



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

## Annex B2 - Product environmental attributes Desktop/All-in-One Computers

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		LEITOVO		
	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 (based on product specification or test results based obtained from sample testing), that the product				
conforms to the statemen	nts given in this declaration.			
Type of product *	Edge Device			
Commercial name *	ThinkEdge SE30			
Model number *	11NA,11NB,11NC,11ND,11NE,11NF,11NG,11NH,11NJ,11NK			
Issue date *	2021/4/19			
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 number *		11NA,11NB,11NC,11ND,11NE,11NF,11NG,11NH,11NJ,11NK	Logo	Lon			
Issue dat	Issue date * 2021/4/19			Lend	DVC	<b>)</b> ,,	
Product	Product environmental attributes - Legal requirements					t met	
Item				Yes	No	n.a.	
P1		ous substances and preparations					
P1.1*	Products	s do comply with current European RoHS Directive. (See legal reference and NOTE	EB1)	$\boxtimes$			
P1.2*	Products do not contain Asbestos (see legal reference).  Comment: Legal reference has no maximum concentration value.						
P1.3*	hydrobro trichloro	s do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), omofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrach ethane, methyl bromide (see legal reference). Comment: Legal reference has no maration values.					
P1.4*		s do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polych /I (PCT) in preparations (see legal reference).	lorinated	$\boxtimes$			
P1.5*	chain co	s do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carl ntaining 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 ( al reference). nt: Max limit in legal reference when tested according to EN1811:2011-5.	),5 μg/cm²/wee	k 🔀			
P1.7*	REACH	Article 33 information about substances in articles is available at (add URL or mail www.lenovo.com/us/en/Lenovo-REACH-SVHC-Disclosure	contact):	$\boxtimes$			
P2	Batterie	S					
P2.1*		oduct contains a battery or an accumulator, the battery/accumulator is labeled with Information on proper disposal is provided in user manual. (See legal reference)	the disposal				
P2.2*							
P2.3*	Batteries and accumulators are readily removable. (See legal reference)						
P3	Conformity verification & Eco design (ErP)						
P3.1*	The product is CE-marked to show conformance with applicable legal requirements (see legal reference).  The Declaration of Conformity can be requested at (add link or e-mail address):  https://www.lenovo.com/us/en/compliance/eu-doc						
P3.2*		duct complies with the Eco design requirements for energy-related products, al reference).					
	Require	d information is; Sigure in item P15 or added to this document, Sigure available at (add URL): https://www.lenovo.com/ecod/	eclaration				
P5	Product	packaging					
P5.1*	Packagi	ng and packaging components do not contain more than 0,01% lead, mercur ent chromium by weight of these together.	y, cadmium a	nd 🔀			
P5.2*	used (se	kaging materials are marked with abbreviations and numbers indicating the nature se legal reference).		, 2			
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (see legal reference).  Comment: 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.

wodei nu	ımber *	TINA,TINB,TINC,TIND,TINE,TINF,TING,TINH,TINJ,TINK	_en	21/6		
Issue date *		2021/4/30	-en		TH.	
Product	Product environmental attributes - Market requirements (See General NOTE GN below)					
			equire	ment i	met	
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*		at have to be treated separately are easily separable	$\boxtimes$	$\overline{\Box}$		
P7.2*		naterials in covers/housing have no surface coating.	X	Ħ	H	
P7.3*						
P7.4*						
P7.5	•	arts are free from metal inlays or have inlays that can be removed with commonly available tools.		Ħ		
P7.6*		re easily separable. (This requirement does not apply to safety/regulatory labels).	X	H	$\dashv$	
	Product	, , , , , , , , , , , , , , , , , , , ,				
P7.7*		ng can be done e.g. with processor, memory, cards or drives		П		
P7.8*	Upgradir	ng can be done using commonly available tools		Ħ	Ħ	
P7.9	Spare pa	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):				
P7.12		type: <i>PC+ABS</i> Material type: <i>aluminum</i> Material type: <i>PC</i> n materials of external electrical cables are PVC free.				
P7.12		n materials of external electrical cables are PVC free.			<del>  </del>	
	7.13 Institution materials of internal electrical cables are P voltee.  7.14 External plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bromine and 0,1%					
P7.14		1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants, and			$\boxtimes$	
	polyvinyl	chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in parts and more than 25% post-consumer recycled content.				
P7.15	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)					
P7.16					$\square$	
	Marking:					
P7.17		nemical specifications of flame retardants in printed circuit boards > 25 g (without components):				
	∐ТВВР	PA (additive), TBBPA (reactive) (See NOTE B3), Other: , CAS #:	Ш			
		nemical specifications of flame retardants in printed circuit boards (without components) > 25 g				
	accordin	g ISO 1043-4:				
P7.18	<u>Alt. 1:</u> FI	ame retarded plastic parts > 25 g contain the following flame retardant substances/preparations in				
		rations above 0,1%:				
		ical name: , CAS #: (See NOTE B4) ical name: , CAS #: "				
		ical name: , CAS #: "				
P7.19		nemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4: parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been	╬	$\blacksquare$	+	
' ' ' ' '	•	I the following Risk phrases; and Hazard statements:		ш	ш	
	•	rce(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):	$\Box$	$\boxtimes$		
		at least one of the two alternatives below shall be answered; total plastic parts' weight > 25 g, the postconsumer recycled plastic material content (calculated as				
		ercentage of total plastic by weight) is 0%.				

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.

The weight of recycled material is 0 g.

Model nun	nber *	11NA,11	NB,11NC,11ND,11NE	ND,11NE,11NF,11NG,11NH,11NJ,11NK Logo			Longva	
Issue date	sue date * 2021/4/30					Lenovo		
Product environmental attributes - Market requirements (continued) Requi								
Item	Item Yes No n.a.							
			tance requirements					
P7.21*	Biobaseo	d plastic m	aterial content is used	in the product (See No	OTE B7):			
	<ul> <li>If YES; at least one of the two alternatives below shall be answered;</li> <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> <li>or</li> <li>b) The weight of the biobased plastic material is g.</li> </ul>							
P7.22*				naterial is g. less than 0,1 mg/lamp.				
1 7.22	0		specify: Number of lam	, , ,	um mercury content per	lamp: mg		
P8	Batteries			1	, ,	1		
P8.1*	Battery c	hemical c	omposition: Lithium M	langanese Dioxide				
P9			tion (See NOTE B8)					
P9.1		roduct the		s or energy consumption		I =		
Energy mod	de *		Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standa modes and test m		
Peak (On-r	max)		65 W	65 W	65 W	Full load	<u> </u>	
S4/S5			W	W	0.66 W	Reference		
Off Mode			W	W	0.24 W	Use for ErP (Poff	)	
EPS No-loa (External power si	upply / charger i	plugged in the	W	0.060 W	0.089 W			
wall outlet but disc PTEC * Typical Ene			W	W	W			
ETEC * Annual Ene	ergy Consi	umption	kWh/year	kWh/year	kWh/year	$E_{TEC} = (8760/1000 + P_{sleep} \times 0.05 + P_{short Idle} \times 0.35)$	long_ldle X 0.15+	
F. 4 I D -		h . E.C	Poff: Off Mode(S	5) - WOL Enabled; Psleep	: Sleep Mode(S3) - WOL I	Enabled; Pidle: Idle S	tate - WOL Enabled	
				Efficiency Marking Pro	olocol) ": VI			
Display res			•					
Default time		٠,						
P9.2*				on is provided with the	product.	T		
P9.3			class (monitors only):					
P10	P10 Emissions							
P10.1	Noise emission – Declared according to ISO 9296 (See NOTE B9)         Mode       Mode description         Statistical upper limit A-weighted sound power level, L <sub>WA.c</sub> (B)							
1 10.1	Idle	IV	HDD:Idle		* 2.5	A-weighted Soulid	POWER IEVER, LWA,c (D)	
	Operatio	n  *	HDD: Operating		* 2.5			
	Other mo	ode D	eclared A-weighted sound	d pressure level (dB)	21.9 (operator position	on desktop – idle)		
	Other mo	ode D	eclared A-weighted sound	d pressure level (dB)	22.0 (operator position 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 <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 <a href="http://www.ecma-international.org/publications/standards/Ecma-370.htm">http://www.ecma-international.org/publications/standards/Ecma-370.htm</a>

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 number *	11NA,11NB,11NC,	11ND,11NE,11NF,11NG	6,11NH,11NJ,11NK		Logo	Loros		
Issue date *	2021/4/19					Leno	VO	14
Product environ	mental attributes	- Market requiremen	ts (continued)			Require	ment	met
Item						Yes	No	n.a.
	Electromagnetic en	nissions						
P10.4	Computer display me voluntary program(s)	eets the requirement for l :	ow frequency electro	magnetic fields o	f the following			
P12	Ergonomics for cor							
P12.1*	The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies.							
P12.2*	The physical input de	evice meets the requirem	ents of ISO 9995 and	d ISO 9241-410.			$\boxtimes$	
P13	Packaging and doc							
P13.1*	Product packaging m Product packaging m Product packaging m	naterial type(s): Corruga naterial type(s): LDPE naterial type(s): EPE	ted single wall weight (kg): 0.0 weight (kg): 0.0		0.601			
P13.2*	Product plastic prima	ary packaging is free fron	n PVC.			$\boxtimes$		
P13.3*		corrugated fiberboard payered fiber content: 80 %		contained perce	entage of minimu	ım		
P13.4*		er and product documen						
P13.5		te this item if paper docu cumentation on paper mo /:						
	Totally chlorine-free Stemental chlorine-free Stementa							
	Processed chlorine-f	ree						
P14	Voluntary programs							
P14.1	The product meets the	ne requirements of the fo	llowing voluntary prog	gram(s):				
	ENERGY STAR® Eco-label:  Eco-label:	Criteria version: Criteria version: Criteria version:	Date: Date: Date:	Product	category: category: category:			
	LCO-label.							
P15	Additional informat	ion (See NOTE B10)						
P9		on of specific configura	tion may vary; desc	ription of the te	sted product co	nfiguratio	n:	
	NOTE: Supplier mak the information conta supplier's knowledge The information prov Representative for m	es no representations, g nined in this document. A available at the time of ided here is approximate nore information.	uarantees, assurance Il information provide completion, and supp and provided for info	es or warranties or d by supplier in t dier shall have no prmational purpos	whether express of his document is possible of obligation to uposes only. See a L	or implied, i provided ba date such ir	regard sed or nforma	า
	ThinkEdge SE30 is E	Edge Computing Device	that does not fall into	a specific produc	xt category.			

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 Lot26 Information Sheet - Network Equipment / Edge Computer -

As required by Commission Regulation (EU) No 801/2013 of 22 August 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for (ErP Lot26).

#### **Products scope of this sheet:**

Smart Speaker, Smart Router

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

Commercial name	ThinkEdge SE30	Logo		
Model Number	11NA,11NB,11NC,11ND,11NE,11NF,11NG,11NH,11NJ,11NK	E,11NF,11NG,11NH,11NJ,11NK		
Issue Date	2017/04/12		Lenovo.	
Additional information	The ThinkEdge SE30 is an Edge Computing Device. It does not fall into a specific category for ErP Lot 3 and being evaluated according to Lot 6/26 regulations. Due to product needs to be activated at any time, ThinkEdge SE30 is inappropriate to have a standby mode.			

P7.1.1	P7.1.1 Product environmental attributes					
(d)	year of manufacture:	2021				
		2027				

## (e) Standby and off mode

Power consumption data	Power off Mode: 0.24 W
the measurement method used	Power off value tested follow IEC EN50564:2011 measurement methodology
a description of how the equipment mode was	To achieve the off mode, press the power button and
selected or programmed,	hold for 5 seconds to turn off the smart assistant
the sequence of events leading to the condition where the equipment automatically changes modes,	As the product needs to be activated at any time, ThinkEdge SE30 is inappropriate to have a standby mode.
any notes regarding the operation of the equipment,	
e.g. information on how the user switches the	
equipment into a condition having networked standby,	
if applicable, the default time after which the power	
management function, or similar function, has	
switched the equipment into the applicable low power	
mode or condition;	

# Network equipment,

whether the equipment is networked equipment; which kind of networked equipment; specify whether the equipment is HiNA equipment or equipment with HiNA functionalities.	ThinkEdge SE30 is equipment with HiNA functionalities
the number and type of network ports and, with the exception of wireless network ports, where these ports are located on the equipment; in particular it shall be declared if the same physical network port accommodates two or more types of network ports, whether all network ports are deactivated before	4 x USB 2.0 2 x USB-C 1 x HMDI 2 x Wired Ethernet 1 x 802.11 Wireless 1 x Bluetooth Wireless
the default time after which the power management function, or a similar function, switches the equipment into a condition providing networked standby	Due to product needs to be active it is inappropriate to provide network standby mode and also inappropriate to have power management that automatically switch to network standby mode
the trigger that is used to reactivate the equipment	N/A
the (maximum) power consumption of the equipment in a condition providing networked standby into which the power management function, or a similar function, will switch the equipment, if only this port is used for remote activation,	N/A
the communication protocol used by the equipment;	

#### (e) Test parameters for measurements,

ambient temperature,	refer to test report
test voltage in V and frequency in Hz,	230V / 50 Hz
total harmonic distortion of the electricity supply	.20/
system,	<2%
information and documentation on the	
instrumentation, set-up and circuits used for electrical	refer to testing standard
testing	

#### Equipment characteristics,

1(c), or the requirements set out in points 2(c) and/or 2(d) and/or 3(b), as applicable, including the time taken to automatically reach standby, or off mode, or another condition which does not exceed the applicable power consumption requirements for off mode and/or standby mode.

In particular, if applicable, a technical justification shall be provided that the requirements set out in point 1(c), or the requirements set out in points 2(c) and/or 2(d) and/or 3(b), are inappropriate for the intended use of equipment. The need to maintain one or more network connections or to wait for a remotely initiated trigger is not considered a technical justification for exemption from the requirements set out in 2(d) in the case of equipment that is not defined as networked equipment by the manufacturer.';

Due to product needs to be activated at any time, ThinkEdge SE30 is inappropriate to automatically reach standby, or off mode;

(f)	External power supply efficiency (if applicable)*:				
	Average active efficiency: 65W 89.68%				
	*internal note: show values for all available external power supplies				
(g)	Measurement methodology used to determine information mentioned in points (m) – external PSU efficiency:  External AC -DC and AC-AC power supplies. Determination of no-load power and average efficiency of active modes in accordance with EN 50563:2011+A1				

1)

The battery[ies] in this product cannot be easily replaced by users themselves.

Акумулаторната[ите] батерия[и] в този продукт не може да се замени[ят] лесно от самите потребители. Las baterías de este producto no pueden ser sustituidas fácilmente por los propios usuarios.

Výměnu baterie/baterií v tomto výrobku by neměli provádět sami uživatelé.
Brugeren kan ikke uden videre udskifte batteriet/batterierne i dette produkt.
Der Akku/die Akkus dieses Produkts kann/können nicht ohne weiteres vom Benutzer selbst ausgetauscht werden.

Kasutajad ei saa selle toote akut/akusid ise hõlpsasti asendada. Η μπαταρία[-ες] στο προϊόν αυτό δεν μπορούν να αντικατασταθούν εύκολα από τους ίδιους τους χρήστες La/les batterie(s présente(s) dans ce produit ne peuvent être facilement remplacée(s) par les utilisateurs eux-mêmes.

Korisnik ne može lako zamijeniti Bateriju sam u ovom proizvodu. La batteria/le batterie in questo prodotto non può/possono essere facilmente sostituita/e dall'utente. Lietotāji paši nevar nomainīt šā ražojuma akumulatoru(-us).

Šio gaminio baterijos [bateriju] pats vartotojas negali lengvai pakeisti. A termék akkumulátorát/akkumulátorait a felhasználó nem tudja egyedül egyszerűen kicserélni. II-batterija/batteriji f'dan iI-prodott ma tistax/jistgħux tiġi/jiġu sostitwita/i mill-utenti stess.

Batteriet [ene] i dette produktet kan ikke lett erstattes av brukerne selv. De batterij(en) in dit product is (zijn) door de gebruiker niet gemakkelijk vervangbaar. Użytkownik nie może sam w łatwy sposób wymienić baterii w tym produkcie.

A ou as baterias deste produto não podem ser facilmente substituídas pelos próprios utilizadores. Bateria (bateriile) din acest produs nu poate (pot) fi ușor înlocuită (înlocuite) de utilizatorii înșiși. Batériu(-ie) v tomto výrobku nemôže vymieňať používateľ.

Baterij/baterije v tem izdelku uporabniki sami ne morejo zlahka zamenjati. Tämän tuotteen akku [akut] ei[vät] ole helposti käyttäjän vaihdettavissa.

Det är inte enkelt för kunden att själv byta ut batteriet/batterierna.

Bu üründeki batarya(lar) kullanıcılar tarafından kolaylıkla değiştirilemez.