

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					
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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 statement	nts given in this declaration.				
Type of product *	Monitor				
Commercial name *	ThinkVision T22i				
Model number *	61A9				
Issue date *	2016/11/20				
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 n	umber *	61A9 Logo			
Issue date *		2016/11/20	Leng	JVC	
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)	$\boxtimes$		
P1.2*		s do not contain Asbestos (see legal reference). nt: Legal reference has no maximum concentration value.	$\boxtimes$		
P1.3*	hydrobro trichloro	s do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), pmofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1- ethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum ration values.			
P1.4*	terphen	s do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated /I (PCT) in preparations (see legal reference).	$\boxtimes$		
P1.5*	chain co	s do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the intaining at least 48% per mass of chlorine in the SCCP (see legal reference).			
P1.6*	(see leg	th direct and prolonged skin contact do not release nickel in concentrations above 0,5 μg/cm²/week al reference). nt: 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): vw.lenovo.com/social_responsibility/us/en/environment.html	$\boxtimes$		
P2	Batterie				
P2.1*		oduct contains a battery or an accumulator, the battery/accumulator is labeled with the disposal Information on proper disposal is provided in user manual. (See legal reference)			$\square$
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)				$\square$
P3	Conform	nity verification & Eco design (ErP)			
P3.1*		duct is CE-marked to show conformance with applicable legal requirements (see legal reference). claration of Conformity can be requested at (add link or e-mail address):	$\boxtimes$		
P3.2*	The pro	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, available at (add URL):	$\square$		
P5		t packaging			
P5.1*	hexaval	ng and packaging components do not contain more than 0,01% lead, mercury, cadmium an ent chromium by weight of these together.			
P5.2*		kaging materials are marked with abbreviations and numbers indicating the nature of the material(s ee legal reference).	;)		
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal I Protocol (see legal reference). Comment: Legal reference has no maximum concentration values.				
P6		ent information			
P6.1*		ion 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 *		61A9	Logo				
Issue dat	te *	2016/11/20		Len	Lenovo.		
Product		mental attributes - Market requirements (See General NOTE GN	below)				
	- Enviro	Require		met			
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*	Parts that	t have to be treated separately are easily separable		$\boxtimes$			
P7.2*	Plastic m	naterials in covers/housing have no surface coating.			$\boxtimes$		
P7.3*	Plastic p	arts > 100 g consist of one material or of easily separable materials.					
P7.4*	Plastic p	arts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.			Ē		
P7.5	Plastic p	arts are free from metal inlays or have inlays that can be removed with commonly	available tools.		Ē	Ē	
P7.6*		re easily separable. (This requirement does not apply to safety/regulatory labels).			H	H	
-	Product						
P7.7*		ig can be done e.g. with processor, memory, cards or drives		$\square$			
P7.8*		g can be done using commonly available tools			Ħ	Ħ	
P7.9		arts are available after end of production for: 5 years				H	
P7.10		s available after end of production for: 5 years				⊢⊢	
		and substance requirements					
P7.11*		cover/housing material type (e.g. plastics, metal, aluminum):					
			al type: SGCC				
P7.12		n materials of external electrical cables are PVC free.	21		$\boxtimes$		
P7.13	Insulatio	n materials of internal electrical cables are PVC free.					
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) ng more than 25% post-consumer recycled content.	e retardants, ar	nd 🗖			
P7.15	Printed c	ircuit boards, PCBs (without components) are low halogen: all ⊠PCBs > 25 g d in IEC 61249-2-21. (See 1NOTE B2)	are low haloge	en 🗌	$\square$		
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					
		nemical specifications of flame retardants in printed circuit boards (without compon- g ISO 1043-4:	ents) > 25 g				
P7.18	concentr 1. Chem 2. Chem	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	h have been	$\square$			
	-	the following Risk phrases; and Hazard statements:					
			See note B5)				
P7.20*	Postcons	sumer recycled plastic material content is used in the product (See Note B6):		$\bowtie$			
	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 conter ercentage of total plastic by weight) is <b>47.75%</b> . e weight of recycled material is <b>779</b> g.	nt (calculated as				

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 nur	nber *	61A9				Logo		
Issue date	<b>;</b> *	2016/11/2	20				Lenov	O
Product environmental attributes - Market requirements (continued)						Requireme	nt met	
Item							Yes No	n.a.
			tance requirements					
P7.21*	Biobase	d plastic m	aterial content is used	in the product (See No	OTE B7):			
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								
			by weight) is %.	, the biobased plastic	material content (calcu	lated as a percent	age	
or b) The weight of the biobased plastic material is g.								
P7.22*	Light sou	urces are f	ree from mercury, i.e.	less than 0,1 mg/lamp.				
P8	If mercu Batterie		specify: Number of lan	nps: and maxim	um mercury content pe	r lamp: mg		
P8.1*		-	omposition:					
P9	-		tion (See NOTE B8)					
P9.1	For the p		following power level	s or energy consumption		-		
Energy mo	de *		Power level at <b>100</b> V AC	Power level at <b>115</b> V AC	Power level at 230 V AC	Reference/Stand modes and test r	lard for energy method *	
Peak (On-	max)		55W	55W	55W	Full load		
Categor	у							
Short Idle	State - W	OL	13.4W	13.4W	13.5W	Use for ENERG	Y STAR V6	
Enabled						registration (P <sub>id</sub>	le)	
Long Idle	State - W	OL	13.4W	13.4W	<b>13.5</b> W	Use for ENERG		
Enabled						registration (P <sub>id</sub>	le)	
Sleep (S3)	- WOL E	nabled	0.3W	0.3W	0.4W	Use for ENERG		
						registration(P <sub>sle</sub>	ер)	
Sleep (S3)	- WOL D	isabled	0.3W	0.3W	0.4W	Reference		
Off (S5) - WOL Enabled		bled	0.13W	0.13W	0.19W	Use for ENERGY STAR V6 registration(P <sub>off</sub> )		
Off (S5) - I	WOL Disa	bled	0.13W	0.13W	0.19W	Use for ErP		
			W	W	W	Reference		
0.1								
<u>Categor</u>	<u>y</u>							
Short Idle Enabled	State - W	OL	W	W	W	Reference		
Long Idle Enabled	State - W	OL	W	W	W	Reference		
Sleep (S3)	- WOL E	nabled	W	W	W	Reference		
Sleep (S3)	- WOL D	isabled	W	W	W	Reference		
Off (S5) - I	WOL Ena	bled	W	W	W	Reference		
Off (S5) - I	WOL Disa	bled	W	W	W	Reference		
			W	W	W	Reference		
Cotoria								
	Category							
Short Idle Enabled	State - W	OL	W	W	W	Reference		_
Long Idle Enabled	State - W	OL	W	W	W	Reference		

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

Sleep (S3	3) - WOL Enabled	W	W	W	Reference		
Sleep (S3	3) - WOL Disabled	W	W	W	Reference		
Off (S5) -	WOL Enabled	W	W	W	Reference		
Off (S5) - WOL Disabled		W	W	W	Reference		
		W	W	W	Reference		
	Oad r supply / charger plugged in th disconnected from the product.)		W	W			
PTEC *	nergy Consumption	17.13 W	16.98 W	16.99 W			
ETEC *	nergy Consumption	36.16kWh/year	36.16kWh/year	36.83kWh/year			
External F	Power Supply Efficie	ency Level (Internation	al Efficiency Marking F	Protocol) * :			
Display re	esolution * : <b>1920*1</b>	080 megapixels					
Default tin	me to enter energy s	save mode: <b>0.17</b> minu	tes				
P9.2*	Information abou	t the energy save fund	ction is provided with th	e product.			
P9.3	Energy efficiency	v class (monitors only)	:				
P10	Emissions						
5.0.1		0	to ISO 9296 (See NOT	/			
P10.1	Mode Idle	Mode description * HDD: Idle		Statistical upper li *	mit A-weighted sound power level, <i>L</i> <sub>WA,c</sub> (B)		
				*			
	Operation	* HDD: Operating					
	Other mode		und pressure level (dB) $L_p$		position desktop – idle)		
	Other mode	Declared A-weighted so	und pressure level (dB) $L_{p}$	Am (operator )	position desktop – operating)		
	Measured according to: ISO 7779 ECMA-74 Other (only if not covered by ECMA-74)						

Model nu	mber *	61A9				Logo			
Issue date *		2016/11/20				-	Leno	VO,	м
Product	environ	nental attribut	es - Market requirer	ments (continued)			Require	ment	me
Item							Yes	No	n.a
	Electro	nagnetic emissi	ons						
P10.4	Comput program		the requirement for low	frequency electromag	netic fields of the fol	lowing volun	tary		$\boxtimes$
P12	Ergono	mics for comput	ting products						
P12.1*	The disp	lay meets the er	gonomic requirements of	of ISO 9241-307 for vi	sual display technolo	ogies.	$\square$		
P12.2*	The phy	sical input device	meets the requirement	ts of ISO 9995 and IS	O 9241-410.				$\mathbf{X}$
P13	Packag	ng and docume	ntation						
P13.1*	Product Product Product	packaging mater packaging mater	ial type(s): <i>EPS</i> ial type(s): <i>EPE Bag</i> ial type(s): <i>PE Bag</i> ial type(s): <i>Paper</i> ial type(s): <i>Carton</i>	weight (kg): 0.39 weight (kg): 0.011 weight (kg): 0.017 weight (kg): 0.01 weight (kg): 1.1					
P13.2*			ackaging is free from P				$\boxtimes$		
P13.3*	For pro		rugated fiberboard pac		ontained percentage	e of minimur			
P13.4*		media for user ar ronic, 🔀Paper,	nd product documentatio	on (tick box):					
P13.5	User an		is item if paper docume entation on paper media					$\square$	
	Element	hlorine-free al chlorine-free							
	Process	ed chlorine-free							
P14		ry programs							
P14.1	The pro	duct meets the re	quirements of the follow	ving voluntary progran	n(s):				
	ENERG Eco-labe Eco-labe		Criteria version: Criteria version: Criteria version:	Date: Date: Date:	Product	category: category: category:			
P15	Additio	nal information	(See NOTE B10)						
P9			specific configuration	n may vary; descript	ion of the tested pr	oduct confi	guration:		
	NOTE: S informat knowled	Supplier makes n ion contained in t ge available at th I here is approxin	o representations, guar his document. All inform e time of completion, an nate and provided for in	antees, assurances or nation provided by su nd supplier shall have	warranties whether oplier in this docume no obligation to upd	express or in the spress or in the sprovide ate such info	mplied, regarding d based on supp prmation. The inf	lier's ormati	ion
P9	See Energy Star Qualified Notebooks & Tablet Computers for the latest information: http://www.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&pgw_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