



ECMA/TC38-TG3/2015/026 (Rev. 1 – 15 April 2015)

Annex B2 - Product environmental attributes Workstations and Servers

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	A 200 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100				
Contact information *	Lenovo Global Environmental Affairs	Lenovo				
e-mail address	Alvin L Carter	LCHOVO.				
	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 (The company declares (based on product specification or test results based obtained from sample testing), that the product						
conforms to the statemen	conforms to the statements given in this declaration.						
Type of product *	Server						
Commercial name *	Think system HR630X						
Model number *	7X56, 74DC						
Issue date *	20170518						
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

wodei nu		7X56, 74DC	Logo	Lend	NC	
Issue date *		20170518		Lein	<i></i>	TH
Product	environ	mental attributes - Legal requirements		Requirement m		met
Item				Yes	No	n.a.
P1		ous substances and preparations				
P1.1*	Products 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.		\boxtimes		
P1.3*		s do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC),		\square	$\overline{\Box}$	
1 1.0		omofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrach	loride 111-		ш	
		ethane, methyl bromide (see legal reference). Comment: Legal reference has no m				
		ration values.				
P1.4*		do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polych	lorinated	\boxtimes		
	terpheny	(PCT) in preparations (see legal reference).				
P1.5*	Products	do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carl	bon atoms in t	he 🔀		
D4.0*		ntaining at least 48% per mass of chlorine in the SCCP (see legal reference).	. = , 2,			
P1.6*		th direct and prolonged skin contact do not release nickel in concentrations above C),5 μg/cm ⁻ /wee	ek 🔀		Ш
		al reference). nt: Max limit in legal reference when tested according to EN1811:2011-5.				
P1.7*		Article 33 information about substances in articles is available at (add URL or mail	contact).			$\overline{}$
' '.'		w.lenovo.com/social_responsibility/us/en/environment.html	oortaot).		Ш	ш
P2	Batterie					
P2.1*	If the pro	oduct contains a battery or an accumulator, the battery/accumulator is labeled with	the disposal		П	\Box
	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 legal		al 🔀			
	reference)					
P2.3*	Batteries and accumulators are readily removable. (See legal reference)					
P3		nity verification & Eco design (ErP)				
P3.1*		duct is CE-marked to show conformance with applicable legal requirements (see leg	gal reference).	\boxtimes		
		laration of Conformity can be requested at (add link or e-mail address):				
		/ww.lenovo.com/social_responsibility/us/en/ec_doc_servers/;				
		/ww.lenovo.com/social_responsibility/us/en/ec_doc_systemx/				
P3.2*		duct complies with the Eco design requirements for energy-related products, al reference).				Ш
		available at (add URL):				
P5	Product	packaging				
P5.1*	Packagii	ng and packaging components do not contain more than 0,01% lead, mercury	y, cadmium a	nd 🔀		
	hexavale	ent chromium by weight of these together.				
P5.2*	The pack	kaging materials are marked with abbreviations and numbers indicating the nature	of the material	(s) 🔀		
P5.3*		e legal reference). duct packaging material is free from ozone depleting substances as specified	in the Montre	eal 🔀		$\overline{}$
1 3.3		(see legal reference).	III UIG MOHU	- CI	Ш	Ш
		nt: Legal reference has no maximum concentration values.				
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 *	7X56, 74DC	Logo	Lonovo
Issue date *	20170518		LEI IOVO.

Product	t environmental attributes - Market requirements (See General NOTE GN below)							
	- Environmental conscious design Requirement me							
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	\boxtimes						
P7.2*	Plastic materials in covers/housing have no surface coating.							
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.	\boxtimes						
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.	\boxtimes						
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.	\boxtimes						
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	\boxtimes						
	Product lifetime							
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	\boxtimes						
P7.8*	Upgrading can be done using commonly available tools	\boxtimes						
P7.9	Spare parts are available after end of production for: 5 years							
P7.10	Service is available after end of production for: 5 years							
	Material and substance requirements							
P7.11*	Product cover/housing material type (e.g. plastics, metal, aluminum):							
D7.40	Material type: Steel Material type: PC+ABS Material type:							
P7.12	Insulation materials of external electrical cables are PVC free.	<u> </u> _		<u></u>				
P7.13	Insulation materials of internal electrical cables are PVC free.			<u> </u>				
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, an polyvinyl chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in part containing more than 25% post-consumer recycled content.	d	Ш					
P7.15	Printed circuit boards, PCBs (without components) are low halogen: all PCBs > 25 g are low halogen as defined in IEC 61249-2-21. (See 1NOTE B2)	w						
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4:							
P7.17	Marking: 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 is concentrations above 0,1%: 1. Chemical name: , CAS #: (See NOTE B4) 2. Chemical name: , CAS #: " 3. Chemical name: , CAS #: "	n 🔲						
	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:							
D7.00*	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): 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 0 %. or b) The weight of recycled material is 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 *	mber * 7X56, 74DC			Logo	Lenovo.			
Issue date *	20170518					Lellovo.		
Product enviro	ct environmental attributes - Market requirements (continued) Requirement met							
Item			•	•		Yes No n.a.		
		stance requirements (
	•	naterial content is used	•	OTE B7):				
		free from mercury, i.e. I specify: Number of lam		ım mercury content per l	lamn: ma			
P8 Batter		specify. Number of fair	ips. and maximi	in mercury content per i	lamp: mg			
		composition: Lithium M	langanese Dioxide					
		otion (See NOTE B8)						
	e product th	e following power levels			D - f / C + 1	f \		
Energy mode *		Power level at 100 V AC	Power level at 115 V AC		Reference/Standa modes and test m			
Category								
Idle State - Minim	um	W	W	108.6564 W				
Configuration								
Max Power - Mini Configuration	mum	W	W	226.548 W				
Off - Minimum Configuration		W	W	12.1116 W				
Idle State - Typica Configuration	al	W	W	223.908 W				
Max Power - Typi Configuration	cal	W	W	458.352 W				
Off - Typical Con	figuration	W	W	12.1236 W				
Idle State - Maxin Configuration	num	W	W	339.372 W				
Max Power - Max Configuration	imum	W	W	621.204 W				
Off - Maximuml Configuration		W	W	12.2436 W				
PTEC *		W	W	W				
Typical Energy Co ETEC * Annual Energy Co		kWh/year	kWh/year		E _{TEC} = (8760/100) + P _{sleep} x 0.35 + F P _{short Idle} x 0.30)			
				Mode(S3) - WOL Enabled;	P _{idle} : Idle State - V			
		ncy Level (International	Efficiency Marking Pro	tocol) *:				
Display resolution		negapixels						
		ave mode: 25 minutes						
		the energy save function	on is provided with the p	oroauct.				
		class (monitors only):						
		- Declared according to	ISO 9296 (See NOTE	B9)				
P10.1 Mode	I	Mode description	,	Statistical upper limit A	A-weighted sound	power level, L _{WA,c} (B)		
Idle		HDD idle		* 6.92				
Opera	tion '	HDD Operating		* 6.92				
Other	mode	Declared A-weighted sound	I pressure level (dB) $L_{p{\sf Am}}$	(operator posit	tion desktop – idle)			
Other	mode	Declared A-weighted sound	d pressure level (dB) $L_{p m Am}$	(operator posit	tion desktop – oper	rating)		
Measu	red accordi	· =	ECMA-74	E0144 7.0				
		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 http://www.ecma-international.org/publications/standards/Ecma-370.htm

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

Model number *		7X56, 74DC				Logo	Long	1/0	
Issue date *		20170518					Leno	NO	r in
Product	environn	nental attribute	es - Market requiremen	its (continued)			Require	ment	met
Item							Yes	No	n.a.
		nagnetic emissio							
P10.4	Compute program		ne requirement for low freq	uency electromagneti	c fields of the foll	lowing voluntar	у		\boxtimes
P12	Ergonor	mics for computi	ng products						
P12.1*	The disp	lay meets the erg	onomic requirements of IS	O 9241-307 for visual	display technolo	gies.			\boxtimes
P12.2*	The phys	sical input device	meets the requirements of	ISO 9995 and ISO 92	241-410.				\boxtimes
P13		ng and documer							
P13.1*	Product packaging material type(s): Carton Product packaging material type(s): Paper cushion Product packaging material type(s): EPE Product packaging material type(s): Wood weight (kg): 2.731 weight (kg): 0.359 weight (kg): 0.816 weight (kg): 1.5								
P13.2*	Product	plastic primary pa	ckaging is free from PVC.				\boxtimes		
P13.3*	For product primary corrugated fiberboard packaging, specify the contained percentage of minimum post-consumer recovered fiber content: 70 %								
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: If Yes, please specify:								
	Totally c	hlorine-free							
	Element	al chlorine-free							
	Processe	ed chlorine-free							
P14	Volunta	ry programs							
P14.1	The prod	duct meets the rec	quirements of the following	voluntary program(s):					
	Eco-labe	el:	Criteria version: Criteria version: Criteria version:	Date: Date: Date:	Product	category: category: category:			
P15		nal information (S							
P9			specific configuration ma						
	informati knowled	ion contained in th ge available at the I here is approxim	representations, guarante his document. All information time of completion, and s ate and provided for inform	on provided by supplie upplier shall have no	er in this documer obligation to upda	nt is provided bate such inform	pased on supp nation. The int	olier's format	ion
P9			Notebooks & Tablet Complindex.cfm?fuseaction=find			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

Lenovo ErP Lot3 Information Sheet

- Workstation/Server -

As required by COMMISSION REGULATION (EU) No 617/2013 of 26 June 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for computers and computer servers (ErP Lot3).

Products scope of this sheet:

Workstation, mobile workstation, desktop thin client, small-scale server and computer server

This document is only valid in connection with the IT Eco Declaration of the specific Product.

Commercial name	Think system HR630X	Logo
Model Number	7X56, 74DC	Lenovo
Issue Date	20170518	Lenovo.
Additional information		

(d)	Year of manufacture:	on product label
(e)	Internal/external power supply efficiency:	
	DPS-550AB-27 A	
	Power Efficiency :10% 91% 20% 93.64% 50% 94.82% 100% 93.52%	
	Acbel FSG023-EL0G Power Efficiency :10% 90.53% 20% 93.2% 50% 94.66% 100% 93.21%	
(f)	Test parameters for measurements: — test voltage in V and frequency in Hz — total harmonic distortion of the electricity supply system — information and documentation on the instrumentation, set-up and circuits used for electrical testing: Test Voltage: 230V, Frequency: 50Hz -Total harmonic distortion: <2% - Information and documentation on the instrumentation: Please refer to additional information, - Set-up and circuits used for electrical testing: Please refer to additional information	
(g)	Maximum power (Watts)	621.204
(h)	Idle state power (Watts)	02.1.20.1
		339.372
(i)	Sleep mode power (Watts)	N/A
	Off mode power (Wette)	
(j)	Off mode power (Watts)	12.2436
(j) (l-1)	Measurement methodology used to determine information mentioned in points (e): IEC 62623 / IEC EN50564:2011 measurement methodology	12.2436

Additional information

-Information and documentation on the instrumentation

Instrument I.D.	Instrument Type	Range Used	Make and Model
A8	AC POWER SOURCE	1~280VAC;1~550HZ;1000VA	EC1000S; SN:9136092
B43	Digital Watch	Full range	HS-70W; SN:107Q05R
B45	Power Meter	0~600V;0~20A	WT210;SN:27D941999
B48	Humidity/Temperature Sensor	15~30°C;12~89%RH	Watchport/H;SN:W11492318

- Set-up and circuits used for electrical testing:

