

## Annex B

(informative)

### Declaration of product environmental attributes


#### Product Category

<input type="checkbox"/> PC	<input type="checkbox"/> Monitor	<input checked="" type="checkbox"/> TV	<input type="checkbox"/> VCR	<input type="checkbox"/> Mobile Phone	<input type="checkbox"/> NoteBook	<input type="checkbox"/> Camcorder	<input type="checkbox"/> Hi-fi	<input type="checkbox"/> Printer/copier	<input type="checkbox"/> Others
	<input type="checkbox"/> Monitor*	<input type="checkbox"/> TV**						<input type="checkbox"/> Printer/copier***	
	<input type="checkbox"/> Without fan								

\*CRT monitors    \*\*Digital and Internet TV    \*\*\*Using the electrostatic process

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#### 1 Product Information / Description

<b>Brand</b>	Sharp	<b>Company Logo</b>	
<b>Type of Product</b>	LCD Colour TV		
<b>Commercial Name</b>	LC-32P50E		
<b>Model Number</b>	LC-32P50E		
<b>Weight</b>	20,000 kg		
<b>Dimension</b>	<h> 64 cm x <w> 80 cm x <d> 29 cm		
<b>Supplier</b> <Name>	Sharp Electrónica España, S.A.		
<Postal address>	Pol. Ind. Can Sant Joan. C/ Sena s/n, 08174 Sant Cugat del Vallés. Spain		
Postal code/City/Country			
e-mail			
<Contact person's name>	Mr. Andreu L. Hermo		
e-mail	<a href="mailto:hermo@sees.sharp-eu.com">hermo@sees.sharp-eu.com</a>		
Telephone	+ 34 935 819 750		
Mobile phone	+		
Fax	+ 34 935 819 752		
Internet site (URL)	<a href="http://www.sharp.es">www.sharp.es</a>		
<b>Additional Information</b>			

#### Environmental Programme Requirements conformed by the supplier

<b>Programme names</b>	1 Energy using Products (EuP)
e.g. Energy Star	2
e.g. TCO 03	3

#### Environmental Management Systems under which the product has been developed, manufactured and / or delivered.

<b>System names</b>	1 ISO 14001
e.g. ISO 14001	2 EMAS
e.g. EMAS	3

## Product Environmental Attributes - Legal Requirements

		Requirement met
		Yes No n.a.
<b>4 Electromagnetic Emissions</b>		
The product complies with the following emission requirements, listing the applicable legislation and standards referring to human exposure to electromagnetic fields for example:		
4.1	<b>ICNIRP levels</b> as documented in European council recommendation on the limitation of exposure of the general public to electromagnetic fields <b>1999/519/EC</b> ;	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
4.2	<b>prEN 50392</b> 'Generic standard to demonstrate compliance of electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (0 Hz - 300 GHz)'	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>8 Batteries</b>		
The batteries are in conformance with international, regional and national regulations, concerning:		
8.1<a>	Restrictions on hazardous substances and preparations such as defined in the <b>98/101/EC</b> directive.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
8.2<b>	Labelling requirements such as defined in the <b>93/86/EEC</b> .	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
8.3<c>	Installation and removal.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
8.4<d>	Take back and recycling.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>9 Product Packaging</b>		
The packaging is in compliance to international, regional and national regulations, concerning:		
9.2<a>	Restrictions on hazardous substances and preparations such as defined in the EU Directive <b>94/62/EEC</b> (requiring that the sum of the concentration of lead, cadmium, mercury, chromium-VI does not exceed 100 ppm by weight);	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
9.3<b>	Labelling requirements.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
9.4<c>	Take back and recycling.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>11 Product End of Life</b>		
11.1.1 Product take back systems complies with the applicable legislations.		
Legislation names	1 Directive 2002/96	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	3	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>11.2 Disassembly</b>		
11.2.1 Parts that have to be separately treated are declared to be separable, in compliance with international, regional and national regulations:		
Regulation names	1	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	3	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

This product meets above listed legal requirements.



## Product Environmental Attributes - Market Requirements

<b>2 Extension of Product Lifetime</b>									
2.1	The product is upgradable as follows; <span style="float: right;"><i>e.g. memory up to 512 MB</i></span>								
	<attribute>	up to	<unit>		<attribute>	up to	<unit>		
1		up to		6		up to			
2		up to		7		up to			
3		up to		8		up to			
4		up to		9		up to			
5		up to		10		up to			
2.2	The manufacturer offers spare parts availability			7	years after end of production.				
2.3	The manufacturer offers service availability			7	years after end of production.				
2.4	The manufacturer offers warranty			2	years				
	The service warranty / policy is as follows								
1	Spanish law 23/2003								
2									
3									
2.5	Restrictions for spare parts and service availability are as follows (if they are restricted)								
1	Electronic parts: spare parts availability is 7 years years after end of production.								
2	Mechanical parts: spare parts availability is 5 years years after end of production.								
3	Decorative parts: spare parts availability is 4 years years after end of production.								
<b>3 Power Consumption</b>									
3.1	Power consumption in watts (rms) for ENERGY USING MODES For the product the following power consumption has been measured:								
	<mode>	<i>e.g. Play, stand-by passive</i>	<standard / applied test protocol>		<power>				
1	off mode (AC unplug)		Measurement		0,000	[watts]			
2	off mode (AC plug)		Measurement		0,680	[watts]			
3	stand-by		Measurement		0,700	[watts]			
4	on mode		EN 62087:2002		65,00	[watts]			
5						[watts]			
6						[watts]			
7						[watts]			
<i>Some example modes are: operational modes, inactive modes, off mode and no load mode.</i>									
<b>4 Electromagnetic Emissions</b>									
4.3	The product complies with the limits defined in:								
	<standard / programme>	<i>e.g. MPR II-1990:8, TCO'99</i>							
1	EN55013								
2	EN55020								
3	EN61000-3-2 / EN61000-3-3								
<b>5 Noise Emissions</b>									
5.1	declared sound power and sound pressure levels								
	<b>Sound power levels</b> $L_{WAd}$				<b>Sound pressure levels</b> $L_{pAm}$				
					Location <span style="float: right; border: 1px solid black; width: 150px; height: 20px;"></span>				
					Position of the unit <span style="float: right; border: 1px solid black; width: 150px; height: 20px;"></span>				
					Distance <span style="float: right; border: 1px solid black; width: 100px; height: 20px;"></span> [m]				
	<operational mode>	<i>e.g. HDD access</i>	<description>		<level>	$L_{WAd}$	<level>	$L_{pAm}$	
1	n.a.		n.a.		n.a.	[bel]	n.a.	[dB(A)]	
2						[bel]		[dB(A)]	
3						[bel]		[dB(A)]	
4						[bel]		[dB(A)]	
5						[bel]		[dB(A)]	
6						[bel]		[dB(A)]	

6 Chemical Emissions											
6.1 The following chemical emissions have been measured according to ECMA-328:											
Chemical emission rates (VOC and ozone)					Dust emission rates						
<operational mode>		<emissions rate>									
<i>e.g. printing</i>		VOC			ozone		dust				
1	n.a.	n.a.	[micro-gr./hr]	n.a.	[micro-gr./hr]	n.a.	[micro-gr./hr]	[micro-gr./hr]	[micro-gr./hr]		
2			[micro-gr./hr]		[micro-gr./hr]		[micro-gr./hr]	[micro-gr./hr]	[micro-gr./hr]		
3			[micro-gr./hr]		[micro-gr./hr]		[micro-gr./hr]	[micro-gr./hr]	[micro-gr./hr]		
4			[micro-gr./hr]		[micro-gr./hr]		[micro-gr./hr]	[micro-gr./hr]	[micro-gr./hr]		
5			[micro-gr./hr]		[micro-gr./hr]		[micro-gr./hr]	[micro-gr./hr]	[micro-gr./hr]		
7 Hazardous Substances and Preparations									not con- tain		
The product does not contain:									con- tain		
7.1<a> Substances and preparations covered by <b>general limitation</b>									under survey		
asbestos;									<input type="checkbox"/>		
azo Colorants;									<input type="checkbox"/>		
mercury and mercury compounds;									<input type="checkbox"/>		
CFCs, HCFCs;									<input type="checkbox"/>		
PCBs, PCTs and PCN.									<input type="checkbox"/>		
7.2<b> Substances and preparations covered by limitations in <b>plastic mechanical parts and housings</b>									n.a.		
cadmium and cadmium compounds;									<input type="checkbox"/>		
short chain chloroparaffins;									<input type="checkbox"/>		
lead or lead compounds;									<input type="checkbox"/>		
PBB, PBDE.									<input type="checkbox"/>		
7.3<c> Substances and preparations covered by limitations in <b>paints, coatings or colouring agents</b>											
cadmium and cadmium compounds;									<input type="checkbox"/>		
TBT and TBTO;									<input type="checkbox"/>		
hexavalent chromium compound;									<input type="checkbox"/>		
lead or lead compounds;									<input type="checkbox"/>		
NOTE Substances and preparations covered by limitations in batteries and packaging are defined in clauses 5.8 and 5.9.											
8 Batteries											
The product { <input checked="" type="checkbox"/> contains/ <input type="checkbox"/> does not contain } batteries.											
8.5 The product or accessory contains the following batteries:											
<battery or accumulator>		<type>		<num.>		<total weight>		<size>			
<i>e.g. Main / Back-up battery</i>		<i>e.g. Li-ion / NiCd</i>									
						<h>	cm x	<w>	cm x	<d>	cm
1	Remote control battery	Zn Mn	2	19,40	[g]	4,4	x	1,0	x	1,0	
2					[g]		x		x		
3					[g]		x		x		
4					[g]		x		x		
5					[g]		x		x		
9 Product Packaging											
9.1 The following packaging is used:											
<packaging>			<type>		<num.>		<total weight>				
<i>e.g. Main carton / remote control bag</i>			<i>e.g. carton / PS</i>								
1	Main box		carton	1	2430	[g]					
2	Protectors		carton	1	393,00	[g]					
3	Corner and front protectors		EPS	5	799,00	[g]					
4	Accessories bag		H-LDPE	4	14,00	[g]					
5	LCD protector bags		PE	2	74,00	[g]					
6	Adhesive tape		PP	2	13,00	[g]					
7						[g]					
8						[g]					
									Requirement met		
									Yes No n.a.		
9.5 The packaging materials are marked according to a standard.											
Name of Standard			<i>e.g. ISO 11469:2000</i>								
9.6 Specific packaging take back programme and recycling services are available.											
<describe>											
Green Dot											

<b>10 Documentation Materials</b>			
<b>10.1 Paper</b>			Requirement met Yes No n.a.
10.1.1	The documentation is made under use of recycled paper.		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
10.1.2	The recycled content: is	% to	%
10.1.3	The paper is bleached by the following method; Chlorine is not used		
<b>10.2 Other Media</b>			
10.2.1	The media type is: <i>e.g. magnetic tapes, CDs, DVDs</i>		n.a.
10.2.2	The disposal method is: <i>e.g. system name or description</i>		
<b>11 Product End of Life</b>			
<b>11.1 Product Take Back Information</b>			Requirement met Yes No n.a.
Regarding take-back systems for products and consumables,			
11.1.2	Customers are advised		
	to contact their supplier representatives for additional information;		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	to check the products manual;		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	to visit the following web page		
	URL ;	<a href="http://www.sharp-eu.com">www.sharp-eu.com</a>	
	other	to contact with local authorities or recycling service company	
<b>11.2 Disassembly</b>			
11.2.1	The following design features have been included in the product to enable easy disassembly, separation and / or recycling.		
	Disassembly down to the module level is possible using only commonly available tools;		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	Reduction of the number of steps necessary for disassembly;		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	Reduction of number of tools necessary for disassembly;		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	Reduction of variety and number of connections;		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	Marking of mechanical plastic parts according to <b>ISO11469:2000</b> as applicable.		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
<b>12 Additional Information Source</b>			
12.1	Further information sources are: <i>e.g. Manufacturer's URL, representative name and telephone number etc., except for sources indicated in 1st. page.</i>		
	1		
	2		
	3		