
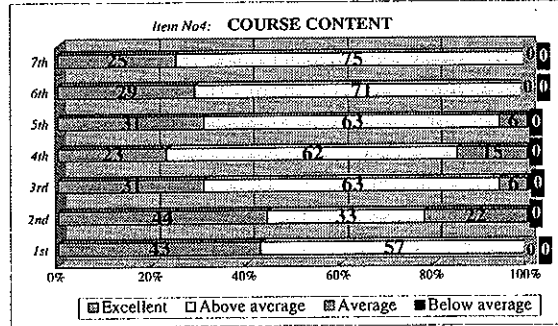
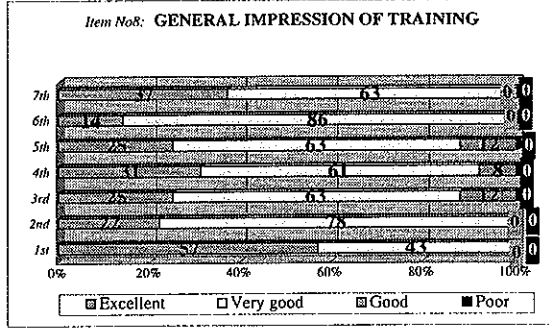
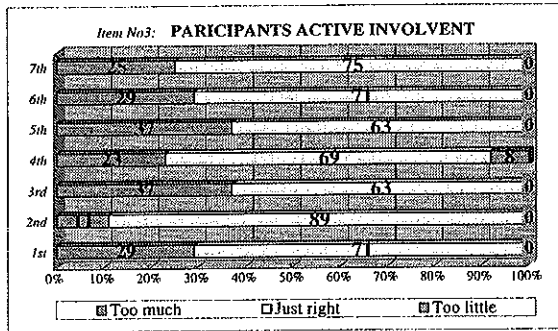
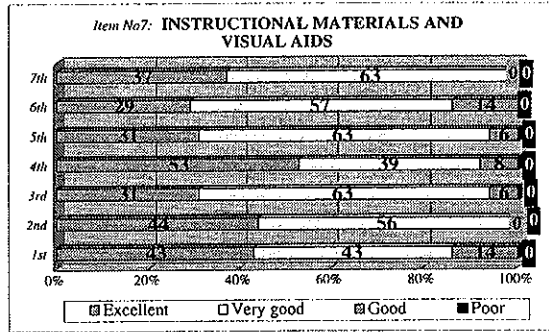
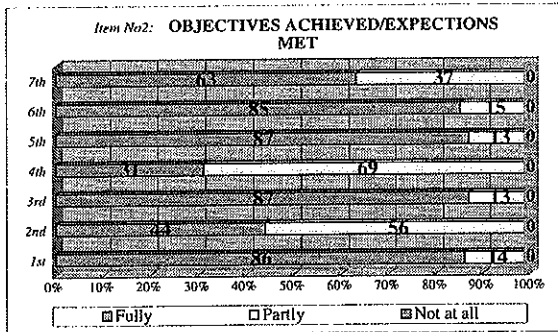
**Plan of Budget**

(Peso)

Items of Expenditure	Year 2002	
	Japanese Side	Philippine Side
Travel Allowance	127,500.00	14,660.00
Teaching Materials	-----	32,500.00
Training Materials	-----	102,500.00
Travel Allowance for Instructors	-----	-----
Fee for Lecturers	-----	7,500.00
Others	-----	15,000.00
Total	<b>127,500.00</b>	<b>172,160.00</b>

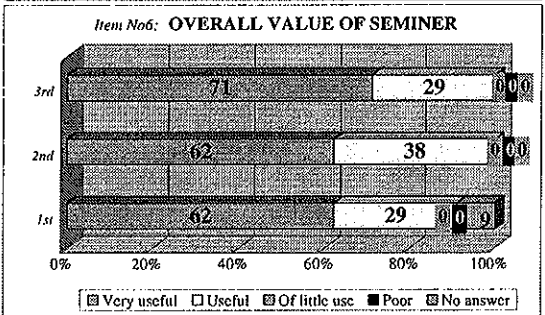
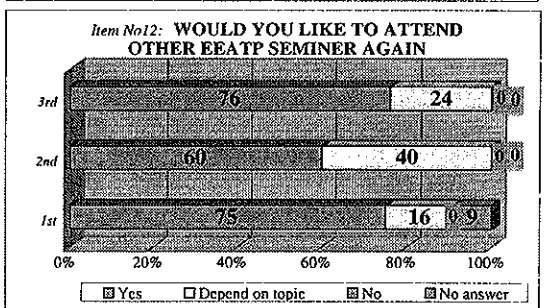
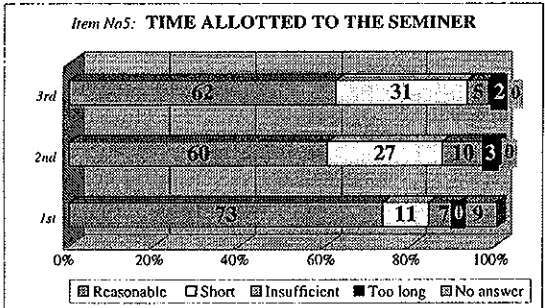
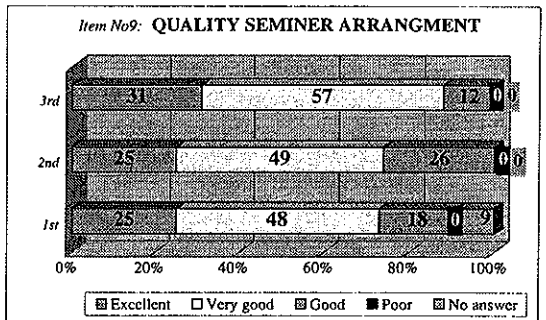
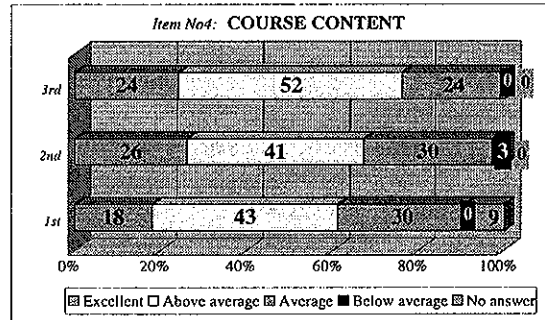
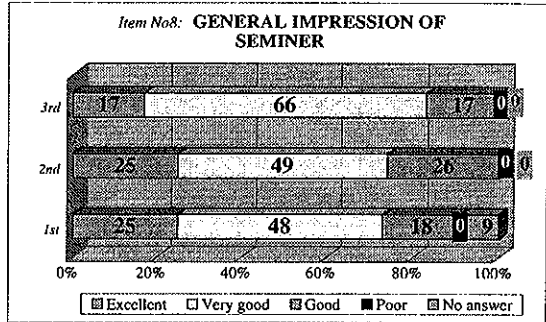
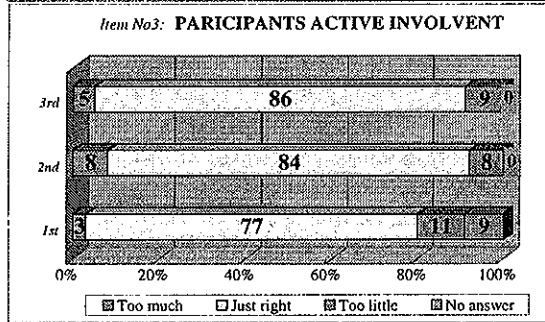
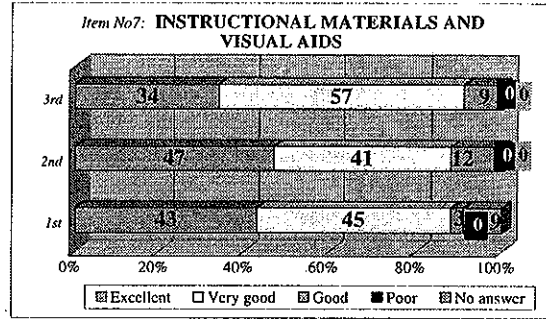
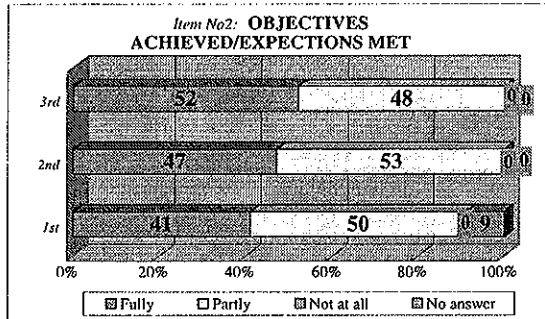


Evaluation result of implementation of Training Course



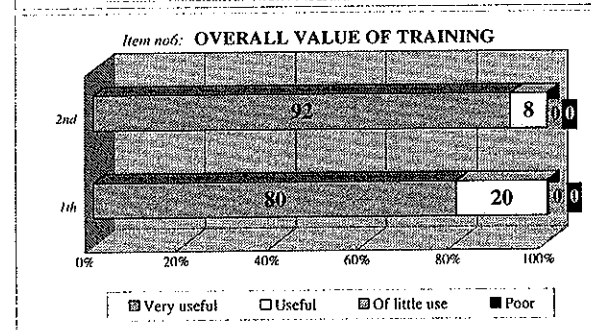
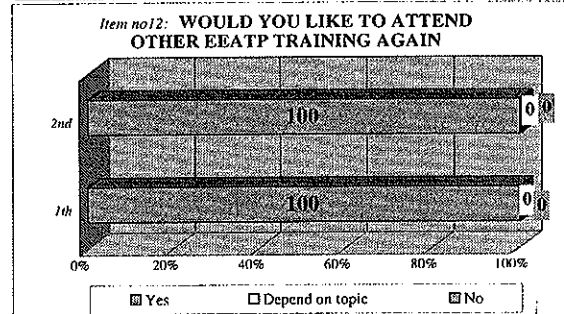
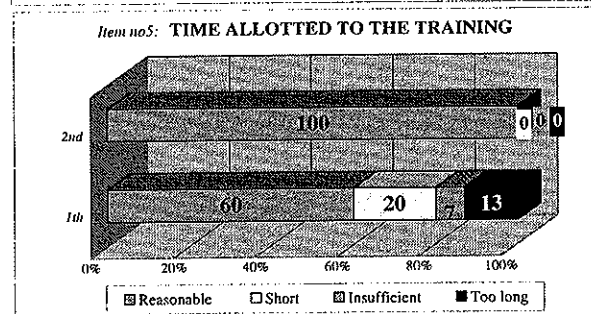
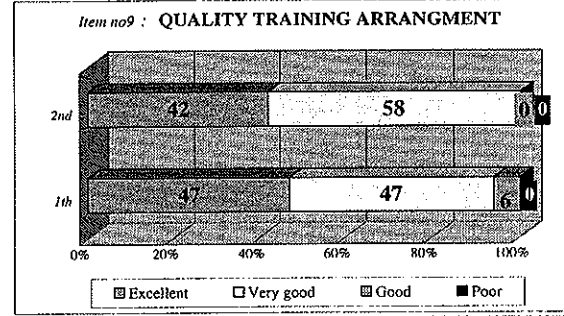
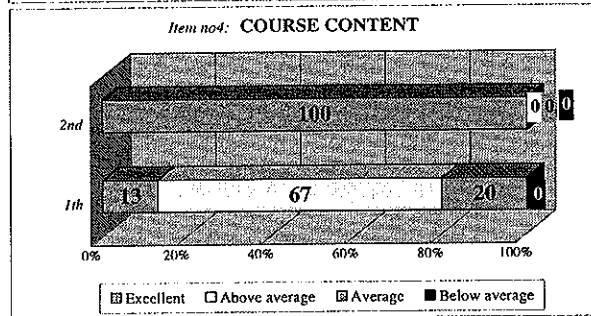
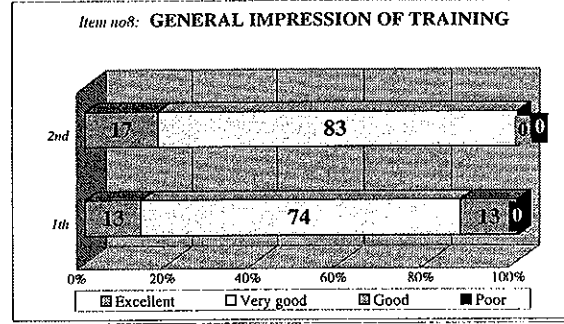
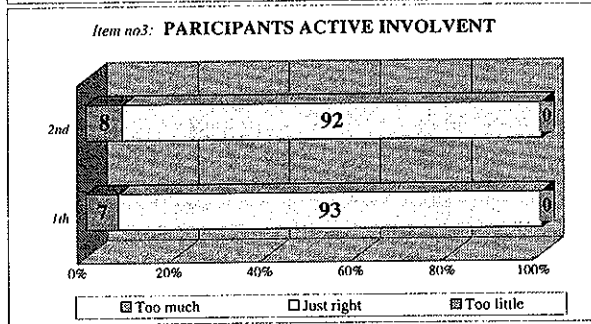
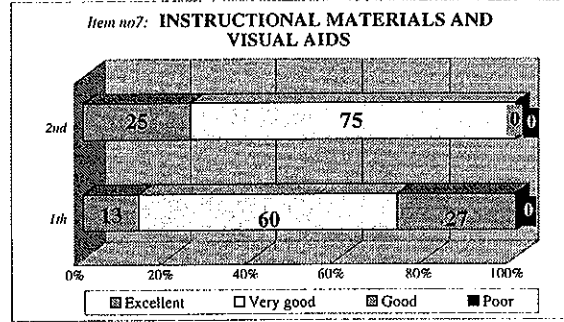
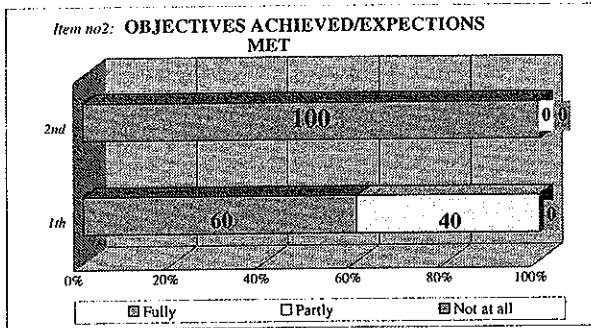
General analysis: The above evaluation results show that all participants have set a high evaluation of the implemented training courses. TIME OBJECTIVES ACHIEVED/EXPECTATIONS MET (Item no2) and OVERALL VALUE OF TRAINING (Item no6) have been especially favorable. INSTRUCTIONAL MATERIALS AND VISUAL AIDS (ITEM NO7) and GENERAL IMPRESSION OF TRAINING (Item No8) reflected how the trainers improved with every training. WOULD YOU LIKE TO ATTEND OTHER BEATP TRAINING AGAIN (Item no12) shows all participants were satisfied and hope to attend other expected training courses.

Evaluation result of implementation of Seminar



General analysis: The above evaluation results show that all participants thought that the seminar could be very useful in their everyday life. ALLOTTED TO THE SEMINER (Item no5) and OVERALL VALUE OF SEMINER (Item no6) have been especially favorable. All participants were satisfied and are looking forward to future seminars.

Evaluate result of implementation of Middle Level Trainees Training Course



General analysis: Above results of evaluation show that the 2nd training course improved and the participants think highly of training courses which would be useful and that responses signify that they were satisfied overall. All participants therefore would like to attend other training courses in the future.



Summarized Results of PDM Indicators for October, 2002

Activities	Inputs					
	<i>The Philippine side</i>		<i>Japanese side</i>			
<b>Input</b>						
0-1 Allocate the necessary personnel.						
0-2 Formulate plans of activities.						
0-3 Make the budget plan and execute properly.						
1-1 Make facility refurbishment plan and implement as planned.						
1-2 Identify specifications of equipment.						
1-3 Implement tenders and select traders.						
1-4 Install and adjust equipment.						
1-5 Operate and maintain facility and equipment.						
2-1 Evaluate technical capability of the C/P.						
2-2 Make Technical Cooperation Program						
2-3 Implement technology transfer to the C/P.						
2-4 Evaluate result of implementation of technology transfer to the C/P.						
3-1 Review present seminar and training courses.						
3-2 Prepare the implementation plan of seminars and training courses in line with the needs related to electrical and electronic appliances testing in the Republic of the Philippines.						
3-3 Prepare textbooks and teaching materials for seminars and training courses.						
3-4 Implement seminars and training courses.						
3-5 Evaluate seminars and training courses.						
	<b>1 Provision of Building and Facilities</b>		<b>1 Dispatch of Japanese Experts (ANNEX 34)</b>			
	* 1999	* 2001	* 2002			
	Expansion of laboratory space (250 sq.m.)		Renovation for additional			
	improvement of existing facilities (bldg. 3)		expert's room			
	- Abnormal test room / Water bath area					
	- Experts room / witness test area					
	- Re-layout of existing facilities					
	* Calendar Year					
	<b>2 Allocation of C/P and Administrative personnel (ANNEX 31)</b>		<b>2 C/P Training in Japan (ANNEX 35)</b>			
	Position	JFY	1999	2000	2001	2002 (as of October)
	Project Director		1	1	1	1
	Assistant Director		1	1	1	1
	Project Manager		1	1	1	1
	Testing Staff		23	22	20	20
	Administrative Staff		6	6	6	5
	Total		32	31	29	28
	<b>3 Provision of Machinery &amp; Equipment and their Maintenance(ANNEX 32)</b>		<b>3 Provision of Machinery &amp; Equipment (ANNEX 36-1,ANNEX 36-2)</b>			
	Category	Calendar Year	1999	2000	2001	2002 (as of October)
	Testing Equipment		709,849	-	36,000	234,020
	Others		849,817	35,000	-	-
	Total (JPY)		1,559,666	35,000	36,000	234,020
	<b>4 Local Cost (ANNEX 33)</b>		<b>4 Supporting Local Cost</b>			
	Budget Item	Calendar Year	1999	2000	2001	2002 (as of October)
	Personal Expenses		2,814,685	3,941,749	3,328,235	2,339,164
	Maintenance and Operating Expenses		3,697,712	4,515,370	4,214,377	3,890,358
	Building		0	-	-	-
	Building Furniture		0	-	-	-
	Equipment		1,559,666	35,000	36,000	-
	Total (JPY)		8,072,063	8,492,119	7,578,612	6,229,522
	Budget Item	JFY	1999	2000	2001	2002 (as of October)
	General Local Cost		957,942	1,271,167	1,302,050	430,946
	Middle Level Trainees Training		-	463,704	248,318	-
	Production of Video		-	460,020	-	-
	Total (JPY)		957,942	2,194,891	1,550,369	430,946

ANNEX 31

**C / P Allocation and Plan for Each Position**

Japanese Fiscal Year	1999		2000		2001		2002	
	Plan	Actual Number	Plan	Actual Number	Plan	Actual Number	Plan	Actual Number
Project Director	1	1	1	1	1	1	1	1
Assistant Project Director	1	1	1	1	1	1	1	1
Project Manager	1	1	1	1	1	1	1	1
Testing Staff <i>See chart 1</i>	19	23	23	22	23	20	23	20
Administrative Staff <i>See chart 2</i>	5	6	6	6	6	6	5	5
<i>Total</i>	27	32	32	31	32	29	31	28

*Chart 1: Testing Staff*

Japanese Fiscal Year	1999		2000		2001		2002	
Heating Appliances	19	23	* 23	* 22				
Direct C/P	6	5	3	5				
Indirect C/P	13	18	20	17				
Motor Operated Appliances			* 23	* 22	16	14	16	14
Direct C/P			3	5	5	6	6	6
Indirect C/P			20	17	** 11	** 8	** 10	** 8
Electronic Appliances					8	7	8	7
Direct C/P					** 3	** 4	** 4	** 4
Indirect C/P					5	3	4	3

\* Testing Staff of Heating Appliances were the same Staff for Motor Operated Appliances.

\*\* One out of 8 Indirect C/P for Motor Operated Appliances is also direct C/P for Electronic Appliances.

*Chart 2: Administrative Staff*

Japanese Fiscal Year	1999		2000		2001		2002	
Budget Coordinator	0	1	1	1	1	1	0	0
Sample Administrative	1	1	1	1	1	1	1	1
Test Report Clerk	1	1	1	1	1	1	1	1
Testing Fee Collector	1	1	1	1	1	1	1	1
Driver	2	2	2	2	2	2	2	2

As of October

## BPSTC SUPPLIED EQUIPMENT

Year	Equipment Name	Unit Price	Quantity	Amount	Total
1999	Exhaust Fans	13,696.00	6	82,176.00	<b>1,559,665.51</b>
	Petroluem Spirit	4,990.00	1	4,990.00	
	Black painted Plywood (Test Corner)	15,000.00	1	15,000.00	
	Stability Test Apparatus	5,000.00	2	10,000.00	
	Weights	5,000.00	1	5,000.00	
	Polyamide Board				
	Switch Boxes	4,500.00	16	72,000.00	
	Test Bench	10,000.00	16	160,000.00	
	Test Table with caster	3,900.00	4	15,600.00	
	Standard Test Pan for hobs	5,000.00	4	20,000.00	
	Load for rotating machinery	5,000.00	1	5,000.00	
	Cotton Load(70cm x 70 cm, 10kg.)	7,500.00	1	7,500.00	
	Standard Detergent				
	30mA Circuit Breaker	2,550.00	1	2,550.00	
	Current Shunt	5,000.00	1	5,000.00	
	Standard Resistor	48,000.00	3	144,000.00	
	Room Airconditioners (Split type): 3HP	215,072.17	3	645,216.51	
	2.5HP	54,653.00	1	54,653.00	
	2.0HP	50,882.00	1	50,882.00	
	1.5HP	40,498.00	1	40,498.00	
Personal Computer with software	68,200.00	3	204,600.00		
Cylindrical Borosilicate Glass Vessel	3,000.00	3	9,000.00		
Steel Wire	1,000.00	1	1,000.00		
Weights	5,000.00	1	5,000.00		
2000	Personal Computer with software	35,000.00	1	35,000.00	<b>35,000.00</b>
2001	Cylindrical Borosilicate Glass Vessel	6,000.00	6	36,000.00	<b>36,000.00</b>
2002	Door System endurance apparatus	154,220.00	1	154,220.00	<b>234,020.00</b>
	CRT Test Apparatus	79,800.00	1	78,800.00	
<b>TOTAL:</b>					<b>1,864,685.51</b>

## Local Cost for Project

Upper section: Plan

Lower section: Result

(Units: in Pesos)

Budget Item \ Calendar Year	1999	2000	2001	2002	2003
Personal Expenses	2,319,010	2,319,010	2,319,010	2,319,010	2,319,010
	<b>2,814,685</b>	<b>3,941,749</b>	<b>3,328,235</b>	<b>2,339,164</b>	
Maintenance and Operating Expenses	7,733,000	8,506,300	9,356,930	10,292,623	11,321,885
	<b>3,697,712</b>	<b>4,515,370</b>	<b>4,214,377</b>	<b>3,890,358</b>	
Building	30,000,000	—	—	—	—
	0	—	—	—	—
Building Furniture	5,000,000	—	—	—	—
	0	—	—	—	—
Equipment	1,000,000	1,500,000	1,000,000	1,000,000	500,000
	<b>1,559,666</b>	<b>35,000</b>	<b>36,000</b>		
<i>Total</i>	46,052,010	12,325,310	12,675,940	13,611,633	14,140,895
	<b>8,072,063</b>	<b>8,492,119</b>	<b>7,542,612</b>	<b>6,229,522</b>	

(As of 1 October, 2002)

Note1: This budget covers the operation of mechanical and chemical testing laboratories as well.

Note2: Building budget could not be related due to Government's lack of funds.

Note3: The figures under plan was projected in the minutes of meeting signed on August 31, 1998.

List of Dispatched Japanese Experts

	No	Name of Expert	Post of Title	Term of Assignment
L O N R T E R M	1999/No1	Mr. Masayoshi JURO	Chief advisor	May 19, 1999 ~ May 18, 2001
	1999/No2	Ms. Yumie KITADA	Project Coordinator	May 19, 1999 ~ May 18, 2002
	1999/No3	Mr. Shigeru MORII	Electrical Appliance Testing (Heating Appliance)	May 19, 1999 ~ May 18, 2001
	2001/No4	Mr. Hiroshi MATUKI	Electrical Appliance Testing (Motor-operated Appliance)	April 1, 2001 ~ March 31, 2002
	2001/No5	Mr. Takashi KATOH	Electronic Appliance Testing	April 1, 2001 ~ March 31, 2002
	2001/No6	Mr. Takeho SAKATA	Chief advisor	May 10, 2001 ~ March 31, 2003
	2002/No7	Mr. Kunio SAKURAI	Electronic Appliance Testing	April 1, 2002 ~ March 31, 2003
S H O T I T E R M	1999/No1	Mr. Wataru TAKASE	Laboratory Management	July 26, 1999 ~ August 20, 1999
	1999/No2	Mr. Norio NAKAMURA	Testing of Insulating Materials	September 9, 1999 ~ October 6, 1999
	1999/No3	Mr. Kenzaburo TANEMURA	Lecturer on Seminar (Product Safety)	October 7, 1999 ~ October 14, 1999
	1999/No4	Mr. Hideo FUKUI	Electrical Appliance Testing (Motor-operated Appliance; Electronic Instantaneous Water Heater/ Electronic Storage Water Heater)	January 15, 2000 ~ February 26, 2000
	2000/No5	Mr. Sumihiko NAGAYAMA	Electrical Appliance Testing (Motor-operated Appliance; Refrigerator)	July 31, 2000 ~ August 26, 2000
	2000/No6	Mr. Wataru TAKASE	Electrical Appliance Testing (Motor-operated Appliance; Refrigerator)	August 23, 2000 ~ October 7, 2000
	2000/No7	Mr. Konosuke KAWAMURA	Insulating Materials Analysis	November 6, 2000 ~ November 18, 2000
	2000/No8	Mr. Hideo FUKUI	Electrical Appliance Testing (Motor-operated Appliance; Electric Fan)	January 15, 2001 ~ March 3, 2001
	2000/No9	Mr. Hiroyuki SAKAUE	Machinery Installation and Operation	February 14, 2001 ~ February 16, 2001
	2001/No10	Mr. Akio NISHIMURA	Electronic Appliance Testing (Amplifier)	November 5, 2001 ~ December 15, 2001
	2001/No11	Mr. Takashi HATSUMI	Electrical Appliance Testing (Motor-operated Appliance; Juice Blender / Vacuum Cleaner)	November 5, 2001 ~ December 15, 2001
	2001/No12	Mr. Masakatsu SHIDA	Electrical Calibration	February 25, 2002 ~ March 23, 2002
	2001/No13	Mr. Tatsuya KAMISANGO	Electrical Appliance Testing (Motor-operated Appliance; Microwave oven with heater)	July 1, 2002 ~ August 24, 2002

## List of Counterpart Personal Training in Japan

<i>No</i>	<i>Name of Counterpart</i>	<i>Function in the Project</i>	<i>Subject of Training</i>	<i>Term of Acceptance</i>
1998/No1	Mr. Ramil R. Jurado	Direct C/P	Electrical Appliance Testing	January 10, 1999 ~ February 20, 1999
1998/No2	Mr. Eusebio Manuel B. Urbano Jr	Direct C/P	Electrical Appliance Testing	January 20, 1999 ~ February 20, 1999
1998/No3	Mr. Wilfredo R. Rivera	Indirect C/P	Electrical Calibration	February 15, 1999 ~ April 9, 1999
1998/No4	Mr. Gerardo P. Panopio	Project Manager	Project Management	February 28, 1999 ~ March 13, 1999
1999/No5	Mr. Fernando P. Garrido III	Indirect C/P	Electrical Appliance Testing	October 27, 1999 ~ December 3, 1999
1999/No6	Mr. Ariel R. Garcia	Direct C/P	Electrical Appliance Testing	October 27, 1999 ~ December 3, 1999
1999/No7	Mr. Johann R. Borabon	Direct C/P	Electrical Appliance Testing	October 27, 1999 ~ December 3, 1999
2000/No8	Mr. Jay V. Illescas	Direct C/P	Electrical Appliance Testing/ Laboratory Management	October 31, 2000 ~ December 8, 2000
2000/No9	Mr. Dax Julius A. Velmonte	Direct C/P	Electrical Appliance Testing/ Laboratory Management	October 31, 2000 ~ December 8, 2000
2000/No10	Mr. Ernesto G. Rufa	Direct C/P	Electrical Appliance Testing/ Laboratory Management	October 31, 2000 ~ December 8, 2000
2001/No11	Mr. Bernard S. Biala	Direct C/P	Electrical and Electronic Appliance Testing	September 26, 2001 ~ November 2, 2001
2001/No12	Ms. Marisol C. Javier	Direct C/P	Electrical and Electronic Appliance Testing	September 26, 2001 ~ November 2, 2001
2001/No13	Mr. Rodelio Jose G. Fernandez	Direct C/P	Electrical and Electronic Appliance Testing	September 26, 2001 ~ November 2, 2001
2002/No14	Mr. Ronald C. CORALES	Direct C/P	Electrical and Electronic Appliance Testing	September 25, 2002 ~ November 1, 2002
2002/No15	Ms. Marycel B. MEHID	Indirect C/P	Electrical and Electronic Appliance Testing	September 25, 2002 ~ November 1, 2002

**LIST OF PROVISION OF MACHINERY AND EQUIPMENT**

Equipment Code	Property Name	Brand	Model Number	Serial Number	Amount	Currency Unit	Location	Status
EEATP-0001	Digital Oscilloscope	Yokogawa	DL1540	70156D389	330,944.74	Peso	Appliance Test Room	OK
EEATP-0002	Digital Power Meter	Yokogawa	253630	2536GA519 A	438,419.43	Peso	Appliance Test Room	OK
EEATP-0003	Digital Power Meter	Yokogawa	253630	2536GA520 A	438,419.43	Peso	Appliance Test Room	OK
EEATP-0004	Temperature Recorder	Yokogawa	DR-231-00-31-1D	7700GH910	328,295.08	Peso	Appliance Test Room	OK
EEATP-0005	Temperature Recorder	Yokogawa	DR-231-00-31-1D	7700GH911	328,295.08	Peso	Appliance Test Room	OK
EEATP-0006	Temperature Recorder	Yokogawa	DR-130-00-21-1D	7700GH912	223,769.49	Peso	Appliance Test Room	OK
EEATP-0007	Temperature Recorder	Yokogawa	DR-130-00-21-1D	7700GH913	223,769.49	Peso	Appliance Test Room	OK
EEATP-0008	Temperature Recorder	Yokogawa	DR-130-00-21-1D	7700GH914	223,769.49	Peso	Appliance Test Room	OK
EEATP-0009	Leakage Current Meter	Simpson	229-2	3-714555	141,500.00	Yen	Appliance Test Room	OK
EEATP-0010	Test Chamber, Walk-in Type	Tabai Spec	EBL-4H4G4A-38	3013001769	8,344,969.49	Peso	Appliance Test Room	OK
EEATP-0011	Isolating Transformer	Yamabishi	SYT-300-60	98-98263	682,000.00	Yen	Appliance Test Room	OK
EEATP-0012	Flexing Test Apparatus	PTL	39.24	9904118	4,778,100.00	Yen	Abnormal Test Room	OK
EEATP-0013	Torque Tester	PTL	37.13	9904130	664,700.00	Yen	Appliance Test Room	OK
EEATP-0014	Push Pull Scale	Imada	PS-5N	89422	204,500.00	Yen	Appliance Test Room	OK
EEATP-0015	Test Nail	PTL	P10.41	9902053.6	473,900.00	Yen	Appliance Test Room	OK
EEATP-0016	Ammeter	Yokogawa	2052	88BA3350	17,930.00	Peso	Appliance Test Room	OK
EEATP-0017	Ammeter	Yokogawa	2052	88BA3433	17,930.00	Peso	Appliance Test Room	OK
EEATP-0018	Volt-Ammeter	Yokogawa	2014	79AG0001	22,603.81	Peso	Appliance Test Room	OK
EEATP-0019	Test Probe	PTL	P10.03	none	122,600.00	Yen	Appliance Test Room	OK
EEATP-0020	Spray Nozzle	PTL	P05.24	9902053.3	693,200.00	Yen	Appliance Test Room	OK
EEATP-0021	Digital Multimeter	Yokogawa	7531-01	98AM4215	22,603.81	Peso	Appliance Test Room	OK
EEATP-0022	Digital Multimeter	Yokogawa	7544-02	8400448	34,395.71	Peso	Appliance Test Room	OK
EEATP-0023	Digital Multimeter	Yokogawa	7544-02	8700497	34,395.71	Peso	Appliance Test Room	OK
EEATP-0024	Digital Multimeter	Yokogawa	7544-02	8700498	34,395.71	Peso	Appliance Test Room	OK
EEATP-0025	Digital Multimeter	Yokogawa	7544-02	8700493	34,395.71	Peso	Appliance Test Room	OK
EEATP-0026	Thermohygrograph	Sekonic	ST-100V	811006E	266,666.67	Yen	Appliance Test Room	OK
EEATP-0027	Thermohygrograph	Sekonic	ST-100V	811039E	266,666.67	Yen	Appliance Test Room	OK
EEATP-0028	Thermohygrograph	Sekonic	ST-100V	811065E	266,666.67	Yen	Appliance Test Room	OK
EEATP-0029	Long Test Pin	PTL	P10.02	none	147,200.00	Yen	Appliance Test Room	OK
EEATP-0030	Hot Water Equipment	Johnson	200L	JEHW-001	1,180,000.00	Yen	Appliance Test Room	OK
EEATP-0031	Tachometer	Hioki	3404	1230599	25,210.00	Peso	Appliance Test Room	OK
EEATP-0032	Apparatus for Water Evaporati	Friborg	3300	none	1,031,800.00	Yen	Appliance Test Room	OK
EEATP-0033	Splash Test Apparatus	PTL	P07	none	934,000.00	Yen	Appliance Test Room	OK
EEATP-0034	Variable Transformer	Yamabishi	Ss-300-50	98-434-01	351,000.00	Yen	Appliance Test Room	OK
EEATP-0035	Variable Transformer	Yamabishi	Ss-300-50	98-434-02	351,000.00	Yen	Appliance Test Room	OK
EEATP-0036	Variable Transformer	Yamabishi	Ss-300-50	98-434-03	351,000.00	Yen	Appliance Test Room	OK
EEATP-0037	Variable Transformer	Yamabishi	Ss-300-50	98-434-04	351,000.00	Yen	Appliance Test Room	OK
EEATP-0038	Variable Transformer	Yamabishi	Ss-300-50	98-434-05	351,000.00	Yen	Appliance Test Room	OK
EEATP-0039	Variable Transformer	Yamabishi	Ss-300-50	98-434-06	351,000.00	Yen	Appliance Test Room	OK
EEATP-0040	Variable Transformer	Yamabishi	Ss-300-50	98-434-07	351,000.00	Yen	Appliance Test Room	OK
EEATP-0041	Variable Transformer	Yamabishi	Ss-300-50	98-434-08	351,000.00	Yen	Appliance Test Room	OK
EEATP-0042	Variable Transformer	Yamabishi	Ss-300-50	98-434-09	351,000.00	Yen	Appliance Test Room	OK
EEATP-0043	Variable Transformer	Yamabishi	Ss-300-50	98-434-10	351,000.00	Yen	Appliance Test Room	OK
EEATP-0044	Variable Transformer	Yamabishi	Ss-300-50	98-434-11	351,000.00	Yen	Appliance Test Room	OK
EEATP-0045	Variable Transformer	Yamabishi	Ss-300-50	98-434-12	351,000.00	Yen	Appliance Test Room	OK
EEATP-0046	Variable Transformer	Yamabishi	Ss-300-50	98-434-13	351,000.00	Yen	Appliance Test Room	OK

**LIST OF PROVISION OF MACHINERY AND EQUIPMENT**

Equipment Code	Property Name	Brand	Model Number	Serial Number	Amount	Currency Unit	Location	Status
EEATP-0047	Variable Transformer	Yamabishi	Ss-300-50	98-434-14	351,000.00	Yen	Appliance Test Room	OK
EEATP-0048	Variable Transformer	Yamabishi	Ss-300-50	98-434-15	351,000.00	Yen	Appliance Test Room	OK
EEATP-0049	Variable Transformer	Yamabishi	Ss-300-50	98-434-16	351,000.00	Yen	Appliance Test Room	OK
EEATP-0050	Variable Transformer	Yamabishi	Ss-300-50	98-434-17	351,000.00	Yen	Witness Test Room	OK
EEATP-0051	Variable Transformer	Yamabishi	Ss-300-50	98-434-18	351,000.00	Yen	Appliance Test Room	OK
EEATP-0052	Multifunction Calibrator	Wavetek	9100	38806	4,832,000.00	Yen	Calibration Room	OK
EEATP-0053	Computer System	HP	Brio	D6829-SG9067589	67,000.00	Peso	Appliance Test Room	OK
EEATP-0054	Computer System	HP	Brio	D6829-SG9067599	67,000.00	Peso	Appliance Test Room	OK
EEATP-0055	Computer System	HP	Brio	D6829-SG90778242	67,000.00	Peso	Appliance Test Room	OK
EEATP-0056	Motor Vehicle	Nissan	Power Eagle II	UTGD21-G51722	550,000.00	Peso	n.a.	OK
EEATP-0057	Water Pressure Apparatus	Kyowa	T-50K-P	1559537	16,500.00	Yen	Appliance Test Room	OK
EEATP-0058	Inkjet Printer	Canon	BJC-4550	CAU00691	12,500.00	Peso	Appliance Test Room	OK
EEATP-0059	LCD Projector	EIKI	LC-XNB1	G9X01158	280,000.00	Peso	Conference Room	OK
EEATP-0060	Visual Presenter System	EIKI	V-5100	10879	100,000.00	Peso	Conference Room	OK
EEATP-0061	Notebook Computer	Toshiba	Satellite 2060C	89015977	64,500.00	Peso	Appliance Test Room	OK
EEATP-0062	Hard Carrying Case	EIKI	none		18,500.00	Peso	Conference Room	OK
EEATP-0063	Photocopier System	Xerox	Document Center		527,756.00	Peso	Project Manager Room	OK
EEATP-0064	Accessories for Wavetek 9100Ca	Wavetek			950,963.00	Peso	Calibration Room	OK
EEATP-0065	Fourier Transform Infrared Spe	Shimadzu	FTIR-8300PC		1,580,000.00	Peso	Chemical Test Room	OK
EEATP-0066	Spectrum Library for Polymers	Bio-Rad	4107-W-2250		467,500.00	Peso	Chemical Test Room	OK
EEATP-0067	DC Voltage/Current Standard	Yokogawa	255801-7/D		444,000.00	Peso	Appliance Test Room	OK
EEATP-0068	Current Shunt	Yokogawa	2215-09	60YA2896	1,660.00	Peso	Appliance Test Room	OK
EEATP-0069	Current Shunt	Yokogawa	2215-13	60YA3128	2,110.00	Peso	Appliance Test Room	OK
EEATP-0070	Slide Resistor	Yokogawa	2791-12	60VV7137	34,400.00	Peso	Appliance Test Room	OK
EEATP-0071	Slide Resistor	Yokogawa	2791-10	69VV6104	34,400.00	Peso	Appliance Test Room	OK
EEATP-0072	Slide Resistor	Yokogawa	2791-08	60VV8144	34,400.00	Peso	Appliance Test Room	OK
EEATP-0073	Slide Resistor	Yokogawa	2791-05	60VV5207	34,400.00	Peso	Appliance Test Room	OK
EEATP-0074	Slide Resistor	Yokogawa	2791-03	60VV3212	34,400.00	Peso	Appliance Test Room	OK
EEATP-0075	Slide Resistor	Yokogawa	2791-02	69VV2118	34,400.00	Peso	Appliance Test Room	OK
EEATP-0076	Slide Resistor	Yokogawa	2791-01	60VV1128	34,400.00	Peso	Appliance Test Room	OK
EEATP-0077	Portable DC Ammeter	Yokogawa	2011-37	80AA2700	13,700.00	Peso	Appliance Test Room	OK
EEATP-0078	Portable DC Ammeter	Yokogawa	2011-36	80AA2698	13,700.00	Peso	Appliance Test Room	OK
EEATP-0079	Portable DC Ammeter	Yokogawa	2011-37	80AA2698	13,700.00	Peso	Appliance Test Room	OK
EEATP-0080	Portable DC Ammeter	Yokogawa	2011-37	80AA2699	13,700.00	Peso	Appliance Test Room	OK
EEATP-0081	Portable DC Ammeter	Yokogawa	2011-36	80AA2704	13,700.00	Peso	Appliance Test Room	OK
EEATP-0082	Portable DC Ammeter	Yokogawa	2011-36	80AA2705	13,700.00	Peso	Appliance Test Room	OK
EEATP-0083	Small Test finger	PTL	P-10.90		105,300.00	Yen	Appliance Test Room	OK
EEATP-0084	Spring Balance	Ohba Seiki			12,100.00	Yen	Appliance Test Room	OK
EEATP-0085	Spring Balance	Ohba Seiki			21,100.00	Yen	Appliance Test Room	OK
EEATP-0086	Test Hook	PTL	P10.40		19,700.00	Yen	Appliance Test Room	OK
EEATP-0087	Test Chain	PTL	P10.13		111,800.00	Yen	Appliance Test Room	OK
EEATP-0088	Test Probe	PTL	P10.16		59,200.00	Yen	Appliance Test Room	OK
EEATP-0089	Test Probe	PTL	P10.17		59,200.00	Yen	Appliance Test Room	OK
EEATP-0090	Leakage Current Tester	Hioki	3155-01		415,700.00	Yen	Appliance Test Room	OK
EEATP-0091	Spark Generator		BD-10AS		131,600.00	Yen	Appliance Test Room	OK
EEATP-0092	Resistor				500.00	Yen	Appliance Test Room	OK



## LIST OF PROVISION OF MACHINERY AND EQUIPMENT

Equipment Code	Property Name	Brand	Model Number	Serial Number	Amount	Currency Unit	Location	Status
EEATP-0093	Resistor				500.00	Yen	Appliance Test Room	OK
EEATP-0094	Resistor				700.00	Yen	Appliance Test Room	OK
EEATP-0095	Resistor				700.00	Yen	Appliance Test Room	OK
EEATP-0096	Resistor				2,800.00	Yen	Appliance Test Room	OK
EEATP-0097	Resistor				2,800.00	Yen	Appliance Test Room	OK
EEATP-0098	Resistor				4,300.00	Yen	Appliance Test Room	OK
EEATP-0099	Resistor				4,300.00	Yen	Appliance Test Room	OK
EEATP-0100	Resistor				19,300.00	Yen	Appliance Test Room	OK
EEATP-0101	Resistor				19,300.00	Yen	Appliance Test Room	OK
EEATP-0102	Resistor				19,300.00	Yen	Appliance Test Room	OK
EEATP-0103	Resistor				19,300.00	Yen	Appliance Test Room	OK
EEATP-0104	Resistor				19,300.00	Yen	Appliance Test Room	OK
EEATP-0105	Resistor				19,300.00	Yen	Appliance Test Room	OK
EEATP-0106	Resistor				19,300.00	Yen	Appliance Test Room	OK
EEATP-0107	Resistor				19,300.00	Yen	Appliance Test Room	OK
EEATP-0108	Test Plug for Antenna		165-12.5		105,300.00	Yen	Appliance Test Room	OK
EEATP-0109	Steel Ball for Impact Test		TB-550		32,900.00	Yen	Appliance Test Room	OK
EEATP-0110	Low Resistance Meter	Hioki	3540		110,500.00	Yen	Appliance Test Room	OK
EEATP-0111	Audio Generator	Leader	LAG-120B		89,500.00	Yen	Appliance Test Room	OK
EEATP-0112	Audio Generator	Leader	LAG-120B		89,500.00	Yen	Appliance Test Room	OK
EEATP-0113	Audio transmitter	TOA	WM-1100		49,300.00	Yen	Appliance Test Room	OK
EEATP-0114	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0115	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0116	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0117	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0118	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0119	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0120	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0121	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0122	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0123	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0124	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0125	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0126	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0127	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0128	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0129	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0130	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0131	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0132	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0133	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0134	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0135	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0136	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0137	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0138	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK

## LIST OF PROVISION OF MACHINERY AND EQUIPMENT

Equipment Code	Property Name	Brand	Model Number	Serial Number	Amount	Currency Unit	Location	Status
EEATP-0139	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0140	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0141	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0142	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0143	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0144	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0145	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0146	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0147	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0148	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0149	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0150	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0151	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0152	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0153	Audio Receiver	TOA	WT-1101-11C13		25,000.00	Yen	Appliance Test Room	OK
EEATP-0154	Battery Charger	TOA	BC-1100-12		98,700.00	Yen	Appliance Test Room	OK
EEATP-0155	Vibration Test Machine	IMV	CV-600-070	450212	9,623,790.00	Peso	Mechanical Test Room	OK
EEATP-0156	Cable Flexing Test Apparatus	PTL	F43.01		5,808,600.00	Yen	Appliance Test Room	OK
EEATP-0157	AC Power Supply System	NF	4400	342767	3,490,000.00	Yen	Appliance Test Room	OK
EEATP-0158	AC Power Supply System	NF	4400	342768	3,490,000.00	Yen	Appliance Test Room	OK
EEATP-0159	Microwave Survey Meter	Holaday	HL-1501	104107	229,000.00	Yen	Appliance Test Room	OK
EEATP-0160	Dielectric Strength Tester	Kikusui	TOS 5101	FB000361	447,400.00	Yen	Appliance Test Room	OK
EEATP-0161	Hardness Tester	Teclock	GSD 720		559,200.00	Yen	Appliance Test Room	OK
EEATP-0162	Variable Resistance Set				328,900.00	Yen	Appliance Test Room	OK
EEATP-0163	Scratch Tester	EXCEL	ST-001		26,300.00	Yen	Appliance Test Room	OK
EEATP-0164	Winding Test Apparatus, Twist	PTL	D17.11		855,300.00	Yen	Appliance Test Room	OK
EEATP-0165	Winding Test Apparatus, Cylind	PTL	D17.26		684,200.00	Yen	Appliance Test Room	OK
EEATP-0166	Dielectric Strength Test Jig	PTL	ZTTS-100GF		328,900.00	Yen	Appliance Test Room	OK
EEATP-0167	DC Power Supply	Kenwood	PS60-36	5110001	605,300.00	Yen	Appliance Test Room	OK
EEATP-0168	X-Ray Measuring Apparatus	Victoreen	440RF/D	99013	1,477,600.00	Yen	Appliance Test Room	OK
EEATP-0169	Surge Test Apparatus	Tokyo Seiden	TS-EC0028		4,005,300.00	Yen	Appliance Test Room	OK
EEATP-0170	Color Pattern Generator	Kenwood	CG-931	5080008	236,800.00	Yen	Appliance Test Room	OK
EEATP-0171	High Voltage Probe	Iwatsu	HV-P60	644	648,700.00	Yen	Appliance Test Room	OK
EEATP-0172	Oscilloscope	Kenwood	Cs4125	5090280	396,100.00	Yen	Appliance Test Room	OK
EEATP-0173	Color Pattern Generator	Kenwood	CG-932	5010019	213,200.00	Yen	Appliance Test Room	OK
EEATP-0174	Pink Noise Generator	NF	WG-722+3624	345126/342304	2,500,000.00	Yen	Appliance Test Room	OK
EEATP-0175	Digital Multitester	Agilent	HP-34401A	US36117957	260,500.00	Yen	Appliance Test Room	OK
EEATP-0176	Static Voltage Meter	E & C	DHM-50	1021909	592,100.00	Yen	Appliance Test Room	OK
EEATP-0177	Computer System	NEC	Mate		106,000.00	Yen	Appliance Test Room	OK
EEATP-0178	Transducer		D22-25H		77,500.00	Yen	Appliance Test Room	OK
EEATP-0179	Low Resistance Meter	Hioki	3540	937857	72,000.00	Yen	Electrical Test Room 4	OK
EEATP-0180	Programmable Logic Controller	Omron	CPM2A-30CDR-A	2791	69,043.00	Peso	Electrical Test Room 4	OK
EEATP-0181	Programmable Logic Controller	Omron	CPM2A-40CDR-A	3031		Peso	Electrical Test Room 4	OK
EEATP-0182	Dry Block Calibrator	Pegasus	1200 SN	211371-1	290,000.00	Peso	Calibration Room	OK
EEATP-0183	DAQStation DX200	Yokogawa	DX230-1-2/C2/H5D	12AC19995	400,587.00	Peso	Electrical Test Room 4	OK
EEATP-0184	DAQStation DX200	Yokogawa	DX220-1-2/C2/H5D	12AC20044	350,262.00	Peso	Electrical Test Room 4	OK

## LIST OF PROVISION OF MACHINERY AND EQUIPMENT

Equipment Code	Property Name	Brand	Model Number	Serial Number	Amount	Currency Unit	Location	Status
EEATP-0185	DAQStation DX200	Yokogawa	DX230-2-2/C2/H5D	12AC19996	430,848.00	Peso	Electrical Test Room 4	OK
EEATP-0186	Portable Recorder	Yokogawa	305721-6/D	11AC19372	143,404.80	Peso	Electrical Test Room 4	OK
EEATP-0187	Digital Power Meter	Yokogawa	253630-C1-5-D/BS/INTG/HRM/DA/EX2	12AC19999	861,430.00	Peso	Electrical Test Room 4	OK
EEATP-0188	Desoldering Station	Hakko	474	4740103103	50,798.30	Peso	Electrical Test Room 4	OK
EEATP-0189	Desoldering Station	Hakko	474	4740102927	50,798.30	Peso	Calibration Room	OK
EEATP-0190	Rework Station	Hakko	702		127,655.55	Peso	Electrical Test Room 4	OK
EEATP-0191	Rework Station	Hakko	702		127,655.55	Peso	Electrical Test Room 4	OK
EEATP-0192	Power Meter	Agilent	E4119B		433,570.50	Peso	Calibration Room	OK
EEATP-0193	Power Sensor	Agilent	0200 8482A		0.00	Peso	Calibration Room	OK
EEATP-0194	Power Sensor	Agilent	0200 8482A		0.00	Peso	Calibration Room	OK
EEATP-0195	Multimeter, Digital	Fluke	87-III	80890389	20,000.00	Peso	Electrical Test Room 4	OK
EEATP-0196	Multimeter, Digital	Fluke	87-III	80890391	20,000.00	Peso	Electrical Test Room 4	OK
EEATP-0197	Multimeter, Digital	Fluke	87-III	80890350	20,000.00	Peso	Electrical Test Room 4	OK
EEATP-0198	Multimeter, Digital	Fluke	87-III	80890351	20,000.00	Peso	Electrical Test Room 4	OK
EEATP-0199	Hot Line Resistance Meter	Soken	DAC-HR450-UL	B34-0088	1,876,685.00	Yen	Electrical Test Room 4	OK

## Provision of Machinery and Equipment for Experts

**Equipment Price from ¥20,000 to ¥100,000**

MANAGEMENT NO.	EQUIPMENT NAME	BRAND NAME	MODEL NO.	YEAR DONATED	AMOUNT (Yen)	DATE OF ARRIVAL	LOCATION	CONDITION	*FREQUENCY OF USE
D - EEATP - 1	SCANNER	Epson	GT-7000S	1999	44,000	1999/6/30	Office(Bldg. 3)	Very Good	C
D - EEATP - 2	MO DRIVE	I/O Data	MOF - H640/CBS	1999	71,000	1999/6/30	Office (Bldg. 3)	Very Good	C
D - EEATP - 3	TRANSFORMER	Swallow	PAL - 1500EP	1999	27,000	1999/6/30	Office(Bldg. 3)	Very Good	C
D - EEATP - 4	TRANSFORMER	Swallow	PAL - 1500EP	1999	27,000	1999/6/30	Office (Bldg. 3)	Very Good	C
D - EEATP - 8	TRANSFORMER	Toyoden	CD220-15	1999	25,000	1999/7/7	Office(Bldg. 1)	Very Good	C
D - EEATP - 9	DIGITAL CAMERA	Olympus	C-900Zoom	1999	74,000	1999/7/7	Bldg. 1	Very Good	A
D - EEATP - 10	PRINTER	Canon	BJC-80V	1999	37,000	1999/7/7	Bldg. 1	Very Good	C
D - EEATP - 11	TRANSFORMER	Toyoden	CD220-15	1999	26,000	1999/7/7	Office(Bldg.1)/Kitada	Very Good	A
D - EEATP - 15	MEDIA CONVERTER	Sony	DVMC-DA1	1999	29,000	1999/8/9	Bldg. 1	Very Good	C
D - EEATP - 16	CAPTURE CARD KIT	Sony	DVBK-CW200	1999	40,000	1999/12/16	Bldg. 1	Very Good	C
D - EEATP - 18	CANON TORQUE METER	Canon	DTDK-50 E	2000	68,452	2000/3/20	Bldg. 3	Very Good	B
D - EEATP - 19	CANON TORQUE METER	Canon	DTDK-50 E	2000	68,452	2000/3/20	Calibration Room/Bldg. 1	Very Good	C

**Equipment Price from ¥100,000 to ¥1,600,000**

MANAGEMENT NO.	EQUIPMENT NAME	BRAND NAME	MODEL NO.	YEAR DONATED	AMOUNT(Yen)	DATE OF ARRIVAL	LOCATION	CONDITION	*FREQUENCY OF USE
E - EEATP - 5	PERSONAL COMPUTER	Toshiba	4030X	1999	359,000	1999/6/30	Bldg. 3	Very Good	C
E - EEATP - 6	PERSONAL COMPUTER	Toshiba	PAS403JA	1999	284,000	1999/7/7	Office(Bldg. 1) Sakata	Very Good	A
E - EEATP - 7	PERSONAL COMPUTER	Apple	Power Book G3	1999	379,000	1999/7/7	Office (Bldg. 1)Kitada	Good	A
E - EEATP - 12	LASER PRINTER	Hewlett Packard	2100M	1999	115,000	1999/8/3	Bldg. 3	Very Good	A
E - EEATP - 13	COLOR LASER JET PRINTER	Hewlett Packard	HP4500	1999	428,000	1999/8/3	Office (Bldg. 1)	Very Good	A
E - EEATP - 14	DIGITAL VIDEO CAMERA	Olympus	DCR-PC3	1999	197,000	1999/8/9	Bldg. 1	Very Good	C
E - EEATP - 17	VACUUM PUMP	Shimadzu	SA 18-3M	2000	140,000	2000/11/8	Bldg. 3	Very Good	C
E - EEATP - 20	PERSONAL COMPUTER	NEC	LC65H/64DS	2001	344,085	2001/4/1	Office(Bldg. 3)	Malfunction	C
E - EEATP - 21	PERSONAL COMPUTER	THINKPAD	2628-IAJ	2001	379,050	2001/4/1	Office(Bldg. 1)	Very Good	A
E - EEATP - 22	PERSONAL COMPUTER	IBM	R30 ( 2656-42J)	2002	301,000	2002/4/1	Office(Bldg.1) Sakurai	Very Good	A

\* A: very often, almost everyday / B: 1 to 3 times per week / C: from time to time

## Annex 37-1

## Expenses by the Japanese Side

(Unit: Thousand Yen)

Japanese Fiscal Year	1998	1999	2000	2001	2002	Total
Dispatch of Experts	352	65,248	85,085	104,083	35,850	290,618
Acceptance of C/P in Japan	4,988	3,938	4,494	6,698	5,115	25,233
Provision of Machinery and Equipment	66,947	11,089	64,027	14,568	0	156,631
Dispatch of Study Team	2,640	663	2,238	1,471	6,309	13,321
Local Cost Support		2,275	5,211	3,681	1,024	12,191

Grand Total: **497,994**

Note:

1. Expenses in Japanese Fiscal Year 2002 as of Oct. 2002.
2. Local Cost Support is converted in JPY from Peso using JICA Official Rate. (Oct. 2002 : 1peso=JPY2.374)

## Seminars Expenditure

Japanese Fiscal Year	1999		2000		2001		2002	Total (Pesos)	
	1st *	2nd	3rd **	4th ***	5th	6th	7th		
Date	31.Aug	12.Oct	8 November	24.Nov	30.May	13.Nov	21.Jun		
Major Items	Venue	BPSTC Conference Room	MIRDC Conference Room	MIRDC Conference Room	Philippine International Convention Center	Cebu Midtown Hotel	Baguio St.Louis University	Leyte Tacloban City Ritz Tower	
Rented Venue	-	7,200	-	-	-	-	4,200	11,400	
Rented Car	-	-	-	-	4,400	12,000	6,950	23,350	
Air Fare	-	-	-	-	31,986	-	25,205	57,191	
Travel Allowance	-	-	-	-	19,080	4,440	35,628	59,148	
Others	-	-	-	-	-	-	-	0	
Total (Pesos)	-	7,200	-	-	55,466	16,440	71,983	151,089	

\* No expense when held in-house.

\*\* The venue was rented from MIRDC for free.

\*\*\* No expense due to joint IIEE convention program.

Note: Expense of Making a seminar materials such as paper, printing, stationery, etc. are not included in view of the impossibility to distinguish daily consumption.

Submitted Reports from the Project

Report Name	1999				2000				2001				2002			
	4	7	10	1	4	7	10	1	4	7	10	1	4	7	10	1
<b>Technical Evaluation Report</b>																
Electric flat iron		23-Jul														
Electric rice cooker			9-Nov													
Electric coffee maker				19-Jan					9-May							
Electric oven						5-May										
Electric instantaneous water heater/Electric storage water heater								23-Feb								
Electric toaster(Pop-up Type)/Electric hairdryer						23-Aug										
Electric immersion water heater									4-Dec							
Review										24-Apr						
Refrigerator with freezer									5-Dec							
Electric fan							13-Mar									
Electric washing machine w/ spin extractor										7-Aug						
Room air conditioner											15-Nov		21-Mar			
Juice Blender/Electric vacuum cleaner w/o current-carrying hose												21-Dec				
Microwave Oven														5-Sep		
AC Adapter										23-Jul						
VTR/VCR											12-Mar					
Amplifier												21-Dec				
Radio Cassette Tape Recorder															18-Jun	
Component System															21-Mar	
<b>Review of PDM</b>			12-Nov			25-Apr										
<b>Monitoring of PDM</b>								7-Feb			2-Aug					
<b>Midterm Evaluation</b>											7-Aug					
<b>Pre Evaluation</b>															31-Jul	
<b>Seminar</b>		12-Oct					7-Dec	13-Dec		6-Jun		20-Nov			2-Jul	
<b>Training Course</b>							14-Dec		26-Feb		28-Jun				9-Jul	
<b>Middle level Training Course</b>								3-Apr				25-Apr				
<b>Convention</b>								1-Dec		8-Oct		7-Dec				
<b>Quarterly Report/Liquidation Report for the Local Cost</b>		16-Jul	18-Oct	12-Jan	31-Mar	21-Jul	11 Oct	18 Jan	19-Apr	11-Jul	5-Oct	17-Jan	17-Apr	3-Jul	15-Oct	
<b>Regular Meeting</b>																
<b>Official Trip</b>			19-Nov		9-Mar		15-Dec			24-May			3-Jul			15-Aug
<b>Monthly Report</b>																

\* Official Facsimile and other Facsimile are sent in case the need arises

The Medium-term Philippine Development Plan 2004



**THE MEDIUM-TERM  
PHILIPPINE DEVELOPMENT PLAN  
2001-2004**

with

**THE 2001 STATE OF THE NATION  
ADDRESS**

**By President Gloria Macapagal-Arroyo**



Manila, Philippines



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## Chapter 3

# Enhancing Competitiveness of Industry and Services

**C**ompetitive industries and service sectors are sustainable sources of stable and remunerative jobs. Hence, enhancing the competitiveness of these sectors is crucial to sustained job generation and poverty reduction. Liberalization and regulatory reforms, clear and simplified rules and regulations, investments in science and technology (S&T) and research and development (R&D), continued infrastructure development and industrial peace, as well as a stable macroeconomic environment are important in ensuring long-run growth of industries and services.

The benefits from globalization shall be balanced with stronger regulatory capability, more transparency, and effective implementation of safety nets. The development of micro- as well as small and medium enterprises (SMEs) will be stepped up so that these can ultimately be linked to the global economy. Fast growing sectors like the information and communications technology (ICT) sector, where high-value jobs are most plentiful, will be promoted. Philippine foreign trade policy will be designed in the context of the Association of Southeast Asian Nations (ASEAN), while economic relations with the United States and Japan will be strengthened. A clear antitrust policy regime will also be put in place and enforced.



intermediating funds for particular segments of the economy, particularly the SMEs or the informal sector. The increased participation of foreign banks will continue to be promoted to provide additional impetus needed to sustain as well as enhance the competitiveness and efficiency of the banking system.

Electronic banking will be promoted to reduce information and transaction costs and enable clients to get wired into the sources of funds. As the volume of e-banking transactions increases, the identification, assessment, management, and control of the attendant risks will be properly evaluated.

To further strengthen the stability of the banking sector, the monetary authorities shall continue to introduce prudential regulatory reforms (see Chapter 1).

### **Developing and diversifying products and markets**

The export of goods and services will continue to be a major vehicle to accelerate the economic development of the country. Government will regularly assess the country's export development thrust to respond to changes in the global and local environments.

The opportunities offered by bilateral and regional trading arrangements and free trade areas, as well as those identified in the updated Philippine Export Development Plan will be explored to diversify the Philippine export market. Philippine foreign trade policy shall be designed in the context of ASEAN. Economic relations with the United States and Japan shall be enhanced. At the same time, government will put more effort into the diversification of export products to reduce the country's dependence on electronics. As the agriculture sector becomes more competitive, it can also contribute to the growing diversification of the export basket. The country's advantages in providing ICT and related backroom services for multinational firms will be promoted.

Strategic partnerships to support identified sectors will be maintained. Emphasis will be given to bringing in new technologies and skills to improve quality, productivity, and competitiveness. Participation in industrial complementation programs will be intensified and an aggressive international subcontracting program undertaken to expand export markets. If necessary, support to the private sector for the establishment of certain industries will be provided.

Technological innovation will facilitate the shift in production from low- to high-growth business sectors such as ICT. The private sector will be encouraged to develop an aggressive attitude towards technological innovation and adaptation to be competitive. The government will encourage cooperation and networking between and among firms to share information and expertise to reduce the uncertainties involved in developing new products and markets. Science and technology institutions, especially those in the academe, will be tapped to ensure synergy and optimization in the use of resources in developing technology-based and high-value products.

Efforts will likewise be exerted to improve Philippine product standards to conform to international standards. For this purpose, product testing and quality control services of concerned government agencies and private entities will be enhanced.



**Keynote Address of Secretary MAR Roxas**  
**"Strategies for Product Standards"**

KEYNOTE ADDRESS OF SECRETARY MAR ROXAS  
"STRATEGIES FOR PRODUCT STANDARDS"

STANDARDS AND CONFORMANCE CONFERENCE  
MANDARIN ORIENTAL HOTEL, MAKATI CITY  
11:00 A.M., 14 OCTOBER 2002

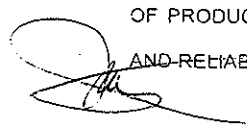
**CUSTOMARY GREETINGS**

(AKNOWLEDGE GUESTS AND VIPs)

I AM PLEASED TO JOIN YOU IN THIS IMPORTANT EVENT WHICH IS PART OF OUR CELEBRATION OF *WORLD STANDARDS DAY* AND OUR OWN *NATIONAL STANDARDS WEEK*, AS WELL AS OUR CONSUMER WELFARE MONTH CELEBRATIONS.

**INTRODUCTION**

- EACH YEAR ON 14 OCTOBER, WE PAY TRIBUTE TO THE COLLABORATIVE EFFORTS OF THOUSANDS OF EXPERTS WORLDWIDE, INCLUDING OUR VERY OWN, WHO DEVELOP THE VOLUNTARY TECHNICAL AGREEMENTS THAT ARE PUBLISHED AS INTERNATIONAL STANDARDS.
- THE THEME FOR THIS YEAR'S WORLD STANDARDS DAY CELEBRATIONS FOCUSES ON THE MESSAGE "*ONE STANDARD, ONE TEST - ACCEPTED EVERYWHERE*" EMPHASIZES THE IMPORTANT ROLE THAT STANDARDS PLAY IN THE DEVELOPMENT OF THE GLOBAL MARKET. THIS IS BECAUSE STANDARDS DENOTE THE SAME QUALITY OF PRODUCTS WHEREVER THEY ARE MADE AND ENSURES SAFETY AND RELIABLE PERFORMANCE OF PRODUCTS.

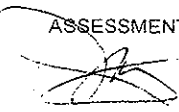


- HAVING SAID THAT, IT MAY BE HELPFUL AT THIS POINT TO BE REMINDED OF THE ASEAN VISION 2020 "TO WORK TOWARDS A WORLD CLASS STANDARDS AND CONFORMANCE SYSTEM THAT WILL PROVIDE A HARMONIZED SYSTEM TO FACILITATE THE FREE FLOW OF ASEAN TRADE WHILE MEETING HEALTH, SAFETY, AND ENVIRONMENTAL NEEDS".
- WE FULLY SUBSCRIBE TO THIS GOAL WHICH IS ALSO APPLICABLE TO OUR MULTILATERAL COMMITMENTS WITH APEC AND THE WTO CONSIDERING THE YEAR 2020 WHEN PHILIPPINE NATIONAL STANDARDS WOULD BE ALIGNED WITH INTERNATIONAL STANDARDS.

**WHERE WE ARE**

- OUR GOVERNMENT BELIEVES THAT STANDARDS AND CONFORMITY ASSESSMENT ARE CRUCIAL AS WE TRY TO ACHIEVE OUR GOALS OF CONSUMER PROTECTION AND DEVELOPMENT OF GLOBALLY COMPETITIVE PRODUCTS.
- THE BUREAU OF PRODUCT STANDARDS (BPS) OF THE DEPARTMENT OF TRADE AND INDUSTRY (DTI) HAS BEEN MANDATED TO DEVELOP, PROMOTE AND ENFORCE STANDARDS. THE PHILIPPINE STANDARDIZATION LAW, OR REPUBLIC ACT NO. 4109 OF 1964, CREATED THE BPS. THE BPS DEVELOPS STRATEGIES, PLANS, AND PROGRAMS FOR THE MANAGEMENT OF THE IMPACTS OF GLOBALIZATION AND OTHER TRADE DEVELOPMENT. AS OF SEPTEMBER 2002, THERE ARE 1,816 PHILIPPINE NATIONAL STANDARDS (PNS) OF WHICH 1,062 OR 58% HAVE BEEN ALIGNED/ HARMONIZED WITH INTERNATIONAL STANDARDS.

- A TOTAL OF 87 PNS HAVE BEEN IDENTIFIED UNDER MANDATORY STANDARDS. THESE ARE THE PRIORITY PRODUCTS COMMITTED UNDER THE ASEAN, APEC AND THE WTO. OF THESE NUMBER, 42 PNS OR 49% ARE NOW IDENTICAL WITH INTERNATIONAL STANDARDS.
- THE REMAINING 45 PNS (OR 51%) EITHER HAVE BEEN MODIFIED (9 PNS), NOT EQUIVALENT (7 PNS), OR HAVE NO EQUIVALENT INTERNATIONAL STANDARD (29 PNS). THE REASONS WHY THESE PNS HAVE NOT BEEN ALIGNED WITH INTERNATIONAL STANDARDS, INCLUDE: LONG-STANDING BUSINESS PRACTICES, CLIMATIC CONDITIONS, VARIATIONS IN APPLICATIONS, AND HIGHER REQUIREMENTS, AMONG OTHERS. THE PHILIPPINES, LIKE OTHER DEVELOPING ECONOMIES, HAVE BEEN GIVEN UNTIL 2020 TO COMPLETELY ALIGN ITS STANDARDS ON THESE PRODUCTS TO INTERNATIONAL STANDARDS.
- WE HAVE ESTABLISHED 64 TECHNICAL COMMITTEES TO PROVIDE THE VENUE FOR THE INTERCHANGE OF CONCEPTS AND VIEWS IN THE FORMULATION, ADOPTION AND REVIEW OF PHILIPPINE NATIONAL STANDARDS. SPS IS A PARTICIPATING MEMBER (WITH VOTING RIGHTS) IN 27 TECHNICAL COMMITTEES (TCs) AND AN OBSERVER MEMBER (WITHOUT VOTING RIGHTS) IN 43 TCs OF THE INTERNATIONAL STANDARDS ORGANIZATION (ISO). IT IS ALSO A PARTICIPATING MEMBER IN 7 TCs AND AN OBSERVER MEMBER IN 1 TC OF THE INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC).
- OUR COUNTRY ACTIVELY PARTICIPATES IN REGIONAL AND INTERNATIONAL FORA ON STANDARDS AND CONFORMITY ASSESSMENT WHICH INCLUDE: THE ASEAN CONSULTATIVE



COMMITTEE ON STANDARDS AND CONFORMANCE (ACCSQ), APEC SUBCOMMITTEE ON STANDARDS AND CONFORMANCE (APEC-SCSC), AND THE ASIA-EUROPE MEETING ON STANDARDS AND CONFORMITY ASSESSMENT (ASEM-SCA).

▪ **ASEAN**


- TWENTY (20) PRODUCT GROUPS WHICH ARE WIDELY TRADED AMONG MEMBER COUNTRIES HAVE BEEN SELECTED FOR HARMONIZATION OF PRODUCT STANDARDS. THESE PRODUCT GROUPS, RANGING FROM AIRCONDITIONERS AND TELEVISION SETS TO SWITCHES AND RUBBER GLOVES, COVER 59 IDENTIFIED INTERNATIONAL STANDARDS FOR ALIGNMENT BY 2003. THE PHILIPPINES HAS ADOPTED 57 OF THE 59 INTERNATIONAL STANDARDS FOR HARMONIZATION. IN 2003, THE ALIGNMENT ON THE SAFETY AND ELECTROMAGNETIC COMPATIBILITY (EMC) STANDARDS WILL BE COMPLETED FOR THESE PRODUCTS.

DURING THE 34<sup>TH</sup> MEETING OF THE ASEAN ECONOMIC MINISTERS LAST 12 SEPTEMBER IN BRUNEI IT WAS AGREED TO EMBARK ON THE HARMONIZATION OF ANOTHER 72 STANDARDS FOR SAFETY AND 10 STANDARDS FOR EMC TO FACILITATE INTRA-ASEAN TRADE AND INCREASE MARKET ACCESS OF ASEAN ELECTRICAL AND ELECTRONIC PRODUCTS.

- ACCSQ IS LOOKING INTO HARMONIZATION OF STANDARDS IN OTHER SECTORS AND STANDARDS FOR FOOD LABELING.

▪ **APEC**

- THE SUBCOMMITTEE ON STANDARDS AND CONFORMANCE (SCSC) HAS IDENTIFIED 4 PRIORITY AREAS FOR ALIGNMENT WITH



INTERNATIONAL STANDARDS UNDER ITS VOLUNTARY ACTION PROGRAM (VAP). THESE PRIORITY AREAS ARE: ELECTRICAL AND ELECTRONIC APPLIANCES, FOOD LABELING, RUBBER PRODUCTS, AND MACHINERY AND EQUIPMENT.

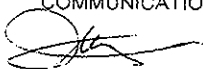
- THE PHILIPPINES HAS ALREADY ALIGNED 86% OF ITS STANDARDS TO INTERNATIONAL STANDARDS OF THESE FOUR PRIORITY AREAS. DEVELOPING COUNTRIES ARE EXPECTED TO COMPLETE HARMONIZATION BY 2005.

▪ **EUROPEAN UNION**

- UNDER THE ASEM-SCA, ALIGNMENT ON INTERNATIONAL STANDARDS FOR A CONCRETE SET OF PRIORITY SECTORS INCLUDING MEDICAL DEVICES, MACHINERY, ELECTRICAL, AND ELECTRONIC EQUIPMENT AND RUBBER PRODUCTS ARE BEING UNDERTAKEN. THE CHOICE OF SECTORS REFLECT THE MUTUAL TRADE INTERESTS WHERE THERE IS REAL CHANCE OF MARKETING PROGRESS AND HAS A CLEAR AND POSITIVE IMPACT ON TRADE.

**THE CHALLENGES**


- THE PHILIPPINES' HARMONIZATION EFFORTS IS WITHIN THE TIMEFRAMES SET BY THE ACCSQ, APEC, AND EU, AND IS IN ACCORDANCE WITH WTO GUIDELINES.
- NOTWITHSTANDING THIS, THERE IS THE REALIZATION THAT THE GLOBAL TRADING ENVIRONMENT HAS GENERALLY BECOME MORE OPEN, WHETHER MULTILATERALLY OR REGIONALLY. BORDERS ARE BECOMING SEAMLESS, WITH STRIDES IN INFORMATION AND COMMUNICATION TECHNOLOGY BEING A POTENT ENABLER.



- TRADITIONAL FORMS OF TRADE BARRIERS SUCH AS TARIFFS ARE DECLINING IN IMPORTANCE. IN THEIR PLACE WE SEE NEWER FORMS OF PROTECTION THAT RELY HEAVILY ON STANDARDS, COMPETITION-RELATED PRACTICES AND DISCRIMINATORY PREFERENTIAL TREATMENT OF TRADING PARTNERS.
- THE LAUNCHING OF A NEW ROUND OF NEGOTIATIONS IN THE WTO, THE COMING CONCLUSION OF THE ASEAN FREE TRADE AREA, AND MOVES TOWARD FREE TRADE ARRANGEMENTS HAVE BROUGHT OUT THE NEED TO APPROACH THESE AND OTHER FORA WITH A COHERENT AND WELL-THOUGHT OUT POSITION, PARTICULARLY IN THE AREA OF STANDARDS AND CONFORMANCE.
- SOME OF THE COUNTRIES THAT RESPONDED IMMEDIATELY TO THE CHALLENGE POSED BY ACCELERATED GLOBALIZATION ARE JAPAN, MALAYSIA, SINGAPORE, KOREA, THE UNITED STATES, AND THE EUROPEAN COMMUNITY. FOR EXAMPLE, JAPAN LAUNCHED ITS STANDARDIZATION STRATEGY IN JANUARY OF THIS YEAR WHICH CONSISTS OF TWO PARTS : GENERAL STRATEGY AND SECTOR-SPECIFIC STRATEGY.

IN ALL THE STRATEGIES OF THESE COUNTRIES, TWO THINGS STAND OUT AS COMMON: STRENGTHENING STANDARDIZATION AT THE NATIONAL LEVEL THROUGH POLICY AND REGULATION; AND, ACTIVE PARTICIPATION IN REGIONAL AND MULTILATERAL STANDARDIZATION ACTIVITIES.

IN ORDER TO COPE WITH RAPID CHANGES IN THE GLOBAL ENVIRONMENT, OTHER COUNTRIES FORMULATE POLICIES THAT STRENGTHENS STANDARDIZATION. KOREA, CANADA AND THE

 UNITED STATES, FOR INSTANCE, REQUIRE THE USAGE OF VOLUNTARY STANDARDS IN TECHNICAL REGULATIONS. IN JAPAN STANDARDIZATION IS AN INDUSTRY INITIATIVE ALL LEVELS WITH THE JISC (JAPAN INDUSTRIAL STANDARDS COMMITTEE) PROVIDING SECRETARIAT SUPPORT.

- AS TRADE BARRIERS FALL AND QUALITY AND ENVIRONMENTAL AWARENESS RISES, THE INFLUENCE OF STANDARDS AND QUALITY ON PRESENT BUSINESS OPERATIONS IS LIKELY TO INCREASE FURTHER. STANDARDS AND QUALITY HAS BECOME THE KEY TO WINNING NEW BUSINESS, TO ENTER INTO NEW MARKETS AND TO ATTRACT AND KEEP CUSTOMERS. IT IS CRUCIAL TO MANAGE STANDARDIZATION, METROLOGY, TESTING, CONFORMITY ASSESSMENT AND CERTIFICATION IN ORDER TO PENETRATE AND SUSTAIN MARKETS. THE ACCREDITATION OF THE PS CERTIFICATION SCHEME TO INTERNATIONAL STANDARDS CAN PROVIDE THE BASIS FOR INTERNATIONAL RECOGNITION OF THE CONFORMITY ASSESSMENT AND CERTIFICATION SYSTEM OF OUR COUNTRY.
- MORE AND MORE EMPHASIS HAS BEEN PLACED OVER THE LAST SEVERAL YEARS ON MECHANISMS FOR ASSESSMENT OF CONFORMITY TO STANDARDS. THERE ARE SEVERAL THIRD-PARTY PRODUCT CERTIFICATION SYSTEMS BEING APPLIED THROUGHOUT THE WORLD. HENCE, AS LONG AS THE LEVEL OF CONFIDENCE IS ACHIEVED, DEVELOPING PRODUCT CERTIFICATION SYSTEMS THAT ARE MOST APPROPRIATE FOR EACH PRODUCT OR SERVICE WILL BE IN THE DIRECTION OF BOOSTING THE COMPETITIVENESS OF THAT PRODUCT OR SERVICE.

#### DTI RESPONSES


- THE DTI ESPOUSES AN ECONOMIC PHILOSOPHY THAT TAKES A PRAGMATIC AND AN OPEN YET CAREFUL STANCE TOWARDS GLOBALIZATION. THIS IS OUR PROACTIVE RESPONSE TO THE ECONOMIC ADVERSITY THAT CONFRONTS DEVELOPING COUNTRIES LIKE THE PHILIPPINES.
- THE ORTHODOXY THAT WE SUBSCRIBE TO IS THAT MARKET INTEGRATION MAKES ECONOMIES MORE EFFICIENT THROUGH BETTER DIVISION OF LABOR AND THROUGH ECONOMIES OF SCALE. THIS IS DONE BY LOWERING BARRIERS TO TRADE, OF WHICH STANDARDS ARE INCREASINGLY BEING EMPLOYED. INTEGRATION STIMULATES HEALTHY COMPETITION, LOWERS COST, ENLARGES THE "DOMESTIC MARKET", AND TENDS TO ATTRACT INVESTORS, WHICH IN TURN CREATES JOBS.
- ONE OF THE LESSONS OF THE ASIAN FINANCIAL CRISIS AND THE GLOBAL ECONOMIC SLOWDOWN LAST YEAR IS THAT ALTHOUGH NATIONAL RESPONSE ALONE MAY NOT BE ADEQUATE, THEY OFTEN ARE ALL WE CAN TAKE AND CONTROL. THE REFORMS WE ARE UNDERTAKING SHOULD THEREFORE BE DIRECTED AT CREATING A MORE FAVORABLE CLIMATE FOR INVESTMENTS, IMPROVING COMPETITIVENESS, CAPACITY BUILDING AND FOSTERING A MORE STABLE AND ENCOURAGING ENVIRONMENT FOR CONSUMERS.
- WE ARE WORKING ON THE REVISIONS TO THE PHILIPPINE STANDARDIZATION. THIS IS PART OF A REVIEW THAT AIMS TO: ADDRESS THE INADEQUACY OF THE LAW ON GLOBALIZATION ISSUES; IMPLEMENT REGIONAL AND INTERNATIONAL AGREEMENTS ON

CONFORMITY ASSESSMENT; COMPLY WITH INTERNATIONAL PRACTICES; AND ENHANCE THE PROMOTION OF GLOBALLY-COMPETITIVE PRODUCTS AND SERVICES.

- WE HAVE BEEN WORKING WITH THE PRIVATE SECTOR TO PROMOTE PRODUCT STANDARDS DEVELOPMENT IN REGIONAL AND INTERNATIONAL STANDARDIZATION ACTIVITIES.
- WE ARE ALIGNING OUR PRODUCT CERTIFICATION SCHEME ACCORDING TO ISO/IEC GUIDE 65 TO FACILITATE THE EXCHANGE OF GOODS AND SERVICES. CONFORMANCE WITH THE GUIDELINE PROVIDES CONFIDENCE TO THE PRODUCT CERTIFICATION SCHEME TO ENTER INTO A MULTI-LATERAL RECOGNITION AGREEMENT (MLA) AMONG APEC COUNTRIES, WHICH WILL ULTIMATELY FACILITATE TRADE IN THE REGION.
- TO STRENGTHEN STANDARDS ENFORCEMENT, THE DTI ISSUED DEPARTMENT ADMINISTRATIVE ORDER (DAO) NO. 2 IN AUGUST THIS YEAR TO FURTHER DELINEATE RESPONSIBILITIES AND LIABILITIES OF THE PRIVATE SECTOR OF PRODUCTS COVERED BY MANDATORY STANDARDS CERTIFICATION. FEATURES OF THE DAO INCLUDE: PERIODIC SURVEY AND SAMPLING REQUIREMENT; PROVISION OF PENALTIES DEPENDING ON LEVEL OF OFFENSE; AND SPECIFIC DURATION AND STEPS IN ADJUDICATION OF CASES, AMONG OTHERS.
- TO ENSURE SAFETY AND PERFORMANCE OF IMPORTED PRODUCTS, DAO NO. 5 (12-2001) REVISED THE RULES AND REGULATIONS GOVERNING THE ISSUANCE OF IMPORT COMMODITY CLEARANCE. ITS FEATURES INCLUDE PRODUCT TRACEABILITY AND IDENTIFICATION. THIS EFFECTIVELY PREVENTS THE ENTRY OF

SUBSTANDARD PRODUCTS INIMICAL TO CONSUMER WELFARE AND SAFETY.

- JUST ABOUT A HALF HOUR AGO, WE LAUNCHED THE PHILIPPINE PRODUCT SAFETY AND QUALITY FOUNDATION TO ASSIST THE GOVERNMENT IN ENSURING THAT PRODUCTS AND SERVICES AVAILABLE IN THE MARKET FOR CONSUMERS ARE AFFORDABLE AND WORTH THEIR VALUE-FOR-MONEY, ASIDE FROM BEING SAFE AND COMPLIANT WITH STANDARDS. THIS ENHANCES GOVERNMENT-PRIVATE SECTOR COORDINATION IN THE AREAS OF INDUSTRY COMPETITIVENESS ENHANCEMENT, MARKET MONITORING, AND RESOURCE CAPACITY BUILDING. THIS IS A NON-PROFIT AND NON-STOCK FOUNDATION COMPOSED OF INDUSTRY FEDERATIONS, CONSUMER ASSOCIATIONS, RETAILER ASSOCIATIONS, AND INDIVIDUAL INDUSTRY ASSOCIATIONS.
- TO ACCELERATE THE DEVELOPMENT OF PNS, WE HAVE MAPPED OUT A FIVE-YEAR PLAN CONSIDERING ITS COMMITMENTS TO INTERNATIONAL FORA AND AVAILABILITY OF RESOURCES. THE PLAN FEATURES THE ADOPTION OF A FAST-TRACK METHOD WHICH IS CALLED BPS DIRECTIVES.
  - MOREOVER, STANDARDIZATION PROGRAMS HAVE BEEN PREPARED FOR SPECIFIC PRIORITY PRODUCT GROUPS UNDER THE 10 REVENUE STREAMS IDENTIFIED BY DTI. THESE INCLUDE WEARABLES, HOME FURNISHINGS, GIFTWARE AND HOLIDAY DECORS CONSTRUCTION MATERIALS, AND MOTOR VEHICLE PARTS AND COMPONENTS.

- 
- IN ORDER TO ACHIEVE OUR OBJECTIVES WITH REGARD TO PRODUCT STANDARDS, WE NEED TO GEAR UP OUR ORGANIZATION. PARTICULARLY THE BPS, AND OUR HUMAN RESOURCE THROUGH A MORE EFFECTIVE PROGRAM OF STANDARDS PROMOTION EDUCATION AND TRAINING, AS WELL AS ADMINISTRATIVE REMEDIES AND PROGRAM ADJUSTMENTS.

#### CONCLUSION

- STANDARDS CREATE THE ENVIRONMENT FOR ECONOMIC STABILITY AND PROVIDE A BENCHMARK FOR EFFICIENCY, EFFECTIVENESS AND PRODUCTIVITY.
- WE BELIEVE THAT THE DEVELOPMENT AND PROMOTION OF STANDARDS IS AN IMPORTANT COMPONENT OF OUR STRATEGIC THRUST TO PROMOTE CONSUMER WELFARE AND DEVELOP GLOBALLY COMPETITIVE PRODUCTS AND SERVICES.
- PRODUCT STANDARDS IS A DRIVER THAT WILL IMPEL FIRMS TO PRODUCE QUALITY AND SAFE PRODUCTS.
- IT IS A CHALLENGE FOR OUR BUSINESSMEN TO BLUR, IF NOT TOTALLY ERASE, THE DIVIDING LINE BETWEEN GOODS FOR THE LOCAL AND THE EXPORT MARKETS. LOCAL PRODUCERS CANNOT AFFORD TO ALOCATE NOT-SO-GOOD PRODUCTS FOR THE LOCAL MARKET BECAUSE WHAT WOULD BE IN THE RETAIL OUTLETS WOULD BE PRODUCTS FROM OTHER COUNTRIES THAT ARE OF "EXPORT QUALITY".
- FINALLY, AS WE MOVE FORWARD WITH OUR DEVELOPMENT AGENDA, ESPECIALLY FOR STANDARDS, THE DTI WILL CONTINUE TO ADDRESS



THE CHALLENGES OF THE TIMES. WE COMMIT THAT THE DTI WILL SUSTAIN A FOCUSED CONSULTATIVE PROCESS WITH THE PRIVATE SECTOR SO THAT WE WILL BE ABLE TO KEEP ABREAST WITH THE PULSE OF THE TIMES AND RESPOND IN A TIMELY MANNER TO YOUR INTEREST AND CONCERNS.

- CONGRATULATIONS TO THE NEWLY-INDUCTED OFFICERS OF THE PHILIPPINE PRODUCT SAFETY AND QUALITY FOUNDATION (PPSQF)! THE SUCCESS OF YOUR ORGANIZATION WILL MEAN SUCCESS FOR OUR INDUSTRIES AND CONSUMERS!
- MY SINCEREST THANKS TO ALL OF YOU WHO JOINED US TODAY.
- MABUHAY TAYONG LAHAT!

*Office of Policy Research*  
12.10.02



**Revised Rules and Regulations Concerning the Philippine Standard  
(PS) Quality and/or safety Certification Mark Scheme**



**REPUBLIC OF THE PHILIPPINES**  
**KAGAWARAN NG KALAKALAN AT INDUSTRIYA**  
 (Department of Trade and Industry)  
 Trade and Industry Building  
 361 (Buendia) Sen Gil. J. Puyat Avenue Makati City 3117



P.O. Box 3328, Makati Commercial Center

Tel. 890-49-01/Fax: 890-48-86

**DEPARTMENT ADMINISTRATIVE ORDER  
NO. 01, SERIES OF 1997**

**SUBJECT**                    **REVISED RULES AND REGULATIONS CONCERNING THE  
PHILIPPINE STANDARD (PS) QUALITY AND/OR SAFETY  
CERTIFICATION MARK SCHEME**

Pursuant to Section 7 (3), Chapter 2, Book IV of the 1987 Administrative Code; Republic Act 4109; Republic Act 7394; Executive Order No. 133: 1987; Executive Order No. 101: 1976; and Executive Order No. 913:1983; the following rules and regulations governing the licensing of local and foreign companies to use the Philippine Standard (PS) Quality and/or Safety Certification Mark are hereby promulgated for the guidance of all concerned.

**1. SCOPE**

- 1.1 This Department Administrative Order prescribes the rules and regulations on the licensing of local and foreign companies to use the Philippine Standard (PS) Quality and/or Safety Certification Mark.

**2. DEFINITIONS**

For purposes of this Order, the following definitions shall apply:

- 2.1 Accreditation - The procedure by which an authoritative body gives formal recognition, under duly established guidelines and rules, that a body or person is competent to carry out specific tasks.
- 2.2 Accredited Laboratory - A testing laboratory formally recognized under established procedures for its competence to carry out specific tasks.
- 2.3 Audit - A systematic and independent examination to determine whether quality activities and related results conform to planned arrangements effectively and are suitable for a company to achieve its quality objectives.
- 2.4 Auditor - A person who is qualified and authorized to perform all or any portion of a factory and product audit for purposes of product certification and is registered with BPS or with an international registration body.
- 2.5 Applicant - A company that seeks a license to use the PS Quality and/or Safety Certification Mark.

- 2.6 BPS - Bureau of Product Standards
- 2.7 Certificate of Accreditation - A document signed by the Director of BPS issued to an accredited testing laboratory or inspection body.
- 2.8 Certification Body - An organization that conducts certification of conformity.
- 2.9 Certification of Conformity - An independent system establishing, after satisfactory factory and product audits, that adequate confidence is provided by a manufacturer that its identified product meets the requirements of a standard.
- 2.10 Conformity - Fulfillment of requirements of a standard
- 2.11 Director - Director of the BPS
- 2.12 DTI - Department of Trade and Industry
- 2.13 Inspection - Evaluation of conformity by measuring, observing or testing the relevant characteristics of a product.
- 2.14 Inspection Body - An organization that performs inspection services on its own or on behalf of BPS' conformity audit purposes.
- 2.15 International/Foreign Standard - a standard developed by ISO (International Organization for Standardization), IEC (International Electrotechnical Commission) or other international or foreign standards body which may be accepted by BPS for purposes of the PS Quality and/or Safety Certification Mark Scheme.
- 2.16 License - A document issued by BPS to a company, authorizing its use of the PS Quality and/or Safety Certification Mark on its products.
- 2.17 Licensee - A company granted by BPS a license to use the PS Quality and/or Safety Certification Mark.
- 2.18 Non-Conformity - The non-fulfillment of requirements of a standard.
- 2.19 Philippine National Standard - The standard promulgated by the BPS relating to product specifications, test methods, terminologies and standardization procedures, guidelines or practices.
- 2.20 Philippine Standard (PS) Quality and/or Safety Certification Mark Scheme - A system using the PS Quality and/or Safety Mark as proof of certification of conformity to quality and safety standards.
- 2.21 PS Quality and/or Safety Certification Mark - A mark of conformity appearing on a product.
- 2.22 Registration - A procedure by which the BPS recognizes and indicates the relevant qualifications of a company or person for a

specific task in a publicly available list, after an evaluation of such qualifications under duly established guidelines.

- 2.23 Standard - A Philippine National Standard, international or foreign standard which is used as a basis for evaluating an applicant's quality control system and product for purposes of the PS Quality and/or Safety Certification Mark Scheme.
- 2.24 Surveillance Audit - Periodic evaluation of a licensee's quality control system to determine the conformity of its products to a specific standard and terms and conditions of the license.
- 2.25 Testing Laboratory - A laboratory which measures, examines, or determines the characteristics or performance of materials or products. It may also be a laboratory that calibrates inspection, measuring and test equipment.
- 2.26 Test Method - A defined technical procedure to determine one or more specified characteristics of materials or products.

### 3. AUTHORITIES AND RESPONSIBILITIES OF THE BPS

- 3.1 Formulate Philippine National Standards or adopt as Philippine National Standards relevant international or foreign standards/guides for purposes of licensing of local and foreign companies to use the PS Quality and/or Safety Certification Mark, accreditation of testing, inspection and/or certification bodies, and registration of auditors.
- 3.2 Promote, through publications, seminars and trainings, the wide adoption in the Philippines of Philippine National Standards.
- 3.3 Promulgate, consistent with this Order, programs, guidelines and procedures for the implementation of PS Quality and/or Safety Certification Mark Scheme. The Director of the Bureau of Product Standards is authorized to issue said guidelines and procedures, and their amendments.
- 3.4 Designate officially recognized counterpart National Standards Bodies, inspection and/or certification bodies.
- 3.5 Undertake Memorandum of Understanding (MOU) and/or Mutual Recognition Arrangement (MRA) with counterpart National Standards Bodies, inspection and/or certification bodies to conduct audit of foreign companies relative to PS Quality and/or Safety Certification Mark Scheme.
- 3.6 Conduct, through or in coordination with DTI Regional/Provincial Offices, or in the case of foreign companies in coordination with the BPS, officially recognized counterpart National Standards Bodies, inspection and/or certification bodies, conformity audit, surveillance audits of companies and market monitoring relative to the PS Quality and/or Safety Certification Mark Scheme.

- 3.7 Grant a company, which meets the requirements of a specific standard and of this Order, the License to use the PS Quality and/or Safety Certification Mark.
- 3.8 Collect fees for audit, testing and certification services, and charges to be paid by applicant or licensed companies to cover travelling, board and lodging of auditors performing official assignments under this Order, freight charges for the transport of product samples to laboratories for testing and purchase of market samples.
- 3.9 Specify the rules governing the design and use of the PS Quality and/or Safety Certification Mark.
- 3.10 Suspend, withdraw or cancel for cause the license to use the PS Quality and/or Safety Certification Mark.
- 3.11 Require the preparation and submission of relevant documents to determine compliance by the licensee with the rules and regulations relative to the production, sale and disposition of goods, covered by the license.
- 3.12 Accredite, using international (ISO/IEC) guides, testing, inspection and/or certification bodies to conduct conformity audit of companies relative to the PS Quality and/or Safety Certification Mark Scheme.
- 3.13 Register auditors who are qualified to conduct conformity audits.
- 3.14 Maintain and publish a registry of the following:
  - 3.14.1 Companies licensed to use the PS Quality and/or Safety Certification Mark.
  - 3.14.2 Accredited testing, inspection and/or certification bodies.
- 3.15 Maintain and make available for public information a registry of qualified auditors.
- 3.16 Ensure confidentiality of all information received and gathered relative to the PS Quality and/or Safety Certification Mark Scheme, except upon orders of a court of competent jurisdiction.
- 3.17 Participate in regional and international activities for the continuous upgrading of the competence of auditors and of the PS Quality and/or Safety Certification Mark Scheme.
- 3.18 Negotiate, consistent with Philippine laws and international agreements, for the recognition of the PS Quality and/or Safety Certification Mark by foreign/international certification or accreditation bodies.

#### 4. APPLICATION FOR LICENSE

- 4.1 The application for the license to use the PS Quality and/or Safety Certification Mark shall be made in triplicate on BPS Form PS/SF01, obtainable from BPS or DTI Regional/Provincial Offices or BPS officially recognized counterpart National Standards Bodies, inspection and/or certification bodies.
- 4.2 The application shall include an undertaking by the applicant to abide by the terms and conditions of the license.
- 4.3 The application shall be duly subscribed and sworn to by the applicant, or his duly authorized management representative, and shall be filed with BPS or DTI Regional/Provincial Office, which has jurisdiction over the area where the factory of the applicant is located. Foreign companies can file their applications to BPS or BPS officially recognized counterpart National Standards Bodies, inspection and/or certification bodies which has either existing MOU or MRA with the BPS.
- 4.4 An application, and the eventual license, shall be standard- and site-specific. Separate applications shall be made for products covered by separate standards. Likewise, separate applications shall be filed for same products but manufactured at different plant sites.
- 4.5 The application shall be supported by information about the company and its capability to manufacture products consistently conforming to the requirements of a specific standard in the form of a Quality Manual.
- 4.6 The applicant shall make available to the Director, or his duly designated representative, such information and product samples as may be required for the evaluation of its application for the PS Quality and/or Safety Certification Mark, or for the periodic audit of its quality management system and product(s).
- 4.7 Audit work shall be undertaken by BPS or DTI Regional/Provincial auditors. In case of foreign companies only auditors who are registered with the BPS National Registration Scheme for Quality Assessors (NRSQA) or BPS officially recognized Registration Bodies for auditors can undertake audit.
- 4.8 After evaluation, if BPS finds that an applicant consistently conforms to a specific standard and meets other requirements of the license to use the PS Quality and/or Safety Certification Mark, the Director shall approve the application and issue the corresponding license.
- 4.9 The license shall take effect from the date of its issue and shall be in full force and effect for an indefinite period, subject to a minimum annual re-audit. At any time, the license can be suspended, withdrawn or cancelled for cause.

5. THE PHILIPPINE STANDARD (PS) QUALITY AND/OR SAFETY CERTIFICATION MARK

- 5.1 The design of the PS Quality and/or Safety Certification Mark shall be in accordance with the illustration in Annex 1.
- 5.2 The PS Quality and/or Safety Certification Mark shall be affixed on the product covered by the license. In case marking or stamping of the PS Quality and/or Safety Certification Mark on the product is not possible, the Mark shall appear on the package of the product.
- 5.3 The PS Quality and/or Safety Certification Mark affixed on a product or its package may be enlarged or reduced to an appropriate size, provided that its dimensions conform to the specifications in Annex 1.
- 5.4 The PS Quality and/or Safety Certification Mark shall not be used on a product not covered by the license and in any misleading manner.
- 5.5 The licensee shall not use the PS Quality and/or Safety Certification Mark if its license has been suspended, withdrawn or cancelled for cause.

6. SUSPENSION, WITHDRAWAL OR CANCELLATION OF LICENSE

- 6.1 A license granted under this Order may be suspended, withdrawn or cancelled on any or all of the following grounds:
  - 6.1.1 That the product bearing the PS Quality and/or Safety Certification Mark fails to conform to the requirements of a specific standard through surveillance audit and market monitoring among others.
  - 6.1.2 That the licensee fails to comply with the terms and conditions of the license.
  - 6.1.3 That the licensee made false statements in connection with its application for or maintenance of the license.
  - 6.1.4 That the licensee violates any of the provisions of this Order.
  - 6.1.5 That the licensee violates any of the trade and industry laws enumerated under Ministry Order No. 69, Series of 1983, as amended.
- 6.2 Notwithstanding the preceding provisions, the Director may direct that the matter of suspension, withdrawal or cancellation shall be adjudicated under E.O. 913: 1983.
- 6.3 The license shall be suspended, withdrawn or cancelled after the Director has served the licensee a notice of his intention to do so, stating therein the grounds for the contemplated action, granting the licensee the opportunity to be heard within fifteen (15) days from the date the notice has been received by the licensee.

The letter of DTI to DBM (13 May, 2002)



13 May 2002

**Honorable Emilia T. Boncodin**  
Secretary  
Department of Budget and Management  
Manila

Dear Secretary Boncodin:

The Bureau of Product Standards (BPS) is mandated to raise the quality and global competitiveness of Philippine products, foster consumer and environmental protection, and instill standards and quality consciousness among the Filipino consumers. BPS generates revenue by making available to its clients ISO 9000 implementation; product certification and testing; accreditation; and Import Commodity Clearance licensing.

In connection with the above, we would like to request your approval for the retention of 25% of BPS revenues. BPS intends to utilize the 25% retained revenues to fund urgent needs of the Bureau to continue providing excellent services to its clientele.

BPS under Section 10 of Republic Act 4109 (Philippine Standards Law) is entitled to retain 25% of all receipts and collections accruing from the enforcement of R.A. 4109 and its rules and regulations on inspection and certification. The funds can be utilized for disbursement for salaries, wages, sundry and other expenses, furniture and equipment of such additional personnel as may be needed and required to intensify or extend the activities and services of the Bureau. We are attaching herewith a copy of R.A.4109 for your perusal.

Further, BPS has generated revenues of Php12.6 M, and Php15.8 M for the years 1999 and 2000, respectively. BPS contributes about 70% to 75% of the total DTI revenues. We are attaching herewith the Summary of Report of Collections of DTI for 1999 and 2000.

Received by: *[Signature]*

DEPARTMENT OF BUDGET AND MANAGEMENT

2002 JUN -3 P 1:44

4th Floor, Industry and Investments Building, 385 Sen. Gil Puyat Avenue, Makati 1200 Philippines  
Tel. Nos. (632)899-7450; Fax No. (632)896-1186; <http://www.dti.gov.ph>; e-mail: [MARoxas@boi.gov.ph](mailto:MARoxas@boi.gov.ph)

*[Handwritten signature]*

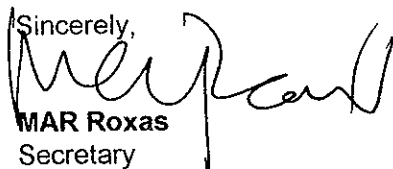
*[Handwritten signature]*

We estimate that an amount of Php7.1 M (25% retention of revenue for the past 2 years) will be made available to BPS if DBM will approve its request for revenue retention. BPS intends to utilize the 25% retained revenues for the following:

1. Restoration / Refurbish of BPS Office. The BPS office located at the 3<sup>rd</sup> floor, DTI Building #361 Sen. Gil Puyat Avenue, Makati City caught fire last December 22, 2000. Unfortunately, all BPS office furniture and fixtures, and equipment were razed by the fire and/or water damaged. GSIS insurance covered only the purchase of computer equipment. To restore other office equipment, furniture and fixtures, conference and office tables, BPS needs the amount of Php3.25 M. Attached is the estimate of the restoration/refurbishing of the BPS office for your perusal and information.
2. Funds in the amount of Php3.85 M is also needed to augment maintenance and operating expenses (MOE). The breakdown of MOE are as follows:
  - ♦ Standards Promotion and Development - Php 1.0 M
  - ♦ Product Certification - Php 1.0 M
  - ♦ Product Testing - Php 1.0 M
  - ♦ Implementation of Product quality and safety schemes - Php .85 M

We hope to continue our partnership towards our common purpose of a more prosperous and progressive Philippines.

With all my good wishes for you.

Sincerely,  
  
**MAR Roxas**  
Secretary  
*ref. order*





REPUBLIC ACT NO. 4109

AN ACT TO CONVERT THE DIVISION OF STANDARDS  
UNDER THE BUREAU OF COMMERCE INTO A BUREAU  
OF STANDARDS, TO PROVIDE FOR THE STANDARDIZA-  
TION AND/OR INSPECTION OF PRODUCTS AND IN-  
PORTS OF THE PHILIPPINES AND FOR OTHER PUR-  
POSES

Be it enacted by the Senate and House of Representatives of the  
Philippines in Congress assembled:

SECTION 10. Twenty-five per centum of all receipts and collections accruing from the enforcement of this Act and the rules and regulations on inspection and certificate of inspection and standard shall be set aside and be available for disbursement for salaries, wages, sundry and other expenses, furniture, and equipment of such additional personnel as may be needed and required to intensify or extend the activities and services of the Bureau. Any amount thus set aside, or so much thereof as may be needed for the intensification or extension of activities and services, shall be itemized in special budget to be approved by the President upon recommendation of the Secretary of Commerce and Industry; and any such special budget thus approved shall be incorporated in the draft of the regular budget for the ensuing fiscal year for the consideration of the Congress in its regular or special session. Unitemized and unexpended balances of amounts thus set aside shall be cumulative from year to year, and shall constitute a special fund to be called "Philippine Standardization and Inspection Fund" to be used for the purposes herein stated, and for such other aims and projects as may render the services of the Bureau efficient and effective.

SECTION 11. All Acts, executive orders, administrative orders and proclamations or parts thereof inconsistent with any of the provisions of this Act is hereby repealed or modified accordingly. If any part of this Act shall, for any reason, be adjudged by any court of competent jurisdiction to be invalid, such judgment shall not affect the remainder thereof, but shall be confined in its operation to the part directly involved in the controversy in which such judgment shall have been rendered.

SECTION 12. Effectivity. This Act shall take effect upon its approval.

Approved, June 20, 1964.

Consumer Related Laws of the Philippines  
page 147  
76-12-08/epf

CERTIFIED XEROX COPY:

*from a xerox copy*  
*sublelemente*  
RAQUEL M. CLEMENTE  
Records Officer IV

*cert. 1/27/89*

**Priority Equipment and MOOE needed for BPSTC under the DTI  
Wish List 2002**



**PRODUCT  
STANDARDS**

**MEMORANDUM**

**FOR :** Assec. Armin B. Raquel-Santos  
Assistant Secretary  
Management Support Services Group

**THRU:** Usec. Adrian S. Cristobal Jr.  
Undersecretary  
Consumer Welfare and Trade Regulations Group

**SUBJECT:** Priority Equipment and MOOE needed for BPS Testing Center  
under the DTI Wish List 2002

**DATE :** 15 October 2002

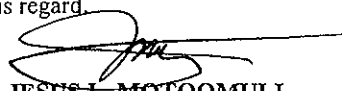
We are respectfully submitting to you the priority budget needed in the amount of P1.68M, to support the implementation of the BPS Product Safety and Quality Testing Enhancement Program as follows:

<b>Capital Outlay:</b>	
10-ton Universal Testing Machine for Steel Bars Testing	-Php 75,000
Fabrication of Load Testing Apparatus	- 100,000
Fabrication of Microwave oven door endurance Test System	- 100,000
Fabrication of Television CRT Test System	- 150,000
Computer Equipment	- 355,000
Network Server	- 150,000
<b>Total Capital Outlay</b>	<b>-Php930,000</b>
<b>MOOE:</b>	
Supplies	-Php450,000
Office Equipment Maintenance	- 100,000
Training / Seminar	- 75,000
Other Services	- 125,000
<b>Total MOOE</b>	<b>-Php750,000</b>
<b>Total Capital Outlay and MOOE</b>	<b>-Php1,680,000</b>

The budget request is part of the total amount of budget requested by the BPS in the amount of P3.495M which was earlier submitted to your good office.

For the request of the capital outlay, we have already forwarded the Requisition Issue Vouchers (RIVs) to Mr. Claudio Averilla, DTI Supply Division, GAS.

Thank you for your appropriate action on this regard.

  
**JESUS L. MOTOOMULL**  
Director

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## MEMORANDUM

**FOR** : **Assec. ARMIN B. RAQUEL-SANTOS**  
Assistant Secretary  
Management Support Services Group

**SUBJECT** : **CWTRG - DTI Wish List 2002**



**DATE** : 20 September 2002

---



We are respectfully submitting the CWTRG - DTI Wish List 2002 with the budget requirement as enumerated below:

1. **BPS - Product Safety and Quality Testing Enhancement Program** - **Php3,495,000**
  - Capital Outlay - Php2,745,000
  - MOOE - 750,000
  - Php3,495,000
  
2. **BTRCP Hotline / Call Center** - **Php2,561,446**
  - Capital Outlay - Php2,137,588
  - MOOE - 423,858
  - Php2,561,446
  
3. **BTRCP Hearing Room** - **Php2,013,534**
  - Capital Outlay - Php 899,400
  - MOOE - 1,114,134
  - Php2,013,534

Attached herewith are the documents for your information and appropriate action.

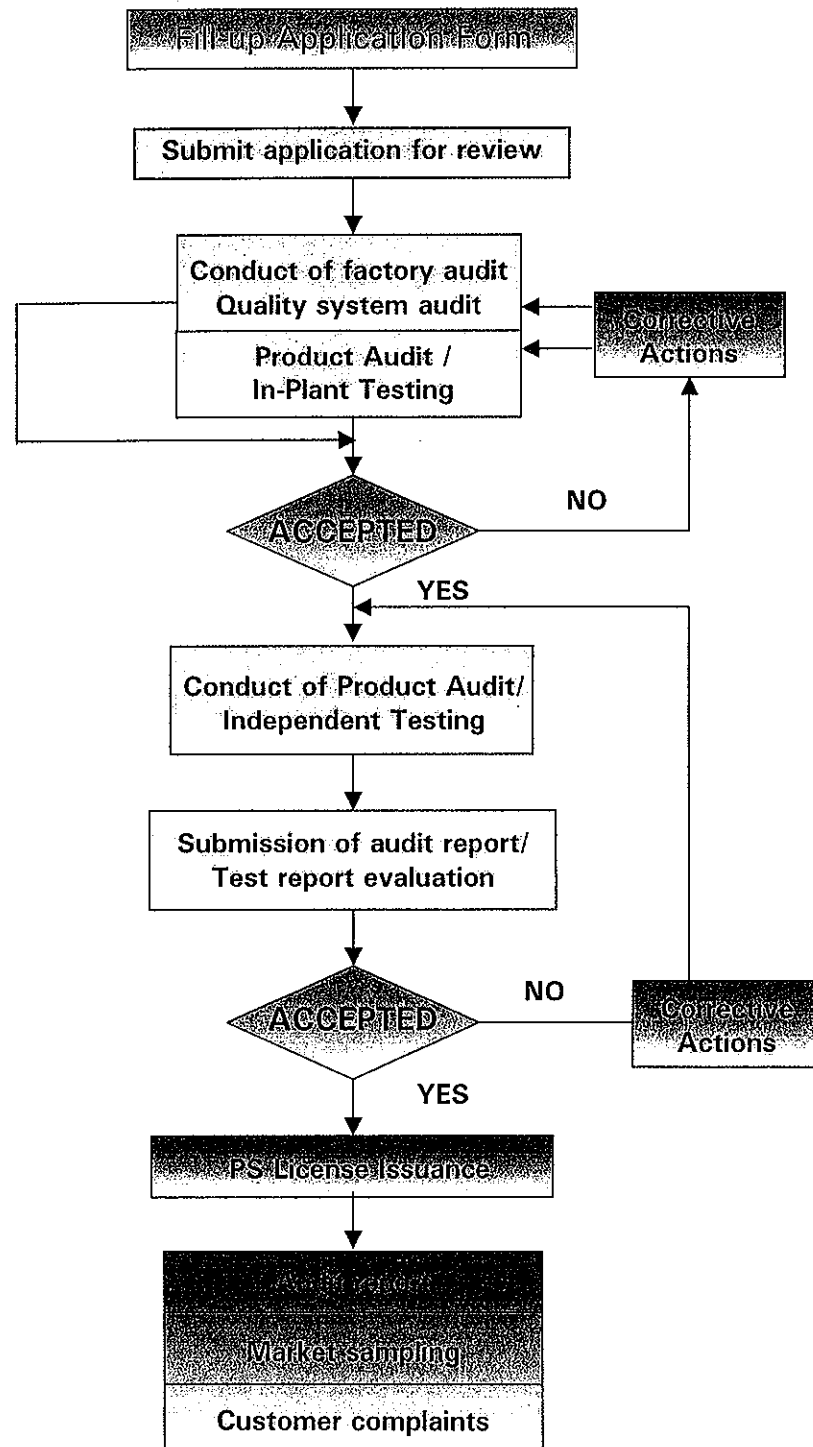
  
**JESUS L. MOTOOMULL**  
OIC, CWTRG 

Cc: Mila P. Gabriel, FMS Caretaker



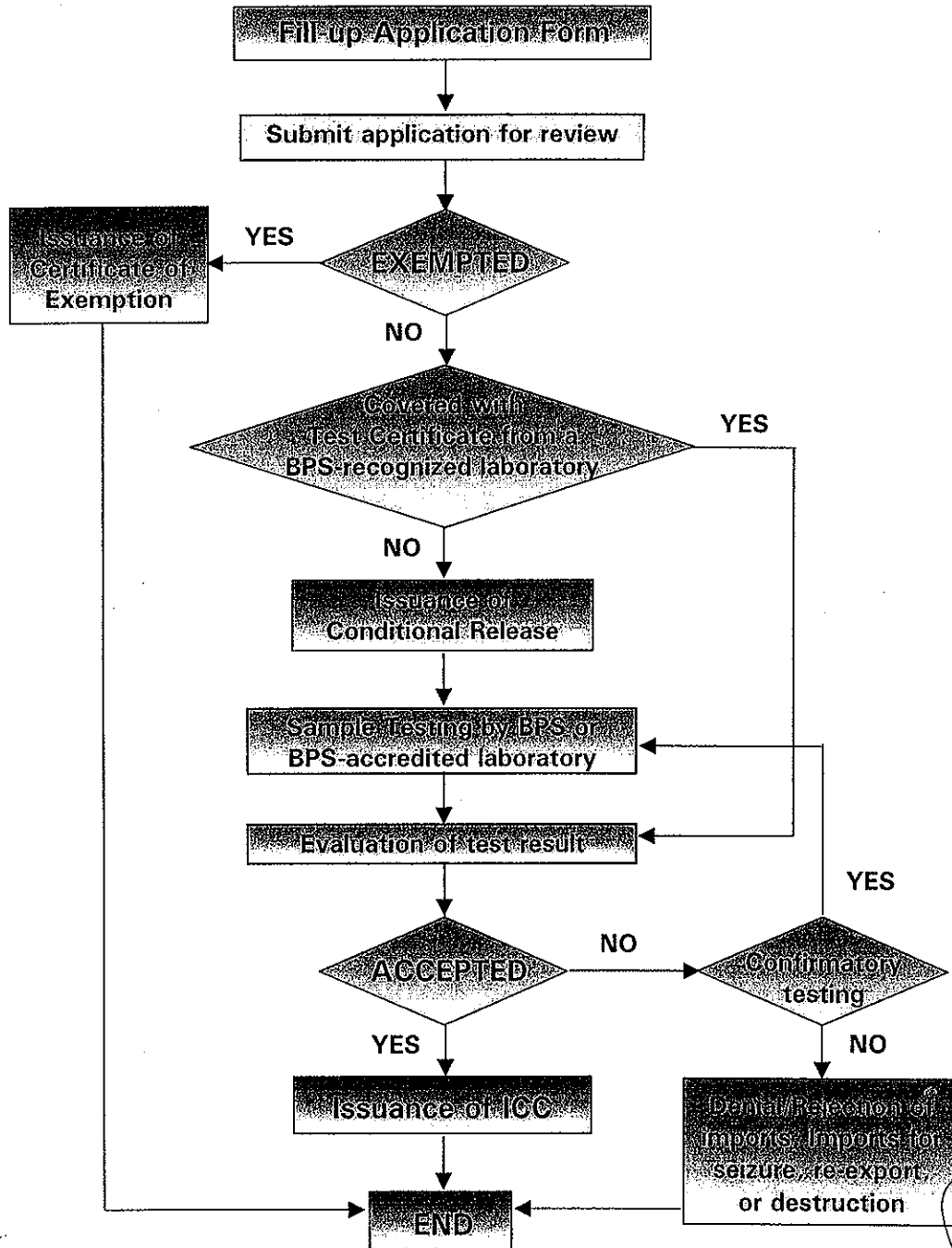


# PS CERTIFICATION SCHEME Flow Chart





# ICC Certification Scheme Flow Chart



ANNEX 45

Transferred Technology for Appliances to C/Ps in Comparison with Declared Mandatory for Appliances

Calendar Year	Transferred Technology for Appliances to C/Ps	Declared Mandatory for Appliances	Total Number of Declared Mandatory
As of 1998	Project had not started yet.	Electric Flat Iron (1997) / PNS 254-1 :1994 Electric Fans (1992) / PNS / IEC 60335-2-80 Room Air conditioners (1991) / PNS / IEC 60335-2-40	69
1999	Electric Flat Iron / IEC60335-3-2 Electric Rice Cooker / IEC60335-2-15 Electric Coffee Maker / IEC60335-2-15	Refrigerators and Freezers / PNS / IEC 60335-2-24 Electric Rice Cooker (1998) / PNS 255	75
2000	Electric Instantaneous Water Heater / IEC60335-2-35 Electric Oven / IEC60335-2-6 Electric Storage Water Heater / IEC60335-2-21 Electric Toaster (Pop-up type) / IEC60335-2-9 Electric hairdryer / IEC60335-2-23 Electric Immersion Water Heater / IEC60335-2-74	Electric Instantaneous Water Heater (1999) / PNS/IEC60335-2-35 Electric Cooking Range (1999) / PNS /IEC60335-2-6 Kitchen Machine (1999) / PNS 1244 Washing Machine (1999) / PNS/IEC60335-2-7 Vacuum Cleaners (1999) / PNS1169 Microwave Ovens (1999) / PNS/IEC335-2-25	75
2001	Electric Fan / IEC335-2-80 Electric Washing Machine with Spin Extractor/ IEC60335-2-7 Room Air Conditioner / IEC335-2-40 Juice Blender / IEC335-2-14 Electronic Vacuum Cleaner without Current-carrying Hose / IEC335-2-2 AC Adapter for Electronic Appliances (Transformer) / IEC 65 AC Adapter for Electronic Appliances (Switch-mode) / IEC 65 VTR, VCR / IEC 65 Amplifier / IEC 65	Electric Fan / PNS / IEC60335-2-80 Motor Compressor / PNS / IEC60335-2-34 Portable Immersion Water Heater / PNS / IEC60335-2-74 Electronic Appliances (IEC65) / PNS256 Range Hoods / PNS / IEC335-2-31 Massage Appliances / PNS / IEC60335-2-32	87
2002 as of October	Microwave Ovens with heater / IEC335-2-25 Component System / IEC 65 Radio Cassette tape Recorder / IEC65	Electric Storage Water Heater / IEC60335-2-21 / PNS1558 Electric Ironer / PNS1679 Spin Extractor / PNS1680	87

Remarks:

1. Some appliances has been in the mandatory list for the past 4 years but certification has yet to be implemented due to lack of test facilities.
2. Some appliances were taken off the mandatory list due to changes in the standard.
3. For electronic appliances where technology has been completely transferred to C/Ps, the mandatory standards are applied gradually.

**List of Products under Mandatory Certification as of April 2002**

**LIST OF PRODUCTS UNDER MANDATORY CERTIFICATION  
As of April 2002**

PNS No.	TITLE
1. <b>PNS 03-1:2000</b>  <i>Revision</i> Supersedes PNS 03:1992	Steel cylinders for liquefied petroleum gas (LPG) - Part 1 : Specification
2. <b>PNS 03-2:2000</b>  <i>Revision</i> Supersedes PNS 03:1992	Steel cylinders for liquefied petroleum gas (LPG) - Part 2 : Method of requalification
3. <b>PNS 03-3:2000</b>  <i>Revision</i> Supersedes PNS 03:1992	Steel cylinders for liquefied petroleum gas (LPG) - Part 3 : Requirements for repair
4. <b>PNS 06:1987</b>	Lead Acid storage batteries - Specification
5. <b>PNS 07:2000</b>  <i>Reissue</i> Supersedes PNS 07:1992	Portland cement - Specification
6. <b>PNS 09-1:2000</b>  Supersedes PNS 09:1994	Safety matches - Part 1 : Safety matches for commercial purposes - Specification
7. <b>PNS 12-1:1996</b> <b>Amd. 02:1997</b> (IEC 920:1990 Amd. 01:1993 Amd. 02:1995)	Ballast for tubular fluorescent lamps - General and safety requirements
8. <b>PNS 12-2:1996</b> <b>Amd. 01 &amp; 02:1997</b> (IEC 921:1990 Amd. 01:1990 Amd. 02:1994)	Ballast for tubular fluorescent lamps - Performance requirements

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PRODUCT  
STANDARDS**

PNS No.	TITLE
9. PNS 13:1999 (UL 198B:1995)  Supersedes PNS 13:1983	Class H Fuses - Specification
10. PNS 14:1983 Amd. 01:1987	Unplasticized polyvinyl chloride (uPVC) electrical conduit - Specification
11. PNS 25:1994	Pneumatic tires - Specification
12. PNS 26:1992	Steel - Black and hot-dipped zinc coated (galvanized) longitudinally welded steel pipes (for ordinary use) - Specification
13. PNS 34:2000  Supersedes PNS 34:1990	Rubber inner tubes for pneumatic tires - Specification
14. PNS 35:1996	Electric wires and cables - PVC insulated electric copper wire and cables - Specification
15. PNS 38-1:1995 (IEC 432-1:1993 Amd. 01:1995)	Safety specifications for incandescent lamps - Part 1 : Tungsten filament lamps for domestic and similar general lighting purposes
16. PNS 38-2:1995 (IEC 64:1993)	Tungsten filament lamps for domestic and similar general lighting purposes - Part 2 : Performance requirements
17. PNS 42:1997 (IEC 400:1996)	Lampholders for tubular fluorescent lamps and starterholders - Specification
18. PNS 45:1997 Amd. 01:1997 (IEC 155:1993/ Amd. 01:1995)	Glow-starters for fluorescent lamps
19. PNS 47:1998 (ISO 9994:1995)	Lighters - Safety specification
20. PNS 49:2000  <i>Reissue</i> Supersedes PNS 49:1991	Steel bars for concrete reinforcement - Specification

\* - for implementation

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**BUREAU OF  
PRODUCT  
STANDARDS**

PNS No.	TITLE
21. PNS 55:1986	High density polyethylene (PE) pipes for potable water supply - Specification
22. PNS 56:1996 (ANSI/UL 512:1992)  Supersedes PNS 56:1988	Fuseholders - Specification
23. PNS 57:1996 (UL 20:1995)	Snap switches for general use - Specification
24. PNS 63:1987 Amd. 01:1988 Amd. 02:1989	Cement - Pozzolan cement - Specification
25. PNS 65:1993	Unplasticized polyvinyl chloride (uPVC) pipes for potable water supply - Specification
26. PNS 67:2000  <i>Reissue</i> Supersedes PNS 67:1986	Galvanized steel sheets and coils - Specification
27. PNS 79:1992	Pressure sensitive adhesive polyvinyl chloride (PVC) tapes for electrical insulation - Specification
28. PNS 80:1997 (IEC 238:1996)	Edison screw lampholder - Specification
29. PNS 100:1993 * (AS 2658:1988)	Liquefied petroleum (LP) gas - Portable and mobile appliances
30. PNS 103:1987	Medical grade oxygen in cylinders - Specification
31. PNS 105:1986 *	Ballast for high pressure mercury vapor lamp - Specification
32. PNS 118:1992  Supersedes PNS 118:1988	Knife switches - Specification
33. PNS 130:1988 Amd. 01:1998	Safety glass for automotive application - Specification

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**BUREAU OF  
PRODUCT  
STANDARDS**

PNS No.	TITLE
34. PNS 135-1:1997 (IEC 928:1995-02)	AC supplied electronic ballasts for tubular fluorescent lamps Part 1 : General and safety requirements
35. PNS 135-2:1993 Amd. 01 & 02:1997 (IEC 929:1990 Amd. 01:1996 Amd. 02:1996)	AC supplied electronic ballasts for tubular fluorescent lamps Part 2 : Performance requirements
36. PNS 136:2000  <i>Revision</i> Supersedes PNS 136:1987	Steel - Wire nails - Specification
37. PNS 152:1987	Polybutylene (PB) pipes for potable water supply - Specification
38. PNS 156:2000  <i>Supersedes</i> PNS 156:1992	Sanitary wares - Specification
39. PNS 163:1994	Electrical products - Polyvinyl chloride insulated flexible cords - Specification
40. PNS 189:2000  <i>Reissue</i> Supersedes PNS 189:1988	Lighting sets using miniature and sub-miniature lamps for decorative purposes for indoor use - Specification
41. PNS 196:2000  <i>Reissue</i> Supersedes PNS 196:1992	Plywood - Specification
42. PNS 211:2000  <i>Reissue</i> Supersedes PNS 211:1995	Rerolled steel bars for concrete reinforcement - Specification

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**BUREAU OF  
PRODUCT  
STANDARDS**

PNS No.	TITLE
43. PNS 239/MVSS 116:1988  DOT 3,4,5	Motor vehicle brake fluids - Passenger cars, multi-purpose passenger vehicles, trucks, buses and motorcycles and brake fluid containers - Specification  Specification for motor vehicle brake fluid
44. PNS 240:1998 Amd. 01:1998 (ISO 5151:1994)	Non-ducted air conditioners and heat pumps - Testing and rating for performance
45. PNS 254-1:1994 Amd. 01:2000 (IEC 335-2-3:1993 Amd. 01:2000)	Safety of household and similar electrical appliances - Part 2 : Particular requirements for electric irons
46. PNS 255:1996 (IEC 335-2-15:1995)	Safety of household and similar electrical appliances Part 2 : Particular requirements for appliances for heating liquids
47. PNS 256:1999 * (IEC 65:1995)  Supersedes PNS 256:1990 (IEC 65:1985)	Household appliances - Mains-operated electronic appliance - Safety requirements
48. PNS 272:1996 * (IEC 335-2-9:1993)	Safety of household and similar electrical appliances Part 2 : Particular requirements for toasters, grills, roasters and similar appliances
49. PNS 396-1:1998	Household appliances - Energy efficiency ratio (EER) and labeling requirements - Part 1 : Non-ducted airconditioners
50. PNS 396-2:1997 Amd. 01:2000	Household appliances - Energy efficiency factor (EEF) and labeling requirements - Part 2 : Refrigerators and freezers
51. PNS 519:1991	Circuit breakers - Moulded case - Specification
52. PNS 603-1:1993 (IEC 968:1988)	Lamps - Self-ballasted lamps for general lighting services - Part 1 : Safety requirements
53. PNS 603-2:1993 (IEC 969:1988)	Lamps - Self-ballasted lamps for general lighting services - Part 2 : Performance requirements

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**BUREAU OF  
PRODUCT  
STANDARDS**

PNS No.	TITLE
54. PNS 1079:1994 (IEC 335-1:1991 Amd. 01:1994)	Safety of household and similar electrical appliances - Part 1 : General requirements
55. PNS 1169:1993 * (IEC 335-2-2:1993)	Safety of household and similar electrical appliances - Part 2 : Particular requirements for vacuum cleaners & water suction cleaning appliances
56. PNS 1244:1994 * (IEC 335-2-14:1984)	Safety of household and similar electrical appliances - Part 2 : Particular requirements for kitchen machines
57. PNS 1261:1995 (IEC 901:1992)	Single-capped fluorescent lamps - Performance specification Section 1 : General
58. PNS 1328:1996 * (IEC 598-1:1992)	Luminaires - Part 1 : General requirements and tests
59. PNS 1478:1998 *	Furniture - Monobloc chair, monobloc stool and plastic table - Specification
60. PNS 1485-1:1996 Amd. 01 & 02:1996 (IEC 669-1:1993/ Amd. 01:1994 Amd. 02:1995)	Switches for household and similar fixed-electrical installations Part 1 : General requirements
61. PNS 1486-1:1996 (IEC 884-1:1994)	Plugs and socket-outlets for household and similar purposes Part 1 : General requirements
62. PNS 1558:1997 * Amds. 01,02,03:1997 (IEC 335-2-21:1989/ Amd. 01,02:1990/ Amd. 03:1992)	Safety of household and similar electrical appliances - Part 2 : Particular requirements for storage water heaters
63. PNS 1572:1997 (IEC 83:1975)	Plugs and socket outlets for domestic and similar general use standards
64. PNS 1573-2:1997 * (IEC 947-2:1995)	Low-voltage switchgear and controlgear - Part 2 : Circuit-breakers
65. PNS 1574:1997 * (IEC 1048:1991)	Capacitors for use in tubular fluorescent and other discharge lamp circuits - General and safety requirements

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**BUREAU OF  
PRODUCT  
STANDARDS**

PNS No.	TITLE
66. <b>PNS 1575:1997 *</b> (IEC 1049:1991)	Capacitors for use in tubular fluorescent and other discharge lamp circuits - Performance requirements
67. <b>PNS 1679:1998 *</b> (IEC 335-2-44:1987)	Safety of household and similar electrical appliances Part 2 : Particular requirements for electric ironers
68. <b>PNS 1680:1998 *</b> (IEC 335-2-4:1993)	Safety of household and similar electrical appliances Part 2 : Particular requirements for spin extractors
69. <b>PNS 1829:1999</b> (JIS C 8336:1991)	Electrical products - Boxes for rigid metal conduits
70. <b>PNS 1892:2000</b>	Road vehicles - Safety-belts and restraint systems - Specification
71. <b>PNS ISO 5923:2000</b> (ISO published 1989)  Supersedes PNS 15-3:1991	Fire protection - Fire extinguishing media - Carbon dioxide
72. <b>PNS ISO 7165:2000</b> (ISO published 1999)  Supersedes PNS 15-1:1989 PNS 15-2:1989 PNS 15-3:1991 PNS 15-4:1991 PNS 15-5:1996	Fire fighting - Portable fire extinguishers - Performance and construction
73. <b>PNS ISO 7202:2000</b> (ISO published 1987)  Supersedes PNS 15-1:1989	Fire protection - Fire extinguishing media - Powder
74. <b>PNS ISO 7203-1:2000</b> (ISO published 1995)  Supersedes PNS 15-4:1991	Fire extinguishing media - Foam concentrates - Part 1 : Specification for low expansion foam concentrates for top application to water-immiscible liquids
75. <b>PNS ISO 7203-3:2000</b> (ISO published 1999)  Supersedes PNS 15-4:1991	Fire extinguishing media - Foam concentrates - Part 3 : Specification for low expansion foam concentrates for top application to water-miscible liquids

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**BUREAU OF  
PRODUCT  
STANDARDS**

PNS No.	TITLE
76. PNS IEC 60335-2-6:2000 * (IEC published 1997)  Supersedes PNS 1258:1994	Safety of household and similar electrical appliances Part 2 : Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances
77. PNS IEC 60335-2-7:2000 * (IEC published 1998)  Supersedes PNS 214-1:1994	Safety of household and similar electrical appliances Part 2-7 : Particular requirements for washing machines
78. PNS IEC 60335-2-24:2000 (IEC published 1999)  Supersedes PNS 219-1:1995	Safety of household and similar electrical appliances Part 2-24 : Particular requirements for refrigerating appliances and ice-makers
79. PNS IEC 335-2-25:2000 * (IEC published 1995)  Supersedes PNS 1292:1995	Safety of household and similar electrical appliances Part 2 : Particular requirements for microwave ovens
80. PNS IEC 335-2-31:2000 * (IEC published 1995)	Safety of household and similar electrical appliances Part 2 : Particular requirements for range hoods
81. PNS IEC 335-2-32:2000 * (IEC published 1993)	Safety of household and similar electrical appliances Part 2 : Particular requirements for massage appliances
82. PNS IEC 335-2-34:2000 * (IEC published 1998)	Safety of household and similar electrical appliances Part 2 : Particular requirements for motor compressors
83. PNS IEC 60335-2-35:2000 * (IEC published 1997)  Supersedes PNS 1559:1997	Safety of household and similar electrical appliances Part 2-35 : Particular requirements for instantaneous water heaters
84. PNS IEC 335-2-40:2000 * (IEC published 1995)  Supersedes PNS 253:1990	Safety of household and similar electrical appliances Part 2 : Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

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**BUREAU OF  
PRODUCT  
STANDARDS**

PNS No.	TITLE
85. PNS IEC 335-2-74:2000 * (IEC published 1994)	Safety of household and similar electrical appliances Part 2 : Particular requirements for portable immersion heaters
86. PNS IEC 60335-2-80:2000 * (IEC published 1997)  Supersedes PNS 134-1:1994	Safety of household and similar electrical appliances Part 2 : Particular requirements for fans
87. PNS IEC 60081:2001  Supersedes PNS 02:1994 (IEC 81:1984 Amd. 05:1994)	Double-capped fluorescent lamps - Performance specifications

\* - for implementation

Prepared by:

JOEL RYAN B. ESTARES  
Information Services

Reviewed by:

CORAZON I. CASTRO  
Chief, Standards Development

Approved by:

CIRILA S. BOTOR  
Assistant Director

Noted by:

Ma. VICTORIA S. CAMPOMANES  
Chief, Information Services

NORMA C. HERNANDEZ  
Chief, Product Certification

JESUS L. MOTOOMULL  
Director

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Enquiry Point for WTO Technical Barriers to Trade

**PHILIPPINE PRODUCT SAFETY AND QUALITY FOUNDATION  
(PPSQF)**

**I. BACKGROUND/ RATIONALE**

The Philippine market for goods and services has undergone dramatic changes since the Philippines' accession as a member of the World Trade Organization (WTO) in 1995. As a WTO member country, the Philippines has advocated an open and transparent investment and trade liberalization and facilitation policies. As such, the Philippine market environment has been transformed from a sellers' market to a buyers' market. With the free flow of goods and services from other countries, Filipino consumers have a wide array of choices of high quality products and services at very reasonable prices. The Filipino consumers have become very discriminating in their choices of products and services and, when properly organized and supported, can become a powerful monitor against substandard quality..

Confronted with this phenomenon, Philippine industries need to be globally competitive to grow in a highly competitive market environment. Philippine industries must continually innovate and test their products and services in an increasingly discriminating local market. They have to make available products and services which can consistently satisfy their customers' requirements or else competitors, both from domestic and foreign countries will fill the gap, thereby eating into their established market shares

An equally important development in a phenomenon in a free and open trading market environment is the increasing possibility of the entry of sub-standard and unsafe products. This situation can happen if government, industries and consumers are not vigilant. In the recent past, it can be observed that many products, e.g. tires, cement, steel bars, etc. have been imported into the Philippine market and are found to be not complying with the safety and quality specifications of the Philippine National Standards (PNS). While government efforts have been devoted to put up measures to ensure that these unsafe and sub-standard products are checked, destroyed or re-exported to the country of origin, some sub-standard products still find its way into the Philippine market. This could be attributed to the limited government resources, particularly in manpower and funds, to monitor the market. Another factor that contributes to unchecked unsafe products is the practice of unscrupulous businessmen. Their motive of short term profit prevail thereby sacrificing the welfare of consumers. This mal-practice however can not be sustained if the consumers will report these to the proper



authorities and ultimately punish them in the marketplace by not patronizing these unsafe and sub-standard products.

With the preceding developments, the Consumer Welfare and Trade Regulations Group (CWTRG) of the Department of Trade and Industry is proposing a Private Public Partnership project (3 Ps) through the establishment of the Philippine Product Safety and Quality Foundation (PPSQF). The PPSQF can serve as a vehicle to ensure that Filipino consumers will be adequately afforded with the value of their money by undertaking joint government and industry cooperation in the areas of industry competitiveness enhancement, market monitoring and human resource capacity building.

The success of the PPSQF will depend on the commitment of Philippine industries to help government monitor the proliferation of unsafe and/or sub-standard products and to ensure that only products and services, which comply with the safety and quality requirements of Philippine National Standards will be made available to the Filipino consumers. As such, Philippine industries will ensure that they use internationally accepted practices such as Standards Based Management Systems (SBM) to consistently satisfy their customers.

## **II. VISION/MISSION**

It is envisioned that the PPSQF will be a renowned non-profit and non-stock foundation recognized in providing Philippine Industries highest quality resource of quality programs and projects and assist in making available resources to ensure that only safe and reliable products will be made available in the Philippine market.

In line with its vision, the PPSQF is committed to provide the following assistance and services:

- a) promote the understanding and use of the principles and methods among its members of Standards Based Management Systems to include among others: ISO 9000:2000; ISO 14000, QS 9000, Total Quality Management;
- b) promote collaborative approaches between industry associations and the DTI field offices and the Bureau of Product Standards (BPS) in order to expand quality/environmental management practices in the Philippines;

- c) provide the resources needed and undertake joint market monitoring activities of concerned industry associations and the DTI field offices/BPS;
- d) support the human resource capability building program to ensure technical competence of the personnel of member associations in carrying out their functions in ensuring consumer welfare.
- e) Provide technical assistance and information services to consumer groups which include the monitoring of quality of industrial goods and services among their main program of activities.

### **III. PPSQF STRUCTURE**

The PPSQF will be established with representatives from industry federations, consumer associations, retailer associations and individual industry associations supportive to the objectives of the Foundation. They will act as the incorporators of the Foundation. Among the representatives, initially five (5) will be selected by the incorporators to compose the Board of Trustees, two (2) from industry federations, one (1) from consumer association, one (1) from retailer association and one (1) from industry association at large. The Board of Trustees will be the highest policy making body of the Foundation.

To manage the daily operations of the PPSQF, an Executive Director will be hired and will report directly to the Board of Trustees. With him, three (3) technical staff and one (1) technical secretary will be hired as support staff to carry-out the daily operational needs of the Foundation. Meanwhile, the Executive Director and technical staff will be taken from existing manpower resources of industry associations.

The Executive Director will be responsible to manage the following:

1. Industry Competitiveness Enhancement Group
2. Market Monitoring Group
3. Human Resource Capability Building Group

*Please see Annex A for Organizational Structure*

The Office of the Foundation will be temporarily housed at the DTI Building, Makati City.

#### IV. PPSQF COMPONENTS

##### I. COMPONENT 1: INDUSTRY COMPETITIVENESS ENHANCEMENT GROUP

The PPSQF will act as catalyst and will establish networking with existing organizations which are engaged in advocacy, making the Philippine industry competitive both in domestic and foreign markets.

The PPSQF in this regard, will establish linkages with the Philippine Quality Award Foundation in the conduct of trainings, seminars, conferences, and fora. Further linkages shall also be established with Philippine Society for Quality, Inc., Development Academy of the Philippines, Philippine Quality Productivity Movement, Philippine Trade Training Center, etc. so that trainings/seminars, etc. be conducted to benefit the members of the PPSQF and to meet their objectives for global competitiveness.

PPSQF will establish Service Centers (SCs) to ensure that training programs and other activities are made available to member industry associations. The following SCs will be organized:

**SC1 : Training and Consultancy**

To provide training and consultancy relative to SBM, e.g. TQM, Quality Management Systems, QS 9000, ISO 9000, Organizational Health and Safety 18000, Environmental Management Systems (ISO 14000)

**SC2 : Scholarship**

Local and foreign assisted trainings; benchmarking

**SC3 : Promotions**

Promotions of training through mass media – radio and television, and conduct of fora and symposia to different groups (i.e. academe, industry, barangays, etc.)

**SC4 : Library and Publications**

Establishment of quality related publications and materials for the Foundation and the public for program improvement/development.

SC5 : Customer Service Call Centers

Provision of business like center assistance through research and development; survey; office activities and assistance such as secretariat and conference management.

## 2. COMPONENT 2: MARKET MONITORING GROUP

PPSQF will establish a market monitoring group that will monitor specific products that are reported to be unsafe and/or sub-standard and/or not complying with packaging and labeling requirements. The industry association members will provide funds to support and implement the market monitoring and enforcement activities. The funds will include the expenses for buying product samples, testing fees and travel expenses, etc. The funds provided by the associations will be channelled to the PPSQF to sustain the market monitoring and enforcement activities.

Products found to be unsafe and/or sub-standard (not compliant to the safety/quality requirements of the PNS) will be referred to DTI or to the appropriate DTI field offices so that appropriate administrative charges will be filed against the violators.

The Foundation shall forge a Memorandum of Agreement with the Non-Governmental Organization or Free Legal Aid Organizations to support the legal needs of the Foundation.

## 3. COMPONENT 3: HUMAN RESOURCE CAPABILITY BUILDING GROUP

The PPSQF will coordinate with the training outfits, e.g. PTTC, DAP, PSQI, PQPM, etc., to ensure the technical competence of the personnel of the member associations in carrying out their functions. Funds shall be made available to support the capability building program activities.

## V. PROPOSED BUDGET

The PPSQF to be established will require an initial budget of Pesos 425,500.40). The breakdown of the budget is as follows:

### A. Pre-Operating Expenses

Registration of the Foundation	P 1,100.00	
Bank Initial Deposit	<u>100,000.00</u>	P101,100.00

### B. Operating Expenses

Technical Secretary		
P10,000.00/mo	P120,000.00	
Benefits to include SSS, 13 <sup>th</sup> month pay, Bonus Pag-ibig and PhilHealth	28,900.40	
Miscellaneous Expenses		
P10,000.00/mo.	<u>120,000.00</u>	268,900.40

### C. Capital Outlay


Computer with printer	50,000.00	
1 unit telephone with line and e-mail subscription	<u>4,500.00</u> <u>1,000.00</u>	55,500.00

In order to cover the initial budgetary requirements of the Foundation, the entry and annual fees will be as follows:

1. Entry fee	P 15,000.00
2. Annual fee	25,000.00

The entry fee will be paid for by federations and industry associations. The annual fee will be paid by the industry associations which will benefit the most out of the Foundation's activities.

The annual fee shall be reviewed by the Board of Trustees as the participants to the Foundation will increase. In the review, the Board will consider the annual



operational needs of the Foundation and the number of participants to the Foundation, to raise the necessary budgetary requirements.

Also, to sustain the budgetary requirements of the Foundation, the Board will pursue the following options to augment the funds of the Foundation:

1. Foreign aid assistance from foreign financial institutions through trainings, grants and other project aids.
2. Subsidize Training/Consultancy Fees to include In-House Training, Public Awareness Seminars on SBM.
3. Fund Raising Campaign
  - 3.1 Sponsorship and Solicitation
  - 3.2 Dinner with a Cause
  - 3.3 Selling of product items
4. Sales from publications, seminars and other services
5. Contributions and dues from Incorporators and member industry associations.

Cbm/mtz.09.10.02

# **PPSQF** Philippine Product Safety and Quality Foundation

3/F DTI Bldg., 361 Sen. Gil J. Puyat Avenue, Makati City

## Board of Trustees

<u>Name</u>	<u>Organization</u>
1. Meneleo Carlos, Jr.	Federation of Philippine Industries
2. Francis Chua	Federation of Filipino-Chinese Chamber of Commerce & Industry, Inc.
3. Jimmy Tang	Phil. Chamber of Commerce and Industry
4. Felix Enrico Alfiler	Phil. Cement Manufacturers Corp.
5. Leonardo Chua	Phil. Assn. of Electrical Industries, Inc.
6. Antonio C. Olizon	Phil. Wood Producers Assn.
7. Lourdes Casas-Quezon	National Federation of of Women's Clubs

## Officers

Acting Chairman:	Mr. Meneleo Carlos, Jr.
Acting Treasurer:	Mr. Leonardo Chua
Acting Secretary:	Ms. Kathleen S. Lior
Acting Executive Director:	Mr. Lupo V. Feliciano

## Members

<u>Name</u>	<u>Organization</u>
1. Alfiler, Felix Enrico F.	Phil. Cement Manufacturers Corp.
2. Aseniero, Joselito C.	Phil. Liquefied Petroleum Gas Assn.
3. Carlos, Meneleo, Jr.	Federation of Philippine Industries
4. Chan, Mariano A.	Phil. Nail Manufacturers Assn.
5. Chua, Leonardo	Phil. Assn. of Electrical Industries, Inc.
6. Chua, Francis	Federation of Filipino-Chinese Chamber of Commerce & Industry Inc.
7. Lior, Kathleen S.	Chamber of Cosmetics Industry of the Phils.
8. Malagkit, Ofelia M.	Cosmetic Toiletry & Fragrance Assn. of the Phils.
9. Olizon, Antonio C.	Phil. Wood Producers Assn.
10. Pedro, Bernardo de	Tire Manufacturers Assn. of the Phils., Inc.
11. Pingol, Miguel	Phil. Assn. of Battery Manufacturers, Inc.
12. Quezon, Lourdes Casas	National Federation of Women's Clubs
13. Sanchez, Abraham V.	Phil. Electric Wire Manufacturers Assn.
14. Supetran, Alfonso	Soap and Detergent Assn. of the Phils.
15. Tang, Jimmy	Philippine Chamber of Commerce & Industry
16. Tang, Robinson	Federation of Electrical & Electronic Suppliers and Manufacturers Assn. of the Phils.
17. Yao, Roberto	PVC Pipes Producers and Dealers Assn.

Post Activity Report of the 2<sup>nd</sup> Consumer Trade Fair**POST ACTIVITY REPORT**

1. Title: **2<sup>nd</sup> Consumer Trade Fair**
2. Date: **09 – 13 October 2002**
3. Venue: **Megatrade Hall 1, 5<sup>th</sup> Level, Building B, SM Megamall, Mandaluyong City**
4. Exhibitors: **87**

	No. of Companies	No. of booths
4.1 BPS	46	54
4.2 BSMED	37	39
4.3 BDT	2	2
4.4 BTRCP	1	1
4.5 DOE	1	3
<b>Total</b>	<b>87</b>	<b>99</b>

5. **BPS JICA Exhibit**
  - 5.1 BPSTC – JICA participated in this fair. They bought along with them several testing equipment such as drop test for flat iron and others. There were actual demonstrations on how to conduct the test.
  - 5.2 A Seminar on Electrical Appliance Safety was conducted and participated by 120 persons.
  - 5.3 Promo materials were given away among viewers such as hats, fans, bags, balloons, party hats with PS and ICC Mark logo.
  - 5.4 They published an advertisement at Manila Bulletin on October 4, 2002. This is clipped in exchange for special prices.
6. **Sales Generated: Php 1,720,178.85**
  - 6.1 Out of 87 exhibitors, 25 just exhibit their products.
  - 6.2 Top seller is Samsung Electronics with a sale of Php 168,051.
7. **Opening Program**
  - 7.1 The Ceremonial Opening was held on 10 October 2002. Guest included Hon. Harry C. Angping, Chairman, House of Committee on Trade and Industry; Hon. Robert Jaworski, Chairman, Senate Committee on Trade and Industry; Usec. Adrian S. Cristobal, Jr. and Mr. John Lesaca.
  - 7.2 Recognition Awards were given to Best Consumer Welfare Desks/Business/Industry Associations.



8. Special Events

8.1 E-Reklamo Showcase – October 9, 2002

8.2 BPS TC Seminar on Electrical Appliance Safety – October 9 and 12, 2002 – about 120 persons attended.

8.3 CWTRG-PEP Talk – October 11, 2002 – about 63 persons attended.

9. Special Prizes/Raffles were given to the following

1<sup>st</sup> Prize – Industrial Electric Fan – Jean Mirambel

2<sup>nd</sup> Prize – Gas Stove – Shatelle Suzara

3<sup>rd</sup> Prize – Stand Fan – S.B. Mirasol

10. Working Committee

The CWTRG –PEP Working Group acted as the secretariat. An info kit was prepared specifically as guide for the fair.

11. Evaluation

According to feedback from exhibitors, the 2<sup>nd</sup> Consumer Trade Fair is generally successful based on the number of viewers who saw the fair. Some companies were able to acquire new clients and inquires about their products started to come in even after the fair. The exhibition serves as an advertising tool and the venue is appropriate since it is accessible to people from all walks of life.

**2<sup>nd</sup> Consumer Trade Fair**  
**09-13 October 2002**

**Theme: Empowering Consumers, Enabling Business**

**I. OBJECTIVES**

1. To promote the products duly recognized by the appropriate agencies of the DTI (BPS, PSB, BIS, BSMED)
2. To educate the public on the importance of the Philippine Standard Quality and/or Safety Marks
3. To promote quality and safe products (local and imported) that will give consumers the best value for their money
4. To promote the product standards to companies in order to enhance business in the country

**II. PRODUCT FOCUS:**

The products/services to be exhibited must have any of the following: PS Mark for products locally manufactured, ICC Mark for imported items, required and standard measurements/dimensions for wearable items, BFAD Certificates for food items, or ISO Certificates for services.

Products may include the following:

- Construction materials
- Home appliances
- Seatbelts, batteries, lighters
- Automotive glass
- Fire extinguishers; LPG cylinders
- Monobloc chairs, tables
- Music and video CDs
- Food
- Wearables (fine jewelry, footwear, branded garments)
- Medicines, cosmetics, consumer items, candles, soaps

Services may include the following:

- Freight forwarding
- Accredited laboratories
- ISO certified companies

**III. PARTICIPATION FEE**

A fee of P7,500 will be charged for a 2 x 2 sq. m. booth and P9,000 for 3 x 3 sq. m. booth. Participation fees will be paid in full upon submission of application forms.

#### IV. PARTICIPANTS

The following bureaus have committed to generate participants/exhibitors to the 2<sup>nd</sup> Consumer Trade Fair:

BPS	:	31 participants
BSMED	:	43 participants
BTRCP Info booth	:	3 booths
		<hr/>
Total	:	77

#### V. COMMITTEES

The corresponding bureaus will handle the following committees:

Participation	:	BPS
Publicity/Promotion	:	BSMED
Physical Arrangement	:	BSMED
Registration	:	BTRCP
Program and Special Events	:	BPS
Warehousing	:	PSB
Sales Documentation	:	BIS
Logistics	:	BSMED
Sponsorship	:	Office of USEC Cristobal

#### VI. SIDE/SPECIAL EVENTS

<i>Event</i>	<i>Date</i>
<ul style="list-style-type: none"><li>• E-Reklamo Showcase and Web-Enabled BNRS launching</li><li>• Launching of Book on Fair Trade Laws</li><li>• Launching of Trade Association Directory</li></ul>	09 October
<ul style="list-style-type: none"><li>• BPSTC Seminar on Electrical Appliance Testing Safety</li></ul>	10 & 12 October
<ul style="list-style-type: none"><li>• CWTRG PEP Talk</li></ul>	11 & 12 October

#### VII. BUDGET

The proposed budget for the 2<sup>nd</sup> Consumer Trade Fair is P859, 075.40.

#### IX. EXPECTED RESULTS

1. Awareness of consumers on the various quality and safe products available to them;
2. Knowledge of the services offered by the CWTRG Bureaus;
3. Manufacturers to comply with the Philippine National Standards for their products and services to be more globally competitive;



**Quality Manual BPSTC**

**Title: Procedure for Equipment Maintenance**

<b>QUALITY MANUAL BPS TESTING CENTER</b>	<b>Section LP0802</b>	
	<b>Page 1</b>	<b>of 3</b>
<b>Title: PROCEDURE FOR EQUIPMENT MAINTENANCE</b>	<b>Issue No. 0</b>	
	<b>Date Issued</b>	<b>09 May 1997</b>

**1. RESPONSIBILITY**

The Head of the Maintenance and Calibration Group is responsible for the effective implementation of maintenance activities.

Engineers assigned by the Head of the Maintenance and Calibration group shall conduct the maintenance activities.

**2. EQUIPMENT MAINTENANCE PLAN**

2.1 The Maintenance and Calibration group decide on the following item:

- a. equipment that should be maintained
- b. items to be check
- c. frequency and schedule
- d. engineer in charge

In case of complicated maintenance procedure, the Manufacturer's operating manual shall be referred to.

Maintenance sheet (Form LF 0801) is accomplished by the Engineer-in-charge indicating the following information:

- a. equipment name
- b. code numbers
- c. maintenance items
- d. frequency of maintenance
- e. maintenance engineer
- f. date of maintenance
- g. remarks
- h. initials of maintenance engineer

<b>Prepared by:</b> Fernando P. Garrido III	<b>Reviewed:</b> 	<b>Approved:</b> 
<b>Date:</b> 01 February 1995	<b>Date:</b> 08 MAY 1997	<b>Date:</b> 5/19/97

Lp0802

<b>QUALITY MANUAL</b> <b>BPS TESTING CENTER</b>	Section LP0802	
	Page 2	of 3
<b>Title: PROCEDURE FOR EQUIPMENT</b> <b>MAINTENANCE</b>	Issue No.	0
	Date Issued	09 May 1997

All items in the maintenance sheet shall be checked. A check mark must be indicated across the item's column if the item is in normal condition. If minor problem is found and is corrected immediately, a check mark must be indicated and a remark must be stated in the REMARKS column.

2.2 If major problem is detected, an Incident Report Form(LF 1601) shall be filled up by the maintenance engineer, stating all the observations and immediate actions undertaken.

This report shall be immediately submitted to the Head of Maintenance and Calibration group for appropriate action. The Maintenance and Calibration Head shall indicate recommendations on the incident report form and submit it to the Laboratory Head for approval.

2.3 A ***maintenance schedule*** (LF 0802) shall be posted in each test room for monitoring.

The maintenance schedule indicates the following information:

- a. Name of equipment
- b. Maintenance engineer
- c. Maintenance schedule
- d. Frequency

Date must be written and initialized by the maintenance engineer after every maintenance activity.

### 3. UNSUITABLE EQUIPMENT

Upon detection of unsuitable equipment operation, maintenance engineer shall accomplish *incident report form (LF 1601)* to be submitted to the Head of Maintenance and Calibration Group. Maintenance and Calibration Head,

Prepared by:	Reviewed:	Approved:
Fernando P. Garrido III	<i>[Signature]</i>	<i>[Signature]</i>
Date: 01 February 1995	Date: 28 MAY 1997	Date: 5/9/97

Lp0802

<b>QUALITY MANUAL</b> <b>BPS TESTING CENTER</b>	<b>Section LP0802</b>	
	<b>Page 3</b>	<b>of 3</b>
<b>Title: PROCEDURE FOR EQUIPMENT</b> <b>MAINTENANCE</b>	<b>Issue No.</b>	<b>0</b>
	<b>Date Issued</b>	<b>09 May 1997</b>

Laboratory Head, together with the concerned maintenance engineer, shall discuss the report. If necessary, the actual equipment shall be physically inspected for confirmation.

Incident report together with the recommendation(s) of the Maintenance and Calibration Head shall be submitted to the Technical y Manager for action.

**3.1 In-House Repair**

Maintenance and Calibration Head shall designate an engineer to be in-charge of the repair. Engineer in-charge shall undertake the repair with due reference to the recommendations on the incident report. After repair, Engineer in-charge shall fill up *the ACTIONS TAKEN* and *REMARKS* section of the *Incident Report Form* and submit the said report to the Maintenance and Calibration Head.

**4. References**

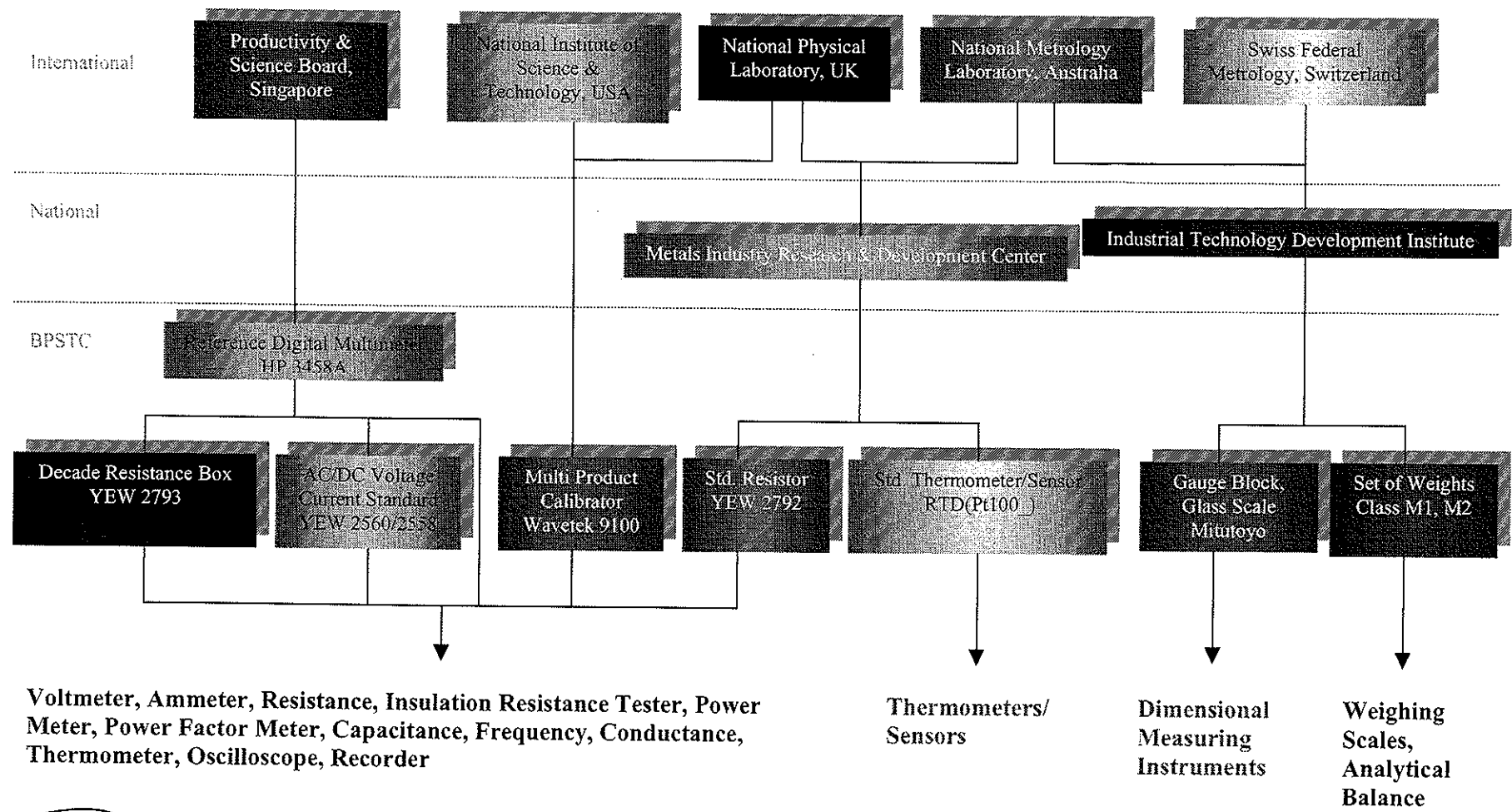
- LF 0801            Maintenance Sheet
- LF 1601            Incident Report Form
- LF 0802            Maintenance Schedule

<b>Prepared by:</b> Fernando P. Garrido III	<b>Reviewed:</b> 	<b>Approved:</b> 
<b>Date:</b> 01 February 1995	<b>Date:</b> 09 MAY 1997	<b>Date:</b> 5/14/97

Lp0802

*[Handwritten signature]*

### B P S T C MEASUREMENT TRACEABILITY CHART

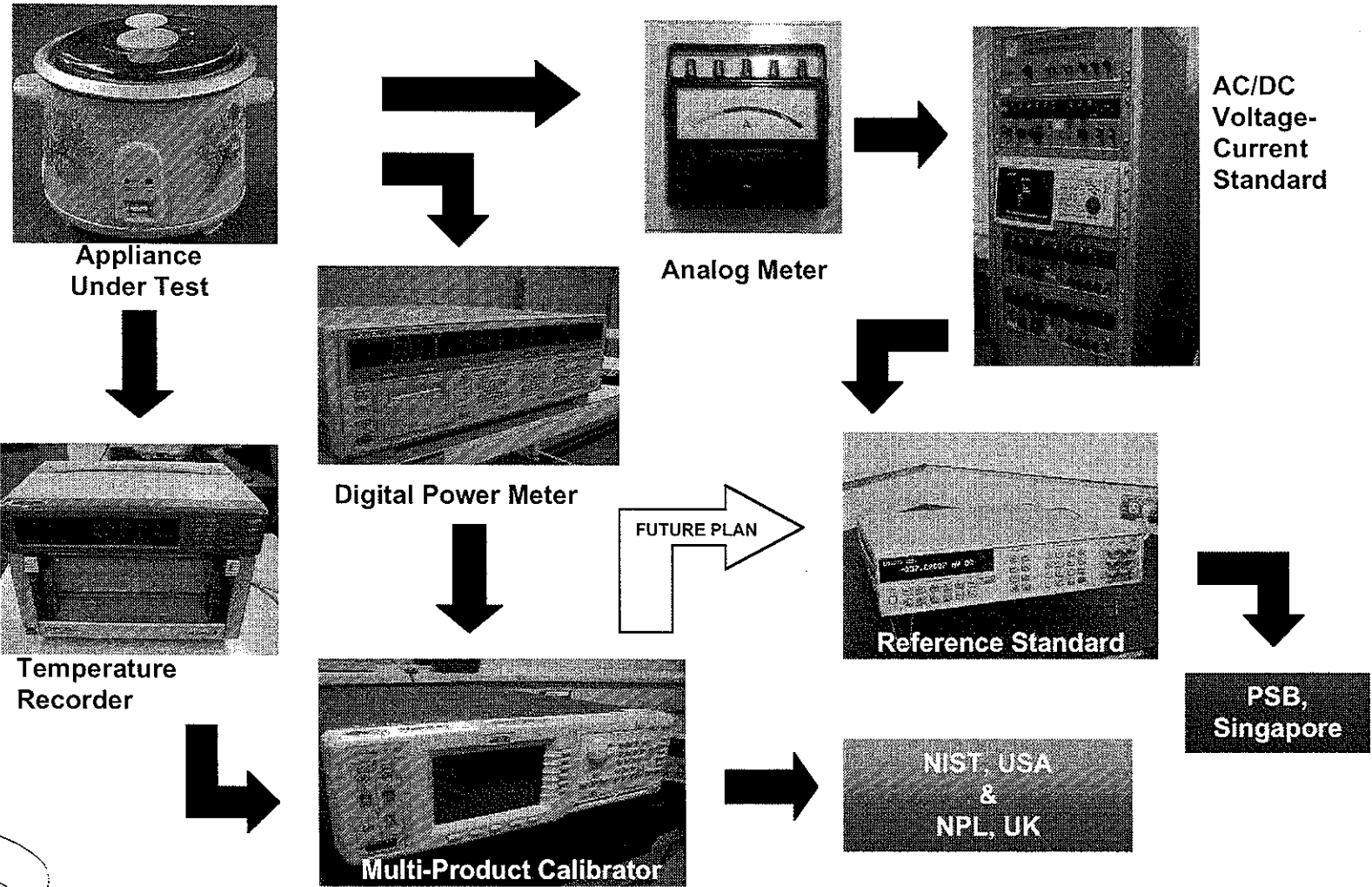


— 263 —

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ANNEX 50

# Traceability of Electrical & Temperature Measurements in Appliance Testing



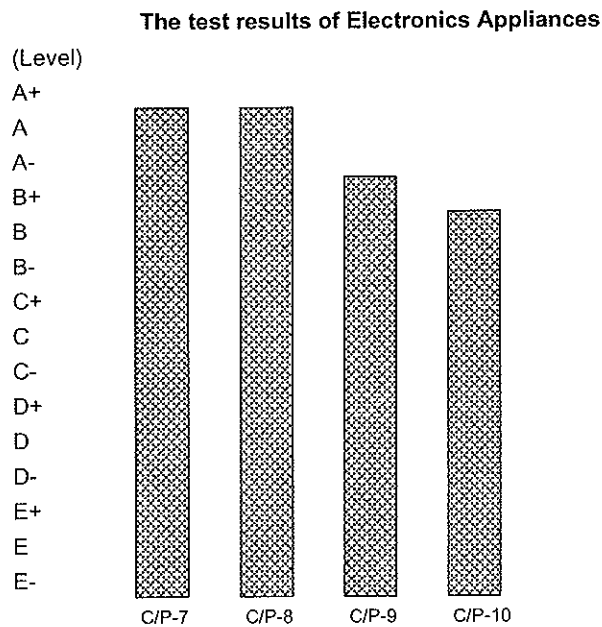
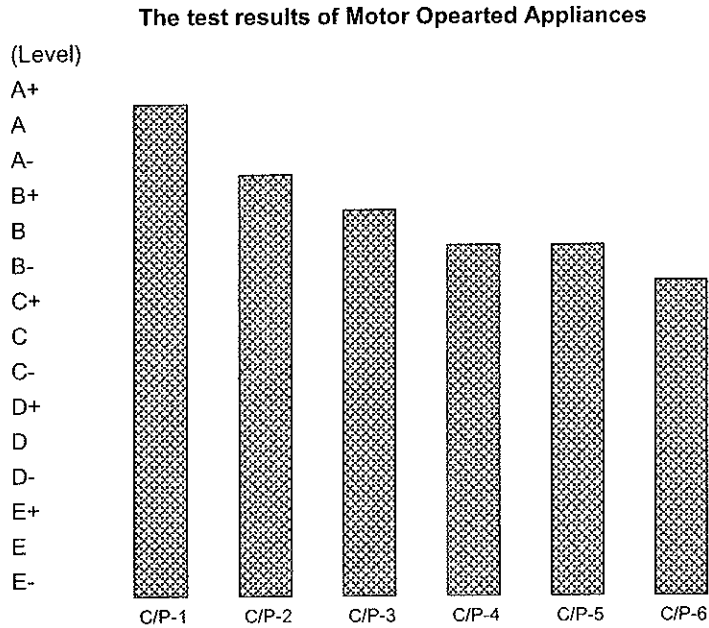


CALIBRATION COST FOR REFERENCE STANDARDS

FIELD	REFERENCE STANDARD	QUANTITY	CALIBRATION COST PhP	TOTAL CALIBRATION COST PhP	ANNUAL CALIBRATION COST PhP	FREQUENCY OF CALIBRATION
ELECTRICAL	HP 3458	1 set	108,000.00*	108,000.00	108,000.00	Every year
	WAVETEC 9100	1 set	53,000.00 (US\$1,000)	53,000.00	53,000.00	Every year
	Standard Resistor (YEW 2792)	10 pcs	2,200.00/pc	22,000.00	4,400.00	Every 5 years
TEMPERATURE	Digital Thermometer	1 set	1,400.00 / range (additional 420.00/range)	1,400.00	1,400.00	Every year
	RTD	1 pc	1,500.00/5 measuring points (additional 580.00/point)	2,080.00	2,080.00	Every year
LENGTH	MITUTOYO Gage Blocks	112 pcs	460/pc	51,520.00	10,304.00	Every 5 years
WEIGHT	Standard set of weights	11 pcs	56.00/pc (1g-200g)	616.00	123.20	Every 5 years
	ditto	4pcs	84.00/pc (>200g-2kg)	336.00	67.20	Every 5 years
OVERALL COST				238,952.00	179,374.40	

\* In year 2002, HP 3458 shall be sent to the HP U.S. Calibration Laboratory (Colorado) in order to obtain the complete calibration data which BPSTC requires for its calibration program. In 2003, the same HP 3458 shall be sent to the HP Calibration Laboratory in Singapore for the routine calibration at a cost of PhP64,000.00.

**The Rest Results of the C/Ps by the final evaluation team**



**Conclusion;**

As for IEC60335, though there is a difference in the test scores depending on the years of experience as a Direct C/P.

As for IEC60065, despite the 1.5 years, very short term for technical transfer, test resulted favorably because of the C/P experience of IEC60335

Judgnng from the fact that both of the C/Ps achieved the targeted score, their achievements are satisfactory. And in the interview, I was able to confirm each one of them acquired testing technique.

## Attendance of Discussion

**Philippine Side**

1. *Department of Trade and Industry*  
Mr. Adrian S. Cristobal, Jr. Under Secretary
  
2. *Bureau of Product Standards*  
Mr. Jesus L. Motoomull Director / Project Director  
Ms. Cirila S. Botor Assistant Director  
Mr. Gerardo P. Panopio Head of BPSTC / Project Manager  
Mr. Ramil R. Jurado Direct C/P  
Mr. Ariel R. Garcia Direct C/P  
Mr. Dax Julius A. Velmonte Direct C/P  
Mr. Jay V. Illescas Direct C/P  
Mr. Eusebio Manuel B. Urabano Direct C/P  
Mr. Ernesto G. Rufa Direct C/P  
Ms. Marisol C. Javier Direct C/P  
Mr. Rodelio Jose G. Fernandez Direct C/P  
Mr. Bernard S. Biala Direct C/P  
Mr. Wilfredo R. Rivera Direct C/P
  
3. *Evaluation Team on Philippine Side*  
Mr. Raul Joseph Concepcion President - Association of House Appliance Manufactures (AHAM)  
  
Ms. Fernanditas Malit President - Consumer Electronic Products Manufactures (CEPMA)  
  
Mr. Cayetano Ferreria Former President - AHAM  
Mr. Jaime Manuel Director - National Consumer Affairs Council

**Japanese Side**

1. *Evaluation Team on Japanese Side*  
Mr. Takanori Tanaka Team Leader / Deputy Managing Director - Mining and Industrial Development Cooperation Dept., JICA  
  
Mr. Wataru Takase Technology Transfer Planning / Manager - Planning & Coordination Bureau, Product Safety Sector, JQA  
  
Mr. Takashi Hatsumi Technology Transfer Planning / Manager - Electronics & Information Technology Group, Laboratory, JET  
  
Mr. Kazuhico Sakamoto Evaluation Management / Staff- First Tech. Cooperation Div., Mining and Industrial Development Cooperation Dept., JICA  
  
Mr. Ichiro Toyoda Evaluation Analyst / Senior Consultant - Consulting Department, Toyo Engineering Corporation
  
2. *Embassy of Japan*  
Mr. Kensuke Saito First Secretary
  
3. *JICA Philippine Office*  
Mr. Osamu Nakagaki Resident Representative - JICA Philippine Office  
Mr. Susumu Katsumata Asst. Resident Representative - JICA Philippine Office
  
4. *Japanese Experts*  
Mr. Takeho Sakata Chief Adviser  
Mr. Kunio Sakurai Technical Expert  
Ms. Yumie Kitada Project Coordinator