



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		ODOVO				
e-mail address	Alvin L Carter		Lenovo				
	alcarter@lenovo.com						
Internet site *	http://www.lenovo.com/social_responsibility/us/en/environment.html						
Additional information							

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 *	V21-10				
Model number *	65DB				
Issue date *	2017/6/27				
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.

Issue date *		65DB	Logo	Lenovo.		
		2017/6/27		Len	JVC	<b>J</b> <sub>tm</sub>
Product environmental attributes		mental attributes - Legal requirements		Require	men	t met
Item				Yes	No	n.a.
P1		ous substances and preparations				
P1.1*	Products	s do comply with current European RoHS Directive. (See legal reference and NOTE	B1)	$\boxtimes$		
P1.2*	Products do not contain Asbestos (see legal reference). Comment: 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% polych l (PCT) in preparations (see legal reference).				
P1.5*	chain co	s do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 car ntaining at least 48% per mass of chlorine in the SCCP (see legal reference).				
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.	),5 μg/cm²/wee	ek		
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):			
P2	Batterie	s				
P2.1*		duct 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*						
P2.3*	Batteries	and accumulators are readily removable. (See legal reference)				$\boxtimes$
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):	gal reference).			
P3.2*	2* The product complies with the Eco design requirements for energy-related products, (see legal reference).					
	Required	d information is; given in item P15 or added to this document, available at (add URL):			Ш	
P5	Product	packaging				
P5.1*		ng and packaging components do not contain more than 0,01% lead, mercurent chromium by weight of these together.	y, cadmium a	nd 🔀		
P5.2*	used (se	kaging materials are marked with abbreviations and numbers indicating the nature legal reference).		. ,		
P5.3*	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					
P6		nt information				
P6.1*	Informati	on for recyclers/treatment facilities is available (see legal reference).		$\square$		

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 *	5DB 017/6/27	Logo	Lonovo
Issue date *	2017/6/27		LEI IOVO"

Product	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								
P7.1*	Disassembly, recycling  Parts that have to be treated separately are easily separable								
P7.2*	Plastic materials in covers/housing have no surface coating.	$\overline{X}$	+						
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.	$\overline{X}$	∺	$\vdash$					
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.	$\overline{X}$	∺	$\dashv$					
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.	$\overline{X}$	╫	$\vdash$					
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	$\overline{X}$	$\pm$	$\vdash$					
1 7.0	Product lifetime								
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives								
P7.8*	Upgrading can be done using commonly available tools	$\dashv$	H						
P7.9	Spare parts are available after end of production for: 3 years								
P7.10	Service is available after end of production for: 3 years			$\exists$					
	Material and substance requirements								
P7.11*	Product cover/housing material type (e.g. plastics, metal, aluminum):								
	Material type: <b>ABS</b> Material type: <b>SGCC</b> Material type: <b>POM</b>								
P7.12	Insulation materials of external electrical cables are PVC free.		$\boxtimes$						
P7.13	Insulation materials of internal electrical cables are PVC free.		$\boxtimes$						
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 $\boxtimes$ PCBs > 25 g $\square$ are low		X						
	halogen as defined in IEC 61249-2-21. (See 1NOTE B2)								
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4:			$\boxtimes$					
D7.47	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),			$\boxtimes$					
	Other: Epoxy Resin, CAS #: 26265-08-7	Ш	ш						
	Alt. 2: Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according ISO 1043-4:	Ш	Ш						
P7.18	Alt. 1: Flame retarded plastic parts > 25 g contain the following flame retardant substances/preparations in								
	concentrations above 0,1%:			$\boxtimes$					
	1. Chemical name: , CAS #: (See NOTE B4)								
	2. Chemical name: , CAS #: " 3. Chemical name: , CAS #: "								
	·								
D7.40	Alt. 2: Chemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4:	_ <u> </u>	Н-	<u>X</u>					
P7.19	In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been	Ш	Ш	$\boxtimes$					
	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):								
0			ш						
	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 <b>41.8</b> %.								
	b) The weight of recycled material is <b>720.5</b> 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 <a href="http://www.ecma-international.org/publications/standards/Ecma-370.htm">http://www.ecma-international.org/publications/standards/Ecma-370.htm</a>

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.

wodel nur	0.555				Logo	Land			
Issue date	*	2017/6/27				Lenovo.			
Product environmental attributes - Market requirements (continued)							Requir	emen	t met
Item	· · · · · ·						Yes	No	n.a.
	Material and substance requirements (continued)								
P7.21*				d in the product (See No	OTE B7):			$\boxtimes$	
If YES; at least one of the two alternatives below shall be answered;  a) Of total plastic parts' weight > 25 g, the biobased plastic material content (calculated as a percentage of total plastic by weight) is %.  or  b) The weight of the biobased plastic material is g.									
P7.22*			free from mercury, i.e. specify: Number of lar	less than 0,1 mg/lamp. mps: and maxim	um mercury content per	lamp: mg			
P8	Batteries								
P8.1*	Battery c	hemical c	composition:						$\boxtimes$
P9			tion (See NOTE B8)						
P9.1		roduct the		ls or energy consumption					
Energy mo	de *		Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standar modes and test me		nergy	
ENERGY S (System Id		Mode*	13.10 W	12.99 W	12.95 W	ENERGY STAR® I Requirements for C Monitors: Ver. 7.0			
ENERGY STAR® Low Power Sleep Mode*			0.196 W	0.198 W	0.251W	ENERGY STAR® Program Requirements for Computer Monitors: Ver. 7.0			
ENERGY STAR® Off / Apparent Off Mode*		0.22 W	0.22 W	0.22 W	ENERGY STAR® I Requirements for 0 Monitors: Ver. 7.0				
DTEO *			14/	10/	T 147				<u> </u>
PTEC * Typical En	ergy Consi	umption	W	W	W				
ETEC * Annual Ene	ergy Consi	umption	<b>41.3</b> kWh/year	<b>41.0</b> kWh/year	<b>41.1</b> kWh/year				
External Po	ower Supp	ly Efficien	ncy Level (Internationa	l Efficiency Marking Pro	otocol) *:				$\boxtimes$
Display res	solution* :	<b>2.1</b> mega	apixels			ENERGY STAR® I Requirements for O Monitors: Ver. 7.0	Computer		
	e to enter	energy sa	ave mode: 0.5 minutes	S		ENERGY STAR® I Requirements for 0 Monitors: Ver. 7.0			
P9.2*				on is provided with the			$\boxtimes$		
P9.3*	P9.3* The product meets the energy requirements of the following voluntary program/s:  ENERGY STAR® version: 7.0 Product category: Display.								
P10									
	Noise en			o ISO 9296 (See NOTE					
P10.1	Mode	N	Mode description		Statistical upper limit	A-weighted sound p	ower leve	I, L <sub>WA,c</sub>	
	Idle	*			*				
	Operation				*				$\boxtimes$
	Other mo			od pressure level (dB) $L_{p{\sf An}}$		tion desktop – idle)			
	Other mo	ode D	Declared A-weighted soun	od pressure level (dB) $L_{pAm}$	(operator posi	tion desktop – opera	ting)		
	Measure	d accordir	_	ECMA-74					
1	1		Other	(only if not covered by	EUNA-14)				

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

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

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

Model number *		65DB					Logo	Lond	1/0	
Issue da	ssue date * 2017/6/27				Lenc		TM			
Product	t environn	nental attributes	s - Market requiren	nents (con	itinued)			Require	ment	met
Item								Yes	No	n.a
		nagnetic emissior								
P10.4	program	(s):	e requirement for low t	frequency el	ectromagnetic fields	of the foll	owing voluntary	<i>'</i>		
P12	Ergonor	nics for computin	g products							
P12.1*	The disp	lay meets the ergo	nomic requirements o	of ISO 9241-	307 for visual display	y technolo	gies.			
P12.2*	The phys	sical input device m	neets the requirements	s of ISO 999	5 and ISO 9241-410	).				$\boxtimes$
P13	Packagi	ng and document	ation							
P13.1*	Product Product	packaging material packaging material packaging material	type(s): <i>EPS</i> type(s): <i>PE bag</i>	weight (kg weight (kg weight (kg	): <b>0.165</b>					
P13.2*	Product	plastic primary pac	kaging is free from PV	/C.				$\boxtimes$		
P13.3*	consume	er recovered fiber o		0 0 .		ercentage	of minimum p	ost-		
P13.4*		media for user and ronic, ⊠Paper,	product documentation Other	on (tick box):						
P13.5	Ùser and		item if paper documer tation on paper media							
	Totally chlorine-free									
	Processe	ed chlorine-								
P14	Volunta	ry programs								
P14.1	The prod	duct meets the requ	irements of the follow	ving voluntar	y program(s):					
	Eco-labe	el:	Criteria version: 7.0 Criteria version: Criteria version:	0	Date: Jun-6-2017 Date: Date:	Product of Product of Product of	0 ,	tor		
P15		nal information (S								
P9			pecific configuration							
	informati knowled	on contained in this ge available at the here is approxima	representations, guara is document. All inform time of completion, ar te and provided for inf	nation provid nd supplier s	ed by supplier in this hall have no obligati	s documer ion to upda	nt is provided ba ate such informa	ased on suppation. The in	plier's formati	ion
P9	See Ene	rgy Star Qualified I	Monitors & Displays fo /products/office_equip							

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