



ECMA/TC38-TG3/2015/026 (Rev. 1 – 15 April 2015)

Annex B2 - Product environmental attributes Computer monitors

The declaration may be published only when all rows and/or fields marked with * are filled-in (n.a. for not applicable). Additional information regarding each item may be found under P15.

Brand *	Lenovo	Logo)			
Company name *	Lenovo					
Contact information *	Lenovo Global Environmental Affairs		Lenovo			
e-mail address	Alvin L Carter		LCIIOVO			
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Additional information	The latest version of this document can be found at:					
	http://www.lenovo.com/ecodeclaration					

The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration.					
Type of product *	Monitor				
Commercial name *	T23i-10/P23i-10/T2364p				
Model number *	MT: 61AB				
Issue date *	2016/12/20				
Intended market *	☐ Global ☐ Europe ☐ Asia, Pacific & Japan ☐ Americas ☐ Other				
Additional information					

This is an uncontrolled copy when in printed form. Please refer to the contact information for the latest version.

About Annex B2

Annex B2 reflects Product environmental attributes relevant for Computers and Computer Monitors. The following items from the ECMA-370 Main body are not shown in the template:

P4.1 – P4.3 Consumable materials

P9.1 TEC and Print speed

P10.2 - P10.3 Chemical emissions from printing products

P11.1 - P11.3 Consumable materials for printing products

Model nu	ımber *	61AB/60AF	Logo	Long		
Issue dat	te *	2016/12/20		Lend	JVC) _{TM}
Product	environ	mental attributes - Legal requirements		Require	ment	met
Item				Yes	No	n.a.
P1	Hazardo	ous substances and preparations				
P1.1*	Products	s do comply with current European RoHS Directive. (See legal reference and NOTE	E B1)	\boxtimes		
P1.2*		s do not contain Asbestos (see legal reference). nt: Legal reference has no maximum concentration value.				
P1.3*	hydrobro trichloro	s do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), omofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrach ethane, methyl bromide (see legal reference). Comment: Legal reference has no nation values.				
P1.4*	terpheny	s do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychyl (PCT) in preparations (see legal reference).				
P1.5*		s do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 car intaining at least 48% per mass of chlorine in the SCCP (see legal reference).	bon atoms in th	ne 🔀		
P1.6*	(see lega	th direct and prolonged skin contact do not release nickel in concentrations above (al reference). nt: Max limit in legal reference when tested according to EN1811:2011-5.	0,5 μg/cm²/wee	k 🔀		
P1.7*	REACH	Article 33 information about substances in articles is available at (add URL or mail w.lenovo.com/social responsibility/us/en/environment.html	contact):	\boxtimes		
P2	Batterie	s ·				
P2.1*		oduct contains a battery or an accumulator, the battery/accumulator is labeled with Information on proper disposal is provided in user manual. (See legal reference)	the disposal			
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal					
P2.3*	Batteries and accumulators are readily removable. (See legal reference)					
P3	Conforn	nity verification & Eco design (ErP)				
P3.1*	-	duct is CE-marked to show conformance with applicable legal requirements (see legal requirements); see legal requirements (see legal re	gal reference).			
P3.2*		duct complies with the Eco design requirements for energy-related products, al reference).				
	, ,	d information is; given in item P15 or added to this document, available at (add URL):				
P5	Product	packaging				
P5.1*	Packagii	ng and packaging components do not contain more than 0,01% lead, mercur ent chromium by weight of these together.	y, cadmium a	nd 🔀		
P5.2*	The pac	kaging materials are marked with abbreviations and numbers indicating the nature see legal reference).	of the material	(s)		
P5.3*	(see lega	duct packaging material is free from ozone depleting substances as specified in the fall reference). In the fall reference has no maximum concentration values.	Montreal Protoc	col 🔀		
P6		nt information				
P6.1*	Informati	on for recyclers/treatment facilities is available (see legal reference).		\boxtimes		

NOTE B1 Restriction applies to the homogeneous material, unless other specified and expressed in weight %. Stating "Yes" means that the product is compliant with the mandatory requirements.

Model number *	61AB/60AF	Logo	Lanova
Issue date *	2016/12/20		Lei Iovo

Product	t environmental attributes - Market requirements (See General NOTE GN below)			
		Require	ment	met
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No	n.a.
P7	Design Disassembly, recycling			
P7.1*	Parts that have to be treated separately are easily separable			$\overline{}$
P7.2*	Plastic materials in covers/housing have no surface coating.			$\overline{}$
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.			\dashv
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.		∺	\pm
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.		∺	∺
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).		╫	╫
	Product lifetime			
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	\square	П	П
P7.8*	Upgrading can be done using commonly available tools		Ħ	Ħ
P7.9	Spare parts are available after end of production for: 5 years			Ħ
P7.10	Service is available after end of production for: 5 years			∺
	Material and substance requirements			
P7.11*	Product cover/housing material type (e.g. plastics, metal, aluminum):			
	Material type: PC Material type: SD-0150			
P7.12	Insulation materials of external electrical cables are PVC free.			
P7.13	Insulation materials of internal electrical cables are PVC free.			
P7.14	External plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bromine and 0,1% weight (1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants, and polyvinyl chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in parts containing more than 25% post-consumer recycled content.	d		
P7.15	Printed circuit boards, PCBs (without components) are low halogen: all ☑PCBs > 25 g ☐ are low halogen as defined in IEC 61249-2-21. (See 1NOTE B2)	า 🗌		
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4: Marking:			
P7.17	Alt. 1: Chemical specifications of flame retardants in printed circuit boards > 25 g (without components): TBBPA (additive), TBBPA (reactive) (See NOTE B3), Other: chemical name, CAS #:			
	Alt. 2: Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according ISO 1043-4:			
P7.18	Alt. 1: Flame retarded plastic parts > 25 g contain the following flame retardant substances/preparations in concentrations above 0,1%: 1. Chemical name: , CAS #: (See NOTE B4) 2. Chemical name: , CAS #: " 3. Chemical name: , CAS #: "	י 🗆		
	Alt. 2: Chemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4:			
P7.19	In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been assigned the following Risk phrases; and Hazard statements:			
	The source(s) for these classifications is/are found at (add URL(s)): , (See note B5)			
P7.20*	Postconsumer recycled plastic material content is used in the product (See Note B6): If YES; at least one of the two alternatives below shall be answered; a) Of total plastic parts' weight > 25 g, the postconsumer recycled plastic material content (calculated as a percentage of total plastic by weight) is 55.85%. or			
	b) The weight of recycled material is 816.7 g.			

GENERAL NOTE Standard references should direct to the latest version of a standard. If an older version of a standard is used, section P15 shall be used for explanation.

NOTE B2 IEC 61249-2-21 defines maximum limits of 900 ppm for each of the substances chlorine and bromine and a maximum limit of 1500ppm of these substances combined. The standard does not address fluorine, iodine and astatine which are included in the group of halogens.

NOTE B3 and B4 A Guidance document on Chemical substances is available; see http://www.ecma-international.org/publications/standards/Ecma-370.htm

NOTE B5 If a certain substance has been assigned a certain risk phrases / hazard statement in the referenced source, this does not necessarily mean the substance has been tested for all of the hazards referred to by a certain customer.

NOTE B6 Applies to a product containing plastic parts whose combined weight exceeds 100 g with the exception of printed circuit boards, cables, connectors and electronic components and bio-based plastic material.

Model number *	61AB/60AF	Logo	Lanava
Issue date *	2016/12/20		Lei IOVO.

Product environmental attributes - Market requirements (continued)	Requi	remer	nt met
Item	Yes	No	n.a.

		ostance requirements							
P7.21*	Biobased plastic	material content is use	d in the product (See N	OTE B7):					
	If YES; at least of	S; at least one of the two alternatives below shall be answered;							
		Of total plastic parts' weight > 25 g, the biobased plastic material content (calculated as a percentage of							
	total plastic by weight) is %.								
	b) The weight of the biobased plastic material is g.								
P7.22*	Light sources are free from mercury, i.e. less than 0,1 mg/lamp.								
	If mercury is used specify: Number of lamps: and maximum mercury content per lamp: mg								
P8	Batteries								
P8.1*	Battery chemical	'				\boxtimes			
P9		ption (See NOTE B8)							
P9.1			ls or energy consumpti						
Energy mo	ode *	Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standard for energy modes and test method *	Ш			
Peak (On-	max)	15.3W	14.8W	15.0W	Full load				
·			-						
On Mode	(System Idle)	15.3W	14.8W	15.0W	Use for ENERGY STAR V7				
					registration (P _{idle})				
Sleep Mod	de	0.6W	0.6W	0.6W	Use for ENERGY STAR V7				
					registration(P _{sleep})				
Off (S5) - I	WOL Enabled	0.11W	0.11W	0.15W	Use for ENERGY STAR V7				
					registration(P _{off})				
EPS No-lo	ad	W	W	W					
(External power s	supply / charger plugged in the sconnected from the product.)	9							
PTEC *	sconnected from the product.)	15.24 W	15.83 W	15.51 W	+	П			
Typical En	ergy Consumption								
ETEC *		50.8 kWh/year	48.6 kWh/year	49.5 kWh/year					
Annual En	ergy Consumption								
External Po	ower Supply Efficie	ency Level (Internationa	I Efficiency Marking Pro	otocol) * : VI					
Display res	solution * : 1920*1 0	080 megapixels							
Default tim	e to enter energy s	ave mode: 0.25 minute	es						
P9.2*	Information abou	t the energy save funct	ion is provided with the	product.					
P9.3						\Box			
P10	Emissions								
	Noise emission	 Declared according t 	o ISO 9296 (See NOTE	E B9)					
P10.1		Mode description Statistical upper limit A-weighted sound power level, $L_{WA,c}$ (B							
	Idle	* HDD: Idle		*					
		* HDD: Operating		*					
	Other mode	Declared A-weighted sour	ad pressure level (dB) $L_{p{\sf An}}$	(operator position desktop – idle)					
			ad pressure level (dB) L_{pAn}		(operator position desktop – operating)				
	Measured according to: SISO 7779 ECMA-74								
	Other (only if not covered by ECMA-74)								
1	Unity if not covered by Lower 1-4								

NOTE B7 The following is to be excluded from the calculation of percentage: printed circuit boards, labels, cables, connectors and electronic components and postconsumer recycled plastic

NOTE B8 A Guidance document on Energy Efficiency is available; see http://www.ecma-international.org/publications/standards/Ecma-370.htm

NOTE B9 A Guidance document on Acoustic Noise is available; see http://www.ecma-international.org/publications/standards/Ecma-370.htm

Model number 61AB/60AF		Logo	Leno	VO						
Issue date *		2016/12/20						Lenc	VO.	гм
Product	environn	nental attributes	- Market requirem	nents (cor	ntinued)			Require	ment	met
Item			•		•			Yes	No	n.a.
	Electron	magnetic emission	S							
P10.4	program	(s):	requirement for low f	frequency e	lectromagnetic fiel	ds of the fol	lowing voluntary	′		
P12		mics for computing								
P12.1*	The disp	lay meets the ergor	nomic requirements of	f ISO 9241-	307 for visual disp	lay technolo	gies.	\boxtimes		
P12.2*	The phys	sical input device m	eets the requirements	s of ISO 999	95 and ISO 9241-4	10.				\boxtimes
P13		ing and documenta								
P13.1*	Product Product	packaging material packaging material packaging material packaging material	type(s): Paper type(s): Carton		weight (kg): 0.37 weight (kg): 0.08 weight (kg): 1.02 weight (kg): 0.04					
P13.2*			aging is free from PV	/C.	<u> </u>			\boxtimes		
P13.3*	For prod	duct primary corrug er recovered fiber co	ated fiberboard pack ontent: 0 %	aging, spe	cify the contained	percentage	of minimum p	ost-		
P13.4*			oroduct documentation Other	n (tick box)	:					
P13.5	Ùser and		tem if paper documen ation on paper media							
	Element	hlorine-free al chlorine-free ed chlorine-free								
P14		ry programs								
P14.1			irements of the followi	ing volunta						
	ENERGY Eco-labe Eco-labe		Criteria version: Criteria version: Criteria version:		Date: Date: Date:	Product	category: category: category:			
P15	Addition	nal information (Se	e NOTE B10)							
P9			pecific configuration							
	informati knowledg provided informati	ion contained in this ge available at the t I here is approximat ion.	epresentations, guara document. All inform ime of completion, an e and provided for info	nation provided supplier stormational	ded by supplier in t shall have no obliga purposes only. See	his docume ation to upd e a Lenovo	nt is provided ba ate such informa	ased on suppation. The in	plier's formati	ion
P9			lotebooks & Tablet Condex.cfm?fuseaction=				_code=CO			_

NOTE B10 Additional lines may be inserted to declare further items, by positioning the cursor at the far right of the row and hitting the <Enter> key.

Legal references Europe Annex B2

Reference	Declaration item
Directive 2011/65/EU (RoHS Directive) * * Specific exemptions apply for certain products and applications.	P1.1
Regulation (EC) 1907/2006(REACH, Annex XVII	P1.2, P1.4, P1.6, P1.7
Regulation (EC) 2037/2000, 2038/2000, 2039/2000 (Marketing and use of Ozone layer depleting substances)	P1.3, P5.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
Directive 2013/56/EC (Battery and accumulators Directive) * * These provisions shall not apply where, for safety, performance, medical or data integrity reasons, continuity of power supply is necessary and requires a permanent connection between the appliance and the battery or accumulator.	P2.1, P2.2, P2,3, P8.1
Directive 2006/95/EC (Low Voltage Directive)	P3.1
Directive 2004/108/EC (EMC Directive)	P3.1
Directive 1999/5/EC (R&TTE Directive)	P3.1
Regulation (EC) 801/2013 amending Regulation (EC) No 1275/2008 with regard to ecodesign requirements for standby, off mode electric power consumption of electrical and electronic household and office equipment, and amending Regulation (EC) No 642/2009 with regard to ecodesign requirements for televisions	P3.1, P3.2
Regulation (EC) No 1272/2008 (CLP Regulation)	P7.19
Directive 2004/12/EC (Packaging Directive)	P5.1
Decision 97/129/EC (Secondary packaging legislation)	P5.2
Directive 2012/19/EU (WEEE directive)	P6.1