



# ecma

## INTERNATIONAL

### Annex B

(informative)

### Declaration of product environmental attributes

#### Product Category


<input type="checkbox"/> PC	<input type="checkbox"/> Monitor	<input 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> <b>Type of Product</b> <b>Commercial Name</b> <b>Model Number(s)</b> <b>Weight</b> <b>Dimension</b> <b>Supplier</b> <Name> <Postal address> Postal code/City/Country e-mail <Contact person's name> e-mail Telephone Mobile phone Fax Internet site (URL)	Sharp	<b>Company Logo</b>  
	LCD Colour TV	
	LC-20SD5E	
	6,200 kg	
	<h> 44 cm x <w> 48 cm x <d> 23 cm	
	Sharp Electronics (UK) Limited	
	4 Furzeground Way, Stockley Park, Uxbridge, Middlesex, UB11 1EZ	
	Mr. Djelloul Kitter	
	<a href="mailto:Djelloul.Kitter@sharp-uk.co.uk">Djelloul.Kitter@sharp-uk.co.uk</a>	
	+ 44 (0) 208 734 2224	
+ + 44 (0) 208 734 3242		
<a href="http://www.sharp.co.uk">www.sharp.co.uk</a>		
<b>Additional Information</b>		

#### Environmental Programme Requirements conformed by the supplier

<b>Programme names</b> e.g. Energy Star e.g. TCO 03	1 Compliant with energy star
	2
	3

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

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

**Product Environmental Attributes - Legal Requirements**

		Requirement met		
		Yes	No	n.a.
<b>4</b>	<b>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 checked="" type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>8</b>	<b>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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8.2<b>	Labelling requirements such as defined in the <b>93/86/EEC</b> .	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8.3<c>	Installation and removal.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8.4<d>	Take back and recycling.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>9</b>	<b>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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9.3<b>	Labelling requirements.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9.4<c>	Take back and recycling.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>11</b>	<b>Product End of Life</b>			
11.1.1	Product take back systems complies with the applicable legislations.			
	Legislation names	1		
		2		
		3		
11.2	<b>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		
		2		
		3		

This product meets above listed legal requirements.



**Product Environmental Attributes - Market Requirements**

**2 Extension of Product Lifetime**

2.1	The product is upgradable as follows;		<i>e.g. memory up to 512 MB</i>			
	<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	
2	
3	

2.5 Restrictions for spare parts and service availability are as follows (if they are restricted);

1 Electronic/Mechanical parts: spare parts availability is 7 years years after end of production.

2 Assembly unit: spare parts availability is 5 years years after end of production.

3 Decorative parts: spare parts availability is 3 years years after end of production.

**3 Power Consumption**

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	Standby (passive)		EN50301:2001 (EN62087:2003)	0,92	[watts]
2	stand-by (Active mode)			3,10	[watts]
3	on mode(measured) 1/8W Vol		EN 62087:2002	52,60	[watts]
4					[watts]
5					[watts]
6					[watts]
7					[watts]

*Some example modes are; operational modes, inactive modes, off mode and no load mode.*

**4 Electromagnetic Emissions**

4.3 The product complies with the limits defined in:

	<standard / programme>	<i>e.g. MPR II-1990:8, TCO'99</i>
1	EN55013:2001 + A1:2003	
2	EN55020:2002 + A1:2003	
3	EN61000-3-2 / EN61000-3-3	

**5 Noise Emissions**

5.1 declared sound power and sound pressure levels

<b>Sound power levels</b>		$L_{WAd}$	<b>Sound pressure levels</b>		$L_{pAm}$
			Location		
			Position of the unit		
			Distance		
	<operational mode>	<i>e.g. HDD access</i>	<description>	<level>	$L_{pAm}$
1				[bel]	[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>								
e.g. printing		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										
The product does not contain:										
7.1<a> Substances and preparations covered by <b>general limitation</b>										
								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
asbestos;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
azo Colorants;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
mercury and mercury compounds;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CFCs, HCFCs;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PCBs, PCTs and PCN.								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7.2<b> Substances and preparations covered by limitations in <b>plastic mechanical parts and housings</b>										
cadmium and cadmium compounds;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
short chain chloroparaffins;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
lead or lead compounds;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PBB, PBDE.								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7.3<c> Substances and preparations covered by limitations in <b>paints, coatings or colouring agents</b>										
cadmium and cadmium compounds;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TBT and TBTO;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
hexavalent chromium compound;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
lead or lead compounds;								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/> does not contain } batteries.										
8.5 The product or accessory contains the following batteries:										
<battery or accumulator>		<type>		<num.>		<total weight>		<size>		
e.g. Main / Back-up battery		e.g. Li-ion / NiCd								
1	Remote control battery	Zn C	2	36,00	[g]	5,0	x	1,4	x	1,4
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>			
e.g. Main carton / remote control bag			e.g. carton / PS							
1	Main box		carton	1	1320	[g]				
2	LCD bag		PE	1	52,00	[g]				
3	Lateral protectors		PS-E	4	229,00	[g]				
4	Owner's Manual bag		PE	3	27,90	[g]				
5	Remote control bag		PE	1	3,02	[g]				
6	AC cord bag		PE	1	1,88	[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			e.g. ISO 11469:2000				<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>			
9.6 Specific packaging take back programme and recycling services are available.										
<describe>										
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>										

<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:	e.g. magnetic tapes, CDs, DVDs n.a.	
10.2.2	The disposal method is:	e.g. system name or description	
<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 ;		
	other	to contact local Sharp office, 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: e.g. Manufacturer's URL, representative name and telephone number etc., except for sources indicated in 1st. page.		
	1		
	2		
	3		