



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

## Annex B2 - Product environmental attributes Notebooks and Tablets

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 * e-mail address	Lenovo Global Environmental Affairs Alvin L Carter alcarter@lenovo.com		Lenovo.
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		

	based on product specification or test results based obtained from sample testing), that the product nts given in this declaration.
Type of product *	Notebook
Commercial name *	IdeaPad Flex 5 15
Model number *	81X3
Issue date *	2020/3/24
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.

Issue date *   2020/32/4	Model nu	mber *	81X3	Logo	Long		
Hear   Hazardous substances and preparations   P1.1*   Hazardous substances and preparations   P7.1*   Products do comply with current European RoHS Directive. (See legal reference and NOTE B1)	Issue dat	e *	2020/3/24		Len		<b>J</b> <sub>TM</sub>
P1.1* Products do comply with current European ROHS Directive. (See legal reference and NOTE B1)  P1.2* Products do comply with current European ROHS Directive. (See legal reference and NOTE B1)  P1.3* Products do not contain Asbestos (see legal reference).  Comment: Legal reference has no maximum concentration value.  P1.3* Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrobrionfluorocarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.  P1.4* Products do not contain more than, 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated terphenyl (PCT) in preparations (see legal reference).  P1.5* Products do not contain more than, 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).  P1.6* Parts with direct and protonged skin contact do not release nickel in concentrations above 0,5 µg/cm²/week (see legal reference).  Comment: 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): https://www.lenovo.com/us/en/lenove-REACH-SVHC-Disclosure  P2.2* Batteries  P2.1* If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal 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 reference)  P3.4* The product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal symbol. Information on proper disposal is provided in user manual. (See legal reference)  P3.5* Batteries and accumulators are readily removable. (See legal reference)  P3.1* The product packaging components do not contain more than 0	Product	environ	mental attributes - Legal requirements		Require	men	met
P1.1* Products do comply with current European RoHS Directive. (See legal reference and NOTE B1)  P1.2* Products do not contain Asbestos (see legal reference).  Comment: Legal reference has no maximum concentration value.  P1.3* Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HDFC), hydrochforofluorocarbons (HDFC), hydrochforocarbons (HDFC),	Item				Yes	No	n.a.
P1.2* Products do not contain Asbestos (see legal reference).  Comment: Legal reference has no maximum concentration value.  P1.3* Products do not contain Cozno Eopleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorocarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.  P1.4* Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated concentration values.  P1.5* Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated biphenyl (PCB) in preparations (see legal reference).  P1.5* Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).  P1.6* Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 μg/cm²/week (see legal reference).  P1.7* REACH Article 33 information about substances in articles is available at (add URL or mail contact): https://www.lenovo.com/us/en/Lenovo-REACH-SVHC-Disclosure  P2.1* If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal 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 reference)  P2.3* Batteries and accumulators are readily removable. (See legal reference)  P3. Conformity verification & Eco design (ErP)  P3.1* The product complies with the Eco design requirements for energy-related products, (see legal reference).  Required information is; given in item P15 or added to this document,	P1	Hazardo	ous substances and preparations				
P1.3* Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorocarbons (HCFC), Hallons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.  P1.4* Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated terphenyl (PCT) in preparations (see legal reference).  P1.5* Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).  P1.6* Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 μg/cm²/week (see legal reference).  Comment: 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): https://www.lenovo.com/us/en/Lenovo-REACH-SYHC-Disclosure  P2.8 Batteries  P2.11* If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal 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 reference)  P2.3* Batteries and accumulators are readily removable. (See legal reference)  P3.1* The product is CE-marked to show conformance with applicable legal requirements (see legal reference).  P3.2* The poduct complies with the Eco design (ErP)  P3.1* The poduct complies with the Eco design requirements for energy-related products, (see legal reference).  P4.0* The Declaration of Conformity can be requested at: https://www.lenovo.com/us/en/compliance/eco-declaration hexavalent chromium by weight of these together.  P5.1* Product packaging  P6.1* Product packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium and hexavalent ch	P1.1*	Products	s do comply with current European RoHS Directive. (See legal reference and NOTE	B1)	$\boxtimes$		
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	P6						
I Po. I Information for recyclers/treatment facilities is available (see legal reference).	P6.1*		on 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 *	81X2	Logo	Lanava
Issue date *	2020/3/9		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.			
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.			
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	$\square$		
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):			
	Material type: PC+ABS-GF(40) Material type: PC+ABS Material type: EFD8000	<u>'</u>		
P7.12	Insulation materials of external electrical cables are PVC free.			
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%		$\boxtimes$	
	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.	3		
P7.15	Printed circuit boards, PCBs (without components) are low halogen: all PCBs > 25 g are low halogen	n 🛛		
	as defined in IEC 61249-2-21. (See 1NOTE B2)			
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4:  Marking: FR(40)			
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 #: 35948-25-5	$\boxtimes$		
	Alt. 2: Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g			
	according ISO 1043-4:			$\boxtimes$
P7.18	Alt. 1: Flame retarded plastic parts > 25 g contain the following flame retardant substances/preparations in			
	concentrations above 0,1%:			$\boxtimes$
	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: FR(40)	$\square$		
P7.19	In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been		H	
1 1.10	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):	$\square$		
	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 2.9%. or			
	b) The weight of recycled material is <b>10.1</b> g.			
	b) The weight of recycled material is 10.1 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 <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 number *	81X3	Logo	Lanova
Issue date *	2020/3/24		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	material content is use	d in the product (See N	IOTE B7):		
P7.22*		free from mercury, i.e I specify: Number of la	. less than 0,1 mg/lamp	o. num mercury content p	per lamp: mg	
P8	Batteries	, , , , , , , , , , , , , , , , , , , ,		, , , , , , , , , , , , , , , , , , ,	· · · · · · · · · · · · · · · · · · ·	
P8.1*	Battery chemical	composition: Lithium	Ion/Lithium Manganes	se Dioxide		
P9	Energy consum	ption (See NOTE B8)				
P9.1			els or energy consumpt			
Energy mo	de *	Power level at <b>100</b> V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standard for energy modes and test method *	
Peak (On-	max)	65 W	65 W	65 W	Full load	
Categor	<u>y 1</u>					
Short Idle Enabled	State - WOL	8.38W	8.54W	8.82W	Use for ENERGY STAR V8 registration (P <sub>idle</sub> )	
Long Idle Enabled	State - WOL	2.42W	2.32W	2.53W	Use for ENERGY STAR V8 registration (P <sub>idle</sub> )	
Sleep (S3)	- WOL Enabled	<b>0.78</b> W	0.80W	0.89W	Use for ENERGY STAR V8 registration(P <sub>sleep</sub> )	
Off (S5) - I	WOL Enabled	0.20W	0.22W	0.30W	Use for ENERGY STAR V8 registration(P <sub>off</sub> )	
Off (S5) - I	WOL Disabled	<b>0.20</b> W	0.22W	0.30W	Use for ErP	
EPS No-loa (External power s	ad supply / charger plugged in the connected from the product.)	0.08 W	0.09 W	0.08 W		
PTEC *	ergy Consumption	3.08W	3.26W	3.29W	[	
TEC * Typical En	ergy Consumption	0.518kWh/week	0.548 kWh/week	0.553kWh/week	]	
ETEC * Annual En	ergy Consumption	26.97kWh/year	<b>27.42</b> kWh/year	<b>28.78</b> kWh/year	E <sub>TEC</sub> = (8760/1000) x (P <sub>off</sub> x 0.25 + P <sub>sleep</sub> x 0.35 + P <sub>long_idle</sub> x 0.10+ P <sub>short_idle</sub> x 0.30)	
					led; P <sub>idle</sub> : Idle State - WOL Enabled	
External Po	ower Supply Efficie	ncy Level (International	al Efficiency Marking Pr	rotocol) * : V/		
Display res	solution * : <b>8.294</b> m	egapixels				
Default tim	e to enter energy s	ave mode: 20 minutes	;			T
P9.2*			tion is provided with the	product.		Ħ
P9.3	Energy efficiency	class (monitors only):				
P10	Emissions	, ,,				
-		- Declared according	to ISO 9296 (See NOTI	E B9)		
P10.1	Mode	Mode description	•	Statistical upper lim	nit A-weighted sound power level, LwA,c (E	3)
	Idle	* Idle mode		* 2.9		
	Operation	* Operating (CPU)		* 3.3		
	Other mode	Declared A-weighted sou	nd pressure level (dB) $L_{p{ m A}{ m I}}$	20 (operator positi	on desktop – idle)	
	Other mode	Declared A-weighted sou	nd pressure level (dB) $L_{p{\sf A}{\sf I}}$	20 (operator positi	on desktop – operating)	
		ing to: X ISO 7779		11 ( ) ( ) ( )		
	ivicasureu accord	Other	(only if not covered by	ν ΕCMΔ-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 <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>

Model nui	mber *	81X3					Logo	Long	VO	
Issue date	e *	2020/3/24						Leno	VU	тм
Product	environn	nental attributes	s - Market requiren	nents (con	itinued)			Require	ment	met
Item								Yes	No	n.a.
	Electron	nagnetic emissioi	าร							
P10.4			e requirement for low	frequency el	ectromagnetic field:	s of the foll	owing voluntary	<i>/</i>		
		(s): MPR-II(3 pin A	•							
P12		nics for computin		(100 0044	207 (	()				_
P12.1*			nomic requirements o				gies.		Щ.	Щ.
P12.2*	' '	<u> </u>	neets the requirements	s of ISO 999	95 and ISO 9241-41	0.		$\boxtimes$		
P13		ng and document								
P13.1*		packaging material		weight (kg						
		packaging material packaging material	J 1	weight (kg weight (kg						
P13.2*			kaging is free from PV	<u> </u>	j). <b>0.0003</b>				$\neg$	$\overline{}$
P13.3*			gated fiberboard pack		rify the contained r	oercentage	of minimum n			₩
1 13.3		er recovered fiber o		raging, spec	sily the contained p	Dercentage	Or minimum p	031-		
P13.4*			product documentation	on (tick box):						
	Electi	ronic, 🔀 Paper, 🗌	Other	, ,						
P13.5	(Please	only complete this	item if paper documer	ntation used)	)					
	Ùser and	d product documen	tation on paper media							
	If Yes, pl	ease specify:								
	Totally c	hlorine-free						$\boxtimes$		
	Elementa	al chlorine-free						$\overline{\boxtimes}$		
	Processe	ed chlorine-free						$\Box$		
P14	Volunta	ry programs								
P14.1	The proc	luct meets the requ	irements of the follow	ing voluntar	y program(s):					
	ENEDO	( OT 1 D C	0.11		5	<b>.</b>				
		Y STAR® H: <b>EPEAT</b>	Criteria version: V8 Criteria version: 1.0		Date: 2020/3/24 Date: 2020/3/24	Product of Product of	category: 2			
	Eco-labe		Criteria version:	U	Date: 2020/3/24 Date: 2020/3/24	Product				
	Eco-labe		Criteria version:		Date:	Product	0 ,			
P15	Addition	nal information (S	ee NOTE B10)				G ,			
P9			pecific configuration							
			representations, guara							
			s document. All inform time of completion, ar							ion
			te and provided for inf							ION
	informati		to and provided for in	ionnational p	oarpoods orny. Occ	a Lonovo r	toodunt repres	CHARLET OF I		
P9	See Ene	rgy Star Qualified I	Notebooks & Tablet C							
	http://ww	w.energystar.gov/i	ndex.cfm?fuseaction=	find_a_prod	luct.showProductGr	oup&pgw_	code=CO			
1										

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** - PC / Notebook -

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:**

Desktop computer, integrated desktop computer, and notebook computer

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

Commercial name	IdeaPad Flex 15IIL05	Logo
Model Number	81X3	Lanova
Issue Date	2020/3/24	Leliovo.
Additional information		

d)	year of manufacture:				2020
e)	Etec value (kWh) per ErP Lot 3 Catego disabled and if the system is tested with				cards (dGfx) are
f)	Etec value (kWh) per ErP Lot 3 Categorenable	ry and capability adjust	ments applied when <b>a</b>	ll discrete graphics (	cards (dGfx) are
		Category A (according to ErP Lot 3)	Category B (according to ErP Lot 3)	Category C (according to ErP Lot 3)	Category D (according to ErP Lot 3)
	Memory over base [GB]	12	12		
ents ting	Additional internal storage	No (Yes / No)	No (Yes / No)	(Yes / No)	(Yes / No)
capability adjustments applied during testing	Discrete television tuner	No (Yes / No)	No (Yes / No)	(Yes / No)	(Yes / No)
ability a lied du	Discrete Audio Card	No (Yes / No)	No (Yes / No)	(Yes / No)	(Yes / No)
capa	Discrete graphics Card(s) [number / #]	No #: (Yes / No)	Yes #: N17S-G3 (Yes / No)	#: (Yes / No)	#: (Yes / No)
	Category of discrete graphics Card(s)				
saults	Etec Value (kWh) - dGfx disabled all discrete graphics cards (dGfx) are disabled/ UMA is active for switchable graphics/ product has no graphics cards (dGfx)	31.8	N/A		
Test results	Etec Value (kWh) - dGfx enabled all discrete graphics cards (dGfx) are enabled	N/A	47.8		
g)	Idle state power demand (Watts);				2.53
า)	Sleep mode power demand (Watts);				N/A
)	Sleep mode with WOL enabled power de	emand (Watts) (where	enabled);		0.89
)	Off mode power demand (Watts);				N/A
k)	Off mode with WOL enabled power dem	and (Watts) (where en	abled);		0.30
l)	Internal power supply efficiency at 10 %	, 20 %, 50 % and 100 °	% of rated output power	er (if applicable):	
	10% N/A 20% N/A 50% N/A 100%	N/A Average N/A			
m)	external power supply efficiency (if appli	cable)*:			
	Average active efficiency: 65W: 88.48%	%,87.89%,88.1 <b>2</b> %,89.7	3%		
	*internal note: show values for all available external p	ower supplies			
o)	Minimum number of loading cycles that	the batteries can withs	tand (applies only to no	otebook computers):	300 cycles
p-1)	Measurement methodology used to dete	ermine information mer <b>NA</b>	itioned in points (I) – in	ternal PSU efficiency:	:
p-2)	Measurement methodology used to dete	ermine information mer 63:2011 measuremen		external PSU efficiend	cy:

(p-3) Measurement methodology used to determine information mentioned in points (o) – loading cycles batteries:  EN 61960 measurement methodology				
(p-4)	Measurement methodology used to determine information mentioned in maximum, idle, sleep, off mode power as defined in Point P9.1 in the Product IT Eco Declaration:  EN 62623:2013 measurement methodology			
(d)	Sequence of steps for achieving a stable condition with respect to power demand:  EN 62623:2013 measurement methodology			
(r)	Description of how sleep and/or off mode was selected or programmed:  **Based on user manual**  **Based on user manual**			
(s)	) Sequence of events required to reach the mode where the equipment automatically changes to sleep and/or off mode:  Based on user manual			
(t)	Duration of idle state condition before the computer automatically reaches sleep mode, or another condition which does not exceed the applicable power demand requirements for sleep mode (in minutes):  30 mins			
(u)	Length of time after a period of user inactivity in which the computer automatically reaches a power mode that has a lower power demand requirement than sleep mode (in minutes):  180 mins			180 mins
(v)	Length of time before the display sleep mode is set to activate after user inactivity (in minutes):			10 mins
(w)	Information on the energy-saving potential of power management functionality:  Based on user manual			
(x)	user information on how to enable the power management functionality:  Based on user manual			
(z)	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:  230V, 50GHz, Total Harmonic Distortion <2 %			
Additional Notebook Battery Information:				
		Battery[ies] <u>not</u> user replaceable  The battery[ies] in this product cannot be easily replaced by users themselves. 1)	Battery[ies] user replaceable	n/a
Internal/built-in Battery				
External/detachable Battery				
Bios Backup Battery				
Other:				
Additional information				
) he battervlies 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 užívatelé. 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 latwy 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.