



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.

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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 statemer	conforms to the statements given in this declaration.					
Type of product *	Type of product * Server					
Commercial name *	Lenovo ThinkSystem SR150/SR158					
Model number *	7Y54, 7Y55					
Issue date *	Jan 18, 2019					
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	ımber *	7Y54, 7Y55	Logo	Long		
Issue dat	:e *	Jan 18, 2019		Lend	DVC) _{th}
Product	environ	mental attributes - Legal requirements		Require	meni	met
Item				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	B1)	\boxtimes		
P1.2*		s do not contain Asbestos (see legal reference). nt: Legal reference has no maximum concentration value.				
P1.3*		s do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC),		\boxtimes	П	
	hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.					
P1.4*		s do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlyl (PCT) in preparations (see legal reference).	orinated	\boxtimes		
P1.5*		s do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carb ntaining at least 48% per mass of chlorine in the SCCP (see legal reference).	on atoms in the	e 🔀		
P1.6*	(see lega	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/week			\boxtimes
P1.7*		Article 33 information about substances in articles is available at (add URL or mail of	contact).	\square	$\overline{}$	
1		vw.lenovo.com/social_responsibility/us/en/environment.html	ontaot).		Ш	ш
P2	Batterie	_ , , ,				
P2.1*		oduct contains a battery or an accumulator, the battery/accumulator is labeled with the	he disposal		$\overline{}$	
		Information on proper disposal is provided in user manual. (See legal reference)	no diopodai			ш
P2.2*		s or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadm	ium. (See legal			
P2.3*	Batteries	s and accumulators are readily removable. (See legal reference)		\boxtimes		
P3	Conform	nity verification & Eco design (ErP)				
P3.1*	The prod	duct is CE-marked to show conformance with applicable legal requirements (see leg	al reference).	X		
	The Dec	laration of Conformity can be requested at (add link or e-mail address):				
P3.2*	The prod	duct complies with the Eco design requirements for energy-related products,		X		
	(see lega	al reference).				
	Required	d information is; Siven in item P15 or added to this document,		\boxtimes		
		available at (add URL):				
P5	Product	packaging				
P5.1*	Packagii	ng and packaging components do not contain more than 0,01% lead, mercury ent chromium by weight of these together.	, cadmium an	d 🔀		
P5.2*		kaging materials are marked with abbreviations and numbers indicating the nature case legal reference).	of the material(s	s) 🔀		
P5.3*	(see lega	duct packaging material is free from ozone depleting substances as specified in the M al reference).	Iontreal Protoco	ol 🔀		
		nt: Legal reference has no maximum concentration values.				
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 *	7Y54 , 7Y55	Logo	Lanava
Issue date *	Jan 18, 2019		LEI IOVO.

Product	t environmental attributes - Market requirements (See General NOTE GN below)			
		Require	ment	met
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			
P7.2*	Plastic materials in covers/housing have no surface coating.		\boxtimes	
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.			
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: 1 or 3 years			
P7.10	Service is available after end of production for: 1 or 3 years			
	Material and substance requirements			
P7.11*	Product cover/housing material type (e.g. plastics, metal, aluminum):			
	Material type: <i>Plastic</i> Material type: <i>Metal</i> Material type:			
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 PCBs > 25 g are low halogen as defined in IEC 61249-2-21. (See 1NOTE B2)	n 🛚		
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4: 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), Other: , 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 in			
1 7.10	concentrations above 0,1%:	· 🗆		
	1. Chemical name: , CAS #: (See NOTE B4)			
	2. Chemical name: , CAS #: "			
	3. Chemical name: , CAS #: "			
	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:			
	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):		\boxtimes	
	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 %.			
	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 *	7Y54, 7Y55	Logo	Lonovo
Issue date *	Jan 18, 2019		Lei Iovo.

Product environmental attributes - Market requirements (continued)	Requi	remer	nt met
Item	Yes	No	n.a.

	Material and sub	stance requirements	(continued)				
P7.21*	Biobased plastic r	naterial content is used	I in the product (See No	OTE B7):			
	a) Of total plast total plastic b	ic parts' weight > 25 g, by weight) is %.	·	·	ated as a percentage of		
P7.22*		f the biobased plastic r	naterial is g. less than 0,1 mg/lamp.				
F1.22		specify: Number of lan		um mercury content pe	er lamp: mg		
P8	Batteries	' '		<u> </u>			
P8.1*	Battery chemical of	composition: Lithium N	langanese Dioxide				
P9 Energy consumption (See NOTE B8)							
P9.1			s or energy consumption				
Energy mode * Power level at Power level at 100 V AC 115 V AC 230 V AC Reference/Standard for energy modes and test method *							
100% stre	ss	197.98 W	197.18 W	193.2 W	100% stress		
Off state		6.64 W	7.11 W	9.09 W	10 mins after AC cord in		
Idle state		92.9 W	97.63 W	92.32 W	10 mins after logging in OS		
		W	W	W	Reference		
EPS No-lo	ad supply / charger plugged in the	W	W	W			
	sconnected from the product.)	W	W	W			
_	ergy Consumption	VV	VV	VV		\boxtimes	
ETEC *	ergy Consumption	kWh/year	kWh/year	kWh/year	ETEC = (8760/1000) x (Poff x 0.25 + P _{sleep} x 0.35 + P _{long_ldle} x 0.10+ P _{short_ldle} x 0.30)		
		Poff: Off Mode(S5) - WC	OL Enabled; Psleep: Sleep	Mode(S3) - WOL Enable	ed; P _{idle} : Idle State - WOL Enabled		
External P	ower Supply Efficier	ncy Level (International	Efficiency Marking Pro	tocol) * :		\boxtimes	
Display res	solution * : m	egapixels				\boxtimes	
Default tim	e to enter energy sa	ave mode: 25 minutes					
P9.2*	Information about	the energy save function	on is provided with the	product.			
P9.3	Energy efficiency	class (monitors only):					
P10	Emissions						
			ISO 9296 (See NOTE				
P10.1		Mode description			it A-weighted sound power level, $L_{WA,c}$	(B)	
	Idle *	max configuration		* 4.62			
		max configuration		* 5.16			
	Other mode	Declared A-weighted sound	d pressure level (dB) $L_{p m Am}$	(operator po	osition desktop – idle)		
	Other mode	Declared A-weighted soun	d pressure level (dB) L_{pAm}	(operator po	osition desktop – operating)		
	Measured according to: ISO 7779 ECMA-74 Other (only if not covered by ECMA-74)						

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

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 nur	nber *	7Y54, 7Y55				Logo	Long	V/0	
Issue date	*	Jan 18, 2019					Leno	VO.	гн
Product	environn	nental attributes	- Market requiremen	ts (continued)			Require	ment	met
Item							Yes	No	n.a.
		nagnetic emission							
P10.4	program	(s):		uency electromagnetic field	ds of the follo	owing voluntary	/		
P12	Ergonor	nics for computing	g products						
P12.1*				O 9241-307 for visual displa		gies.			\boxtimes
P12.2*	The physical input device meets the requirements of ISO 9995 and ISO 9241-410.								
P13	Packagi	ng and documenta	ation						
P13.1*	Product Product	packaging material	type(s): Recycled Exp type(s): PP weight (kg):	anded Polyethylene	kg): 2.1 weight (kg): 0.52			
P13.2*	Product	plastic primary pack	aging is free from PVC.				\boxtimes		
P13.3*		luct primary corruger recovered fiber co		ng, specify the contained	percentage	of minimum p	ost-		\boxtimes
P13.4*			product documentation (ti Other	ick box):					
P13.5	Ùser and		em if paper documentation on paper media is c						
	Elementa	hlorine-free al chlorine-free ed chlorine-free							
P14		ry programs							
P14.1	The prod	luct meets the requ	rements of the following	voluntary program(s):					
	ENERGY Eco-labe Eco-labe		Criteria version: Criteria version: Criteria version:	Date: Date: Date:	Product of Product of Product of	ategory:			
P15		nal information (Se							
P9				y vary; description of the					
	informati knowled	on contained in this ge available at the t here is approximat	document. All information ime of completion, and su	es, assurances or warrantien provided by supplier in the upplier shall have no obligate tional purposes only. See	nis documen tion to upda	t is provided batte such information	ased on supp ation. The inf	lier's ormati	ion
P9				outers for the latest informa _a_product.showProductG		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	Lenovo ThinkSystem SR150/SR158	Logo	
Model Number	7Y54, 7Y55		Longva
Issue Date	Jan 18, 2019		Lenovo.
Additional information			

