



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 *	Contact information * Lenovo Global Environmental Affairs		Lenovo			
e-mail address	-mail address Alvin L Carter		LCIIOVO			
	alcarter@lenovo.com					
Internet site *	http://www.lenovo.com/social_responsibility/us/en/environment.html					
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 statemer	conforms to the statements given in this declaration.				
Type of product *	Monitor				
Commercial name *	P32u-10				
Model number *	61C1				
Issue date *	2018/04/19				
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 number *	61C1	Logo	Lanava
Issue date *	2018/04/19		LEI IOVO

Product	Requirement met			
Item		Yes	No	n.a.
P1	Hazardous substances and preparations			
P1.1*	Products do comply with current European RoHS Directive. (See legal reference and NOTE B1)	\boxtimes		
P1.2*	Products do not contain Asbestos (see legal reference).	\boxtimes		
54.00	Comment: Legal reference has no maximum concentration value.			
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC),	\boxtimes		
	hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1-			
	trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.			
P1.4*	Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated	\square		
F 1.4	terphenyl (PCT) in preparations (see legal reference).		Ш	
P1.5*	Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the	e 🔀		
	chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).			
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above $0.5~\mu g/cm^2/week$			\boxtimes
	(see legal reference).			
	Comment: Max limit in legal reference when tested according to EN1811:2011-5.			
P1.7*	REACH Article 33 information about substances in articles is available at (add URL or mail contact):			\boxtimes
	http://www.lenovo.com/social_responsibility/us/en/environment.html			
P2	Batteries			
P2.1*	If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal			\bowtie
	symbol. Information on proper disposal is provided in user manual. (See legal reference)			
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See lega reference)			
P2.3*	Batteries and accumulators are readily removable. (See legal reference)			X
P3	Conformity verification & Eco design (ErP)			
P3.1*	The product is CE-marked to show conformance with applicable legal requirements (see legal reference).	X		
	The Declaration of Conformity can be requested at (add link or e-mail address):			
P3.2*	The product complies with the Eco design requirements for energy-related products,	\square		
	(see legal reference).		ш	ш
	Required information is; given in item P15 or added to this document,	\boxtimes		
	available at (add URL):			
P5	Product packaging			
P5.1*	Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium an	d 🔀		
	hexavalent chromium by weight of these together.			
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s	s) 🔀		
	used (see legal reference).			
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montrea	al 🔀		
	Protocol (see legal reference).			
DC	Comment: Legal reference has no maximum concentration values.			
P6	Treatment information		_	
F0. I	Information for recyclers/treatment facilities is available (see legal reference).			

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 *	61C1	Logo	П	onovo	
Issue date *	2018/04/19		_	CI IOVO"	

Produc	et environmental attributes - Market requirements (See General NOTE GN below)						
	- Environmental conscious design Requirement 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						
P7.2*	Plastic materials in covers/housing have no surface coating.		X	+			
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.			+			
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.		\dashv	\pm			
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.	X	\dashv	+			
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	X	\dashv	\dashv			
• • • •	Product lifetime						
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	\square					
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			一一			
P7.10	Service is available after end of production for: 5 years			$\overline{\Box}$			
	Material and substance requirements						
P7.11*	Product cover/housing material type (e.g. plastics, metal, aluminum):						
	Material type: PC Material type:						
P7.12	Insulation materials of external electrical cables are PVC free.	<u> </u>					
P7.13	Insulation materials of internal electrical cables are PVC free.			Щ.			
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.						
P7.15	Printed circuit boards, PCBs (without components) are low halogen: all PCBs > 25 g are low haloger 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 #: "	1 🔲					
	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):		П	П			
	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 43.7%. or b) The weight of recycled material is 1549.5g.						

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 nu	mber *	61C1	1			Logo	Lanava	
Issue dat	e *	2018/04/					Lenovo.	
Product	environr	nental at	tributes - Market r	equirements (cont	inued)	·	Requirement met	
Item							Yes No n.a.	
			stance requirements					
P7.21*	Biobase	d plastic m	naterial content is used	d in the product (See N	NOTE B7):			
	a) Of of to	total plasti otal plastic	c parts' weight > 25 g by weight) is	6.	vered; : material content (calc	ulated as a perce	entage	
P7.22*								
P8	Batterie		.,		, , , , , , , , , , , , , , , , , , , ,		J	
P8.1*	Battery of	hemical c	omposition:					
P9			tion (See NOTE B8)					
P9.1		roduct the		ls or energy consumpt		In ()(0)		
Energy mo	ode *		Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	modes and tes	indard for energy	
Peak (On-	-max)		169 W	168.4W	165.1W	Full load	st method	
Catego	r <u>y</u>							
Short Idle Enabled	State - W	OL	40.25W	40.36W	40.33W	Use for ENERGY STAR V6 registration (P _{idle})		
Long Idle Enabled	State - W	OL	40.25W	40.36W	40.33W	Use for ENERGY STAR V6 registration (P _{idle})		
Sleep (S3)) - WOL E	nabled	1.18W	1.08W	0.94W	Use for ENER registration(F		
Sleep (S3)) - WOL D	isabled	1.18W	1.08W	0.94W	Reference		
Off (S5) -	WOL Enai	bled	0.21W	0.21W	0.24W	Use for ENER registration(F		
Off (S5) -	WOL Disa	bled	0.21W	0.21W	0.24W	Use for ErP		
EPS No-IC (External power wall outlet but di	oad supply / charger sconnected from	plugged in the the product.)	W	W	W			
PTEC * Typical En	nergy Cons	umption	40.25 W	40.36 W	40.33 W			
ETEC *			130.12 kWh/year	129.89 kWh/year	129kWh/year			
Annual En				x (Poff x 0.6 + Psleep		•		
External P	ower Supp	ly Efficien	cy Level (Internationa	I Efficiency Marking P	rotocol) * : V/			
Display re	Display resolution *: 3840*2160 megapixels							
Default time to enter energy save mode: 25 minutes								
P9.2* Information about the energy save function is provided with the product.								
P9.3	9.3 Energy efficiency class (monitors only): <i>EPA7.0</i>							
P10	Emissio					•		
	Noise emission – Declared according to ISO 9296 (See NOTE B9)							
P10.1	Mode		Mode description		Statistical upper lin	nit A-weighted sou	und power level, L _{WA,c} (B)	
	Idle		HDD: Idle					
	Operation	n *	HDD: Operating		*			

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

(only if not covered by ECMA-74)

Declared A-weighted sound pressure level (dB) $L_{p
m Am}$

Declared A-weighted sound pressure level (dB) $L_{p
m Am}$

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

Measured according to: ISO 7779 ECMA-74
Other (only if not

Other mode

Other mode

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

(operator position desktop - idle)

(operator position desktop – operating)

Model nu	Model number * 61C1 Logo		Logo	Long	1/0			
Issue dat	e date * 2018/04/19			Leno	VO.	м		
Product	environr	mental attributes	- Market requirements (c	ontinued)		Require	ment	met
Item						Yes	No	n.a.
	Electror	nagnetic emission	IS					
P10.4	Compute program	. ,	e requirement for low frequency	v electromagnetic field	s of the following voluntary	y		
P12	Ergonomics for computing products The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies.							
P12.1*	The disp	lay meets the ergor	nomic requirements of ISO 924	1-307 for visual displa	ay technologies.	\boxtimes		
P12.2*	The phys	sical input device m	eets the requirements of ISO 9	995 and ISO 9241-41	0.	\boxtimes		
P13		ing and document						
P13.1*	Product	packaging material	type(s): <i>EPE(Cushion)</i> type(s): <i>Paper(Carton)</i> type(s): <i>HDPE/LDPE/EPE</i>	weight (kg): 0.952 weight (kg): 1.636 weight (kg): 0.053				
P13.2*	Product	plastic primary pack	kaging is free from PVC.			\boxtimes		
P13.3*		duct primary corruger recovered fiber co	nated fiberboard packaging, spontent: 0 %	pecify the contained	percentage of minimum p	ost-		
P13.4*	Specify media for user and product documentation (tick box):							
P13.5	Ùser and		tem if paper documentation us ation on paper media is chlorin					
	Totally chlorine-free Elemental chlorine-free							
	Process	ed chlorine-free						
P14	Volunta	ry programs						
P14.1	The prod	duct meets the requ	irements of the following volun	tary program(s):				
	Eco-labe	el:	Criteria version: 7.1 Criteria version: Criteria version:	Date: 4/4/2018 Date: Date:	Product category: <i>Moni</i> te Product category: Product category:	tors		
P15		nal information (Se						
P9			pecific configuration may vai					
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P9	See Ene	ergy Star Qualified N	Notebooks & Tablet Computers					

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