

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				
	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 *	L24i-20			
Model number *	65DA			
Issue date *	2017/6/20			
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	mber *	65DA I	Logo				
Issue dat	sue date * 2017/6/20			Lenovo.			
Product	environ	mental attributes - Legal requirements		Require	ment	met	
Item		<b>v</b> ,		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 I	B1)	$\boxtimes$			
P1.2*	Products Comme	s do not contain Asbestos (see legal reference). nt: Legal reference has no maximum concentration value.		$\square$			
P1.3*							
P1.4*	terpheny	s do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlo /l (PCT) in preparations (see legal reference).		$\square$			
P1.5*		s do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbo ntaining at least 48% per mass of chlorine in the SCCP (see legal reference).	on atoms in the	⇒ 🛛			
P1.6*							
P1.7*	REACH	Article 33 information about substances in articles is available at (add URL or mail co ww.lenovo.com/social_responsibility/us/en/environment.html	ontact):				
P2	Batterie	S					
P2.1*		oduct contains a battery or an accumulator, the battery/accumulator is labeled with th Information on proper disposal is provided in user manual. (See legal reference)	ie disposal			$\square$	
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal					$\square$	
P2.3*	Batteries and accumulators are readily removable. (See legal reference)				$\boxtimes$		
P3	Conform	nity verification & Eco design (ErP)					
P3.1*		duct is CE-marked to show conformance with applicable legal requirements (see lega claration of Conformity can be requested at (add link or e-mail address):	al reference).	$\boxtimes$			
P3.2*	The proc	duct complies with the Eco design requirements for energy-related products, al reference).		$\boxtimes$			
		d information is; given in item P15 or added to this document,				$\square$	
DC	Duedued	available at (add URL):					
P5.1*		t <b>packaging</b> ng and packaging components do not contain more than 0,01% lead, mercury,	cadmium on	d 🔽			
	hexavale	ent chromium by weight of these together.					
P5.2*	used (se	kaging materials are marked with abbreviations and numbers indicating the nature of e legal reference).	•	<u> </u>			
P5.3*	Protocol	duct packaging material is free from ozone depleting substances as specified in (see legal reference). nt: Legal reference has no maximum concentration values.	n the Montrea	al 🔀			
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 * Issue date *		65DA	Logo					
		2017/6/20		Len	_enovo			
Product	Product environmental attributes - Market requirements (See General NOTE GN below)							
		onmental conscious design		Require				
Item		tory to fill in. Additional information regarding each item may be found under P14.		Yes	No	n.a.		
P7	Design	mbly, recycling						
P7.1*		t have to be treated separately are easily separable		$\square$				
P7.2*		naterials in covers/housing have no surface coating.			╞	⊢⊢		
P7.3*		arts > 100 g consist of one material or of easily separable materials.			╞	╞		
P7.4*		arts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.				<u>+</u>		
P7.5	•		available teele		<u> </u>	+		
	•	arts are free from metal inlays or have inlays that can be removed with commonly a	available tools.		<u> </u>	<u> </u>		
P7.6*		re easily separable. (This requirement does not apply to safety/regulatory labels).						
D7 7 <b>*</b>	Product							
P7.7*		ng can be done e.g. with processor, memory, cards or drives		<u> </u>	Ц.			
P7.8*		ng can be done using commonly available tools						
P7.9		arts are available after end of production for: 3 years						
P7.10	Service i	s available after end of production for: 3 years						
		and substance requirements						
P7.11*		cover/housing material type (e.g. plastics, metal, aluminum):						
P7.12		type: ABS Material type: SGCC Materia n materials of external electrical cables are PVC free.	al type: <b>POM</b>					
				<u> </u>	<u> </u>			
P7.13		n materials of internal electrical cables are PVC free.			Ц.			
P7.14	4 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 of	circuit boards, PCBs (without components) are low halogen: all 🔀 PCBs > as defined in IEC 61249-2-21. (See 1NOTE B2)	25 g 🗌 are lo	w 🗌	$\square$			
P7.16	Flame re Marking:	tarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4:				$\square$		
P7.17		nemical specifications of flame retardants in printed circuit boards > 25 g (without c PA (additive), TBBPA (reactive) (See NOTE B3), Other: <i>chemical name</i> , CA				$\square$		
		nemical specifications of flame retardants in printed circuit boards (without compone g ISO 1043-4:	ents) > 25 g			$\square$		
P7.18	concentr 1. Chemi 2. Chemi	ame retarded plastic parts > 25 g contain the following flame retardant substance ations above 0,1%: ical name: , CAS #: (See NOTE B4) ical name: , CAS #: " ical name: , CAS #: "	es/preparations	in				
		nemical specifications of flame retardants in plastic parts > 25 g according ISO 104	3-4:			$\square$		
P7.19	•	: parts > 25 g, flame retardant substances/preparations above 0,1% are used which I the following Risk phrases; and Hazard statements:	have been					
			See note B5)					
P7.20*	Postcons	sumer recycled plastic material content is used in the product (See Note B6):		$\boxtimes$				
	a) Of t a pe or	t least one of the two alternatives below shall be answered; otal plastic parts' weight > 25 g, the postconsumer recycled plastic material conten ercentage of total plastic by weight) is <b>26.7%</b> .	it (calculated as	3				

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.

Model num	ber * 65DA				Logo					
Issue date * 2017/6/20				Lenov	<b>O</b> <sub>TH</sub>					
Product e	Product environmental attributes - Market requirements (continued) Requirement r						ent met			
Item										
		ubstance requirements								
P7.21*	P7.21* Biobased plastic material content is used in the product (See NOTE B7):									
		one of the two alternativ								
	<ul> <li>a) Of total plastic parts' weight &gt; 25 g, the biobased plastic material content (calculated as a percentage of total plastic by weight) is %.</li> </ul>									
	or									
		t of the biobased plastic re free from mercury, i.e.								
		ed specify: Number of la		num mercury content pe	er lamp: mo					
	Batteries					,				
P8.1*	Battery chemic	al composition:					$\boxtimes$			
		mption (See NOTE B8)								
		the following power leve			-					
Energy mod	le *	Power level at <b>100</b> V AC	Power level at <b>115</b> V AC	Power level at 230 V AC	Reference/Stan modes and test	idard for energy method *	/			
ENERGY S	TAR® On Mode	* <b>14.80</b> W	<b>14.77</b> W	15.03 W	ENERGY STAF					
(System Idle	e)				Requirements f Monitors: Ver. 7					
ENERGY S	TAR® Low Pow	er 0.303 W	0.233 W	0.303 W		ENERGY STAR® Program				
Sleep Mode	*					Requirements for Computer				
		0.175 W	0.183 W	0.265 W	Monitors: Ver. 7 ENERGY STAF					
ENERGY S		0.770 W	0.700 11	0.200 11	Requirements f					
Apparent Of	II Mode				Monitors: Ver. 7	7.0				
					1					
PTEC * Typical Ene	rgy Consumptic	n W	W	W			$\boxtimes$			
ETEC *	igy concumpue	47.1 kWh/year	46.6 kWh/year	47.8 kWh/year						
	rgy Consumptio									
External Pov	wer Supply Effic	iency Level (Internationa	al Efficiency Marking P	rotocol) * : 6						
Display resc	olution* : 2.1 m	aganiyele			ENERGY STAP Requirements f					
Display lesc		едарілеіз			Monitors: Ver. 7					
					ENERGY STAP	R® Program				
Default time	Default time to enter energy save mode: 0.5 minutes Requirements for Computer Maritage Van 7.0									
P9.2*	P9.2* Information about the energy save function is provided with the product.									
	P9.3* The product meets the energy requirements of the following voluntary program/s:									
ENERGY STAR® version: 7.0 Product category: Display. P10 Emissions										
		n – Declared according t	o ISO 9296 (See NOT	E B9)						
	Mode	Mode description		Statistical upper lim	it A-weighted sour	nd power level, $L_w$	<sub>А.с</sub> (В)			
	Idle	*		*			$\square$			
	Operation	*		*			$\boxtimes$			
	Other mode	Declared A-weighted sour	nd pressure level (dB) $L_{ m pA}$	m (operator po	sition desktop – id	le)				
	Other mode Declared A-weighted sound pressure level (dB) $L_{pAm}$ (operator position desktop – operating)									
	Measured acco		ECMA-74	1						
	Other (only if not covered by ECMA-74)									

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 <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 http://www.ecma-international.org/publications/standards/Ecma-370.htm

Model nu	mber *	65DA			Logo		0100		
Issue date *		2017/6/20					Lenovo		
Product	environ	nental attribut	es - Market require	ments (continued)			Require	ment	me
Item							Yes	No	n.a
		magnetic emissi							
P10.4	Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary								
P12		mics for compu							
P12.1*	The disp	play meets the er	gonomic requirements of	of ISO 9241-307 for visual d	lisplay technologies.		$\square$		
P12.2*	The phy	sical input device	e meets the requirement	ts of ISO 9995 and ISO 924	1-410.				$\times$
P13	Packag	ing and docume	entation						
P13.1*	Product		ial type(s): <i>Carton</i> ial type(s): <i>PE bag</i> ial type(s): <i>EPS</i>	weight (kg): <b>0.84</b> weight (kg): <b>0.0187</b> weight (kg): <b>0.023</b>					
P13.2*	Product	plastic primary p	ackaging is free from P	VC.			$\square$		
P13.3*	For product primary corrugated fiberboard packaging, specify the contained percentage of minimum post- consumer recovered fiber content: 45 %								
P13.4*	Specify media for user and product documentation (tick box):								
P13.5	(Please only complete this item if paper documentation used) User and product documentation on paper media is chlorine-free:								
	Totally chlorine-free								
	•	al chlorine-free					E E		
	Processed chlorine-free								
P14	Volunta	ry programs							
P14.1			equirements of the follow	wing voluntary program(s):					
	ENERG Eco-labe Eco-labe		Criteria version: Criteria version: Criteria version:	Date: Date: Date:	Product catego Product catego Product catego	ry:			
P15		-	(See NOTE B10)	2000	. roudot outogo				
P9				n may vary; description o	f the tested product	configurati	on:		
	NOTE: S informat knowled	Supplier makes n ion contained in t ge available at th t here is approxir	o representations, guar this document. All inforr ne time of completion, a	antees, assurances or warr nation provided by supplier nd supplier shall have no of formational purposes only.	anties whether expres in this document is pr oligation to update suc	s or implied ovided base h informatio	l, regardin ed on supp on. The inf	olier's format	tion
P9	See Ene	ergy Star Qualifie	d Monitors & Displays fo ov/products/office_equi	or the latest information: pment/displays					

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