

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					
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 *	ThinkVision L27m-28					
Model number *	65E6					
Issue date *	2017/08/10					
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 n	umber *	65E6	Logo				
Issue date *		2018/08/10		Len	Lenovo.		
Produc	t environ	mental attributes - Legal requirements		Require	ment	met	
Item				Yes	No	n.a.	
P1		ous substances and preparations					
P1.1*	Product	s do comply with current European RoHS Directive. (See legal reference and NOTE	B1)				
P1.2*		s do not contain Asbestos (see legal reference). nt: Legal reference has no maximum concentration value.		\square			
P1.3*	hydrobro trichloro	s do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), omofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachl ethane, methyl bromide (see legal reference). Comment: Legal reference has no m ration values.					
P1.4*	Product	s do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychl yl (PCT) in preparations (see legal reference).	orinated	\boxtimes			
P1.5*	Product	s do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carb Intaining at least 48% per mass of chlorine in the SCCP (see legal reference).	on atoms in	the 🔀			
P1.6*	(see leg	th direct and prolonged skin contact do not release nickel in concentrations above 0, al reference). nt: Max limit in legal reference when tested according to EN1811:2011-5.	5 μg/cm²/we	ek 🔀			
P1.7*	REACH Article 33 information about substances in articles is available at (add URL or mail contact): Image: Contact in the image:						
P2	Batterie						
P2.1*	symbol. Information on proper disposal is provided in user manual. (See legal reference)					\boxtimes	
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal						
P2.3*	Batterie	s and accumulators are readily removable. (See legal reference)				\mathbf{X}	
P3	Confor	nity verification & Eco design (ErP)					
P3.1*	The Dec	duct is CE-marked to show conformance with applicable legal requirements (see leg claration of Conformity can be requested at (add link or e-mail address): www.senviron.com/us/en/social_responsibility/EU_Doc_Monitors	al reference)				
P3.2*	The pro	duct complies with the Eco design requirements for energy-related products, al reference).		\boxtimes			
	Require	d information is; given in item P15 or added to this document, available at (add URL): www.lenovo.com/us/en/social_responsibility/datasheets_monitors/					
P5		t packaging					
P5.1*	Packagi	ng and packaging components do not contain more than 0,01% lead, mercury ent chromium by weight of these together.	, cadmium a	and 🔀			
	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s)						
P5.2*	usea (se	The product packaging material is free from ozone depleting substances as specified in the Montreal X Protocol (see legal reference).					
P5.2* P5.3*	The pro Protoco	(see legal reference).	in the Montr	real 🔀			
	The pro Protoco Comme	duct packaging material is free from ozone depleting substances as specified (see legal reference). nt: Legal reference has no maximum concentration values.	in the Montr	real 🔀			

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 *		65E6	Logo					
Issue date *		2017/08/10		Len		Этм		
Product		mental attributes - Market requirements (See General NOTE GN	· ·					
	- Environmental conscious design Requ							
Item		tory to fill in. Additional information regarding each item may be found under P14.		Yes	No	n.a.		
P7	Design Disasse	mbly, recycling						
P7.1*		t have to be treated separately are easily separable		\boxtimes				
P7.2*	Plastic m	aterials in covers/housing have no surface coating.						
P7.3*								
P7.4*	•	arts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.			Ħ	Ħ		
P7.5		arts are free from metal inlays or have inlays that can be removed with commonly a	available tools.		Ħ	Ħ		
P7.6*	-	re easily separable. (This requirement does not apply to safety/regulatory labels).			H			
	Product							
P7.7*		ig can be done e.g. with processor, memory, cards or drives						
P7.8*	Upgradir	ig can be done using commonly available tools			Ħ			
P7.9		arts are available after end of production for: 5 years				Ħ		
P7.10	Service i	s available after end of production for: 5 years				Ħ		
	Material	and substance requirements						
P7.11*		cover/housing material type (e.g. plastics, metal, aluminum):						
	Material	type: ABS Material type: PC Materia	al type:					
P7.12	Insulation	n materials of external electrical cables are PVC free.			\square			
P7.13		n materials of internal electrical cables are PVC free.			\boxtimes			
P7.14	weight (' polyvinyl	plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) b 1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) og more than 25% post-consumer recycled content.	e retardants, and	d				
P7.15	Printed	circuit boards, PCBs (without components) are low halogen: all X PCBs > as defined in IEC 61249-2-21. (See 1NOTE B2)	25 g 🗌 are lov	v	\square			
P7.16	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 co PA (additive), TBBPA (reactive) (See NOTE B3), Other: , CAS #:	omponents):	\boxtimes				
		nemical specifications of flame retardants in printed circuit boards (without compone g ISO 1043-4:	ents) > 25 g					
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 ir	ר 				
		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 the following Risk phrases; and Hazard statements:	n have been		\square			
	The sour	ce(s) for these classifications is/are found at (add URL(s)):	See note B5)					
P7.20*		sumer recycled plastic material content is used in the product (See Note B6):	,	\boxtimes				
	a) Oft ape or	t least one of the two alternatives below shall be answered; otal plastic parts' weight > 25 g, the postconsumer recycled plastic material contenercentage of total plastic by weight) is 39.2% . (<i>EPEAT calculation</i>) / 85% (TCO ca weight of recycled material is 744.3 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 * 65E6					Logo					
Issue date *	ssue date * 2017/08/10					Lenovo.				
Product environmental attributes - Market requirements (continued) Requi										
Item	Item Yes No n.a.									
	Material and substance requirements (continued)									
P7.21* Biobased plastic material content is used in the product (See NOTE B7):										
			es below shall be answ							
	 a) Of total plastic parts' weight > 25 g, the biobased plastic material content (calculated as a percentage of total plastic by weight) is 0%. 									
	or b) The weight of the biobased plastic material is <i>0</i> g.									
			less than 0,1 mg/lamp			\boxtimes				
		specify: Number of lar	nps: and maxim	um mercury content pe	er lamp: mg]				
-	Batteries Battery chemical	composition:								
		otion (See NOTE B8)								
			ls or energy consumpti	ons are reported:						
Energy mode		Power level at	Power level at	Power level at	Reference/Star	ndard for energy				
		100 V AC	115 V AC	230 V AC	modes and test					
ENERGY ST (System Idle	ГAR® On Mode* :)	17.2W	17.1W	16.9W	ENERGY STAF Requirements f Monitors: Ver. 7	or Computer				
	TAR® Low Power	1.6W	1.6W	1.5W	ENERGY STAF Requirements f					
Sleep Mode'	*				Monitors: Ver. 7					
ENERGY ST Apparent Of		0.11W	0.11W	0.14W	0.14W ENERGY STAR® Program Requirements for Computer Monitors: Ver. 7.0					
					-					
PTEC * Typical Ener	gy Consumption	W	W	W						
ETEC *	gy Consumption	61.6kWh/year	61.2 kWh/year	60.4 kWh/year	$E_{TEC} = (8760/10)$ $P_{sleep} \times 0.1 + P_i$	$(P_{off} \times 0.6 + 0.0) \times (P_{off} \times 0.6 + 0.3)$				
		ncy Level (Internationa	I Efficiency Marking Pr	otocol) * :						
Display reso	lution* : 1920*1 (80 megapixels			ENERGY STAF Requirements f Monitors: Ver. 7	or Computer				
Default time	Default time to enter energy save mode: 15 seconds ENERGY STAR® Program Monitors: Ver. 7.0									
	P9.3* The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version: 7.0 Product category: Display .									
	Emissions									
			o ISO 9296 (See NOTE		1 A	al a sala al 1	(D)			
	Mode Mode description Statistical upper limit A-weight Idle * HDD: Idle *				It A-weighted sour	na power level, <i>L_{WA,c}</i>	⊳ (B)			
	Operation * HDD: Operating *		*							
			od pressure level (dB) L _{pAn}	lanavata	cition dockton		M			
		Declared A weighted South		(operator po	(operator position desktop – idle)					
			nd pressure level (dB) L _{pAn}	n (operator po	sition desktop – op	perating)				
	Measured accord	ing to: 🔀 ISO 7779 🗌 Other	ECMA-74 (only if not covered by	v 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 http://www.ecma-international.org/publications/standards/Ecma-370.htm

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

Model nu	mber *	65E6				L	.ogo				
Issue date *		2017/08/10						Lenovo			тм
Product	environ	mental attribute	es - Market requiren	nents (cont	tinued)			Re	quire	ment	me
Item									Yes	No	n.a
		magnetic emissio									
P10.4	Comput program		he requirement for low	frequency ele	ectromagnetic fields	s of the follov	ing volun	tary			\square
P12		mics for computi									
P12.1*	The dis	play meets the erg	onomic requirements o	f ISO 9241-3	07 for visual displa	y technologie	es.		\boxtimes		
P12.2*	The phy	sical input device	meets the requirements	s of ISO 9995	5 and ISO 9241-410	Э.					\square
P13	Packag	ing and documer	ntation								
P13.1*	Product Product	packaging materia packaging materia packaging materia packaging materia	al type(s): <i>PE Bag</i> al type(s): <i>Paper</i>	weight (kg) weight (kg) weight (kg) weight (kg)	: 0.02 : 0.31						
P13.2*	Product	plastic primary pa	ckaging is free from PV	/C.					\boxtimes		
P13.3*	For product primary corrugated fiberboard packaging, specify the contained percentage of minimum post-										
P13.4*	Specify media for user and product documentation (tick box):										
P13.5	Ùser an		s item if paper documer ntation on paper media		ee:						
	-	chlorine-free tal chlorine-free									
	Process	ed chlorine-free									
P14	Volunta	ry programs									
P14.1	The pro	duct meets the rec	quirements of the follow	ving voluntary	program(s):						
	ENERG Eco-lab Eco-lab		Criteria version: 7. Criteria version: 7. Criteria version:	0	Date: <i>Jul04,2018</i> Date: <i>Jul30,2018</i> Date:	Product ca Product ca Product ca	tegory: Dis				
P15	Additio	nal information (See NOTE B10)								
P9			specific configuration								
	informa knowled	tion contained in the lge available at the d here is approxim	representations, guara nis document. All inform e time of completion, ar ate and provided for inf	nation provide	ed by supplier in this all have no obligati	s document i ion to update	s provided such info	d based of rmation. 1	n supp The inf	lier's ormati	ion
P9	See En	ergy Star Qualified	Monitors & Displays fo v/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