



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 *	ThinkPad X390 Yoga
Model number *	20NN, 20NQ
Issue date *	2019/1/25
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 "		20NN, 20NQ	Logo	Lend		
Issue dat	te *	2019/1/25		LEIK		J _{TM}
Product	environ	mental attributes - Legal requirements		Require	ment	met
Item				Yes	No	n.a.
P1	Hazardo	us substances and preparations				
P1.1*		do comply with current European RoHS Directive. (See legal reference and NOTE	EB1)	\boxtimes		
P1.2*		do not contain Asbestos (see legal reference). tt: Legal reference has no maximum concentration value.				
P1.3*	hydrobro trichloro	do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), mofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachethane, methyl bromide (see legal reference). Comment: Legal reference has no mation values.				
P1.4*	terpheny	do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychl (PCT) in preparations (see legal reference).				
P1.5*		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).	bon atoms in the	€ 🔀		
P1.6*	(see lega	h direct and prolonged skin contact do not release nickel in concentrations above 0 al reference). at: Max limit in legal reference when tested according to EN1811:2011-5.),5 μg/cm²/week			
P1.7*	REACH	Article 33 information about substances in articles is available at (add URL or mail w.lenovo.com/social_responsibility/us/en/environment.html	contact):			
P2	Batterie	S				
P2.1*	If the pro	duct contains a battery or an accumulator, the battery/accumulator is labeled with t				
		Information on proper disposal is provided in user manual. (See legal reference)	the disposal		Ш	Ш
P2.2*	symbol.	information on proper disposal is provided in user manual. (See legal reference) or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadm	·			
	symbol. Batteries reference	information on proper disposal is provided in user manual. (See legal reference) or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadm	·			
P2.2*	symbol. Batteries reference Batteries Conform	Information on proper disposal is provided in user manual. (See legal reference) or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadnet and accumulators are readily removable. (See legal reference) nity verification & Eco design (ErP)	nium. (See legal			
P2.2*	symbol. Batteries reference Batteries Conforn The proc	Information on proper disposal is provided in user manual. (See legal reference) or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadme) and accumulators are readily removable. (See legal reference)	nium. (See legal			
P2.2* P2.3* P3	symbol. Batteries reference Batteries Conform The proceute The process The proceute The proceute The proceute The proceute The process The pr	Information on proper disposal is provided in user manual. (See legal reference) or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadme) and accumulators are readily removable. (See legal reference) nity verification & Eco design (ErP) luct is CE-marked to show conformance with applicable legal requirements (see legal	nium. (See legal			
P2.2* P2.3* P3.1*	symbol. Batteries reference Batteries Conform The proceute The proceute Conform The proceed Conform The proceute	Information on proper disposal is provided in user manual. (See legal reference) or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmed and accumulators are readily removable. (See legal reference) Inity verification & Eco design (ErP) Ituat is CE-marked to show conformance with applicable legal requirements (see legal ration of Conformity can be requested at: https://www.lenovo.com/us/en/compliar Ituat complies with the Eco design requirements for energy-related products, all reference). I information is; given in item P15 or added to this document,	gal reference).			
P2.2* P2.3* P3 P3.1* P3.2*	symbol. Batteries reference Batteries Conform The proceute The proceute Conform The proceute Required Required	Information on proper disposal is provided in user manual. (See legal reference) or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmed and accumulators are readily removable. (See legal reference) Inity verification & Eco design (ErP) Ituat is CE-marked to show conformance with applicable legal requirements (see legal reaction of Conformity can be requested at: https://www.lenovo.com/us/en/compliar Ituat complies with the Eco design requirements for energy-related products, all reference). Information is; given in item P15 or added to this document, available at: <a compliar"="" en="" href="https://www.lenovo.com/us/en/compliance/epi/comp</td><td>gal reference).</td><td></td><td></td><td></td></tr><tr><td>P2.2* P2.3* P3.1*</td><td>symbol. Batteries reference Batteries Conform The proceute The proceute (see legal Required Product</td><td>Information on proper disposal is provided in user manual. (See legal reference) or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmed and accumulators are readily removable. (See legal reference) inity verification & Eco design (ErP) luct is CE-marked to show conformance with applicable legal requirements (see legal ration of Conformity can be requested at: https://www.lenovo.com/us/en/compliar luct complies with the Eco design requirements for energy-related products, all reference). Information is; given in item P15 or added to this document, available at: https://www.lenovo.com/us/en/compliance/epackaging	gal reference).			
P2.2* P2.3* P3 P3.1* P3.2* P5 P5	symbol. Batteries reference Batteries Conform The proceute The proceute Required Product Packagiin hexavale	Information on proper disposal is provided in user manual. (See legal reference) or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmed and accumulators are readily removable. (See legal reference) Inity verification & Eco design (ErP) Ituat is CE-marked to show conformance with applicable legal requirements (see legal reaction of Conformity can be requested at: https://www.lenovo.com/us/en/compliar Ituat complies with the Eco design requirements for energy-related products, all reference). I information is;	gal reference). nce/eu-doc			
P2.2* P2.3* P3 P3.1* P3.2* P5 P5 P5.1*	symbol. Batteries reference Batteries Conform The proceute of the proceute o	Information on proper disposal is provided in user manual. (See legal reference) or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmed) and accumulators are readily removable. (See legal reference) Inity verification & Eco design (ErP) Ituct is CE-marked to show conformance with applicable legal requirements (see legal ration of Conformity can be requested at: https://www.lenovo.com/us/en/compliar Ituct complies with the Eco design requirements for energy-related products, all reference). It information is;	gal reference). nce/eu-doc eco-declaration y, cadmium and of the material(s			
P2.2* P2.3* P3 P3.1* P3.2* P5 P5	symbol. Batteries reference Batteries Conform The process regular reference The process reference	Information on proper disposal is provided in user manual. (See legal reference) or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmed and accumulators are readily removable. (See legal reference) Inity verification & Eco design (ErP) Ituct is CE-marked to show conformance with applicable legal requirements (see legal reaction of Conformity can be requested at: https://www.lenovo.com/us/en/compliar Ituct complies with the Eco design requirements for energy-related products, all reference). It information is;	gal reference). nce/eu-doc eco-declaration y, cadmium and of the material(s			

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.

Information for recyclers/treatment facilities is available (see legal reference).

P6.1*

Model number *	20NN, 20NQ	Logo	Lanava
Issue date *	2019/1/25		LEHOVO.

Product environmental attributes - Market requirements (See General NOTE GN below)							
	- Environmental conscious design	equire	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	\boxtimes					
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.	\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):						
	Material type: CFRP/PC+GF Material type: ABS+PC Material type: PC						
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.						
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	Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4:	\boxtimes					
D7 47	Marking: FR(40) Alt. 1: Chemical specifications of flame retardants in printed circuit boards > 25 g (without components):						
P7.17	TBBPA (additive), TBBPA (reactive) (See NOTE B3), Other: 168G2, CAS #: 99208-50-1	\boxtimes					
			ш				
	Alt. 2: Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according ISO 1043-4:			\square			
			Ш				
P7.18	Alt. 1: Flame retarded plastic parts > 25 g contain the following flame retardant substances/preparations in						
	concentrations above 0,1%: 1. Chemical name: halogen-free organic phosphorus compound, CAS #: confidential (See NOTE B4)		Ш	Ш			
	2. Chemical name: , CAS #: "						
	3. Chemical name: , CAS #: "						
	Alt. 2: Chemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4:		П	\boxtimes			
P7.19	In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been	∺	Ħ				
-	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):						
	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 3.2%. or						
	b) The weight of recycled material is 18.9 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 nui	mber *	20NN, 20	NQ			Logo	Longvo
Issue date	e *	2019/1/2	5	Lellovo			Lenovo.
Product e	nvironn	nental at	tributes - Market r	equirements (contin	nued)		Requirement met
Item							Yes No n.a.
	Material	and subs	tance requirements	(continued)			
P7.21*				I in the product (See No	OTE B7):		
P7.22*			ree from mercury, i.e. specify: Number of lar	less than 0,1 mg/lamp.	um mercury content per	·lamp: mg	
P8	Batteries		specify. Number of lar	iips. and maximi	ann mercury content per	iamp. mg	
P8.1*			omposition: Lithium la	on/Lithium Manganes	e Dioxide		
P9			tion (See NOTE B8)	on, Entire in in an garroo	o Broxido		
P9.1				s or energy consumption	ons are reported:		
Energy mod		TOGGOT THE	Power level at	Power level at	Power level at	Reference/Stan	dard for energy
Lifergy mod	40		100 V AC	115 V AC	230 V AC	modes and test	
Peak (On-n	nax)		65 W	65 W	65 W	Full load	
Category	<u>/ 1</u>						
Short Idle S Enabled	State - W	OL	5.44W	5.55W	5.44W	Use for ENERO registration (P	
Long Idle S Enabled	State - WO	OL	3.17W	3.22W	3.17W	Use for ENERO registration (P.	
Sleep (S3)	- WOL Er	nabled	0.74W	0.73W	0.77 W	Use for ENERO registration(Ps	
Sleep (S3)	- WOL Di	sabled	0.60W	0.61 W	0.66 W	Reference	
Off (S5) - W	VOL Enab	oled	0.37W	0.37W	0.41W	Use for ENERO registration(Po	
Off (S5) - W	VOL Disa	bled	0.35 W	0.33 W	0.38 W	Use for ErP	
EPS No-loa (External power su wall outlet but disc	upply / charger	plugged in the	0.04 W	0.05 W	0.113 W		
PTEC *(2) Typical Ene	ergy Cons	umption	2.31W	2.32W	2.32W		
TEC *(2) Typical Ene	ergy Cons	umption	0.387kWh/week	0.391 kWh/week	0.391 kWh/week		
ETEC *(1) Annual Ene			20.16 kWh/year	20.32kWh/year	20.31 kWh/year	P _{sleep} x 0.35 + F P _{short_Idle} x 0.30))
			Poff: Off Mode(S5) - WO	OL Enabled; Psleep: Sleep	Mode(S3) - WOL Enabled	d; Pidle: Idle State	- WOL Enabled
External Po	wer Supp	ly Efficien	cy Level (International	l Efficiency Marking Pro	otocol) * : V/		
Display reso	olution * :	2.07 meg	apixels				
Default time	to enter	energy sa	ve mode: 20 minutes				
P9.2*		•••		on is provided with the	product		
P9.3			lass (monitors only):		p. 0 d d 0 t.	1	
			lass (monitors only).				
P10	Emission Noise or		Doclared according to	ISO 9296 (See NOTE	DO)		
P10.1	Mode		lode description	JIOO 3230 (SEE NOTE		A-weighted sour	nd power level, L _{WA,c} (B)
1 10.1	Idle		Idle mode		* 3.5	7. Worginieu sour	TO POWOI TOVOI, LWA,C (D)
	Operation		Operating (CPU)		* 3.9		
				d ((1 (1B)			
	Other mo	ode D	eciared A-weighted soun	d pressure level (dB) $L_{p m Am}$	24 (operator position	desktop – idle)	
	Other mo			d pressure level (dB) $L_{p{\sf Am}}$	35 (operator position	desktop – operat	ing)
	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 number *		20NN, 20NQ				Logo	Lenc	V	
Issue dat	te *	2019/1/25					Lenc	V U	тм
Product	environr	nental attribu	tes - Market requireme	ents (continued)			Require	ment	met
Item							Yes	No	n.a.
		nagnetic emiss							
P10.4			the requirement for low frence in AC adapter only)	equency electromagnetic f	fields of the foll	lowing voluntar	ry 🔀		
P12		nics for compu							
P12.1*			rgonomic requirements of I	ISO 9241-307 for visual di	splay technolo	gies.		П	\Box
P12.2*	The phy	sical input devic	e meets the requirements	of ISO 9995 and ISO 924	1-410.			П	$\overline{\Box}$
P13	Packaging and documentation								
P13.1*	Product	packaging mate	rial type(s): paper	weight (kg): 0.412 weight (kg): 0.934 weight (kg): 0.019					
P13.2*	Product	plastic primary p	packaging is free from PVC) .					
P13.3*			rrugated fiberboard packa er content: 65 %	ging, specify the containe	ed percentage	of minimum	post-		
P13.4*		media for user a ronic, ⊠Paper,	nd product documentation Other	(tick box):					
P13.5	Úser and		nis item if paper documenta nentation on paper media is						
	•	hlorine-free al chlorine-free							
	Process	ed chlorine-free					Ä		
P14	Volunta	ry programs							
P14.1	The prod	luct meets the re	equirements of the followin	ig voluntary program(s):					
	Eco-labe		Criteria version: V7.1 Criteria version: 1.0 Criteria version:	Date: 2019/1/2 Date: 2019/1/2 Date: 2019/1/2	25 Product	category: 1 category: category:			
P15	Addition	nal information	(See NOTE B10)						
P9			f specific configuration r						
	informati knowled provided	on contained in ge available at t here is approxi	no representations, guaran this document. All informa he time of completion, and mate and provided for info	tion provided by supplier i supplier shall have no ob	n this docume ligation to upda	nt is provided bate such inform	pased on supp nation. The in	olier's format	tion
		provided here is approximate and provided for informational purposes only. See a Lenovo Account Representative for more information. See Energy Star Qualified Notebooks & Tablet Computers for the latest information:							

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	ThinkPad X390 Yoga	Logo	
Model Number	20NN, 20NQ		Lenovo
Issue Date	2019/1/25		reliovo"
Additional information			

(d)	year of manufacture:				2018		
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 Category and capability adjustments applied when all discrete graphics cards (dGfx) are enable						
		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				
ents	Additional internal storage	(Yes / No)	No (Yes / No)	(Yes / No)	(Yes / No)		
capability adjustments applied during testing	Discrete television tuner	(Yes / No)	No (Yes / No)	(Yes / No)	(Yes / No)		
ability a lied du	Discrete Audio Card	(Yes / No)	No (Yes / No)	(Yes / No)	(Yes / No)		
cape	Discrete graphics Card(s) [number / #]	#: (Yes / No)	No #: No (Yes / No)	#: (Yes / No)	#: (Yes / No)		
	Category of discrete graphics Card(s)		No				
esults	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				
Test results	Etec Value (kWh) - dGfx enabled all discrete graphics cards (dGfx) are enabled						
g)	Idle state power demand (Watts);	1	<u> </u>	1	3.23		
h)	Sleep mode power demand (Watts);				0.90		
i)	Sleep mode with WOL enabled power d	emand (Watts) (where	enabled);		0.77		
j)	Off mode power demand (Watts);				0.44		
k)	Off mode with WOL enabled power dem	and (Watts) (where en	abled);		0.57		
(I)	Internal power supply efficiency at 10 %	, 20 %, 50 % and 100 °	% of rated output pow	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: 89,41%	%,88,62%,88,96%					
	*internal note: show values for all available external p						
(o)	Minimum number of loading cycles that	the batteries can withst	tand (applies only to n	otebook computers):	300 cycles		
(p-1)	Measurement methodology used to dete	ermine information men	tioned in points (I) – in	nternal PSU efficiency	:		
(p-2)	Measurement methodology used to dete	ermine information men		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					
(q)	Sequence of steps for	or achieving a stable condition with respect to power EN 62623:2013 measurement methodo				
(r)	Description of how sl	eep and/or off mode was selected or programmed: Based on user manual				
(s)	Sequence of events off mode:	required to reach the mode where the equipment aut Based on user manual	iomatically changes to sleep and/or			
(t)	condition which does	te condition before the computer automatically rent not exceed the applicable power demand requirement	ents for sleep mode (in minutes):	30 mins		
(u)	•	a period of user inactivity in which the compute ver power demand requirement than sleep mode (in	•	180 mins		
(v)		re the display sleep mode is set to activate after		10 mins		
(w)		nergy-saving potential of power management function Based on user manual				
(x)	user information on h	now to enable the power management functionality: Based on user manual				
(z)		neasurements: — test voltage in V and frequency in tem, — information and documentation on the instruction. 230V, 50GHz, Total Harmonic Distortion.	mentation, set-up and circuits used			
Addition	al Notebook Batter	y Information:				
		Battery[ies] not user replaceable	Battery[ies] user replaceable	n/a		
		The battery[ies] in this product cannot be easily replaced by users themselves. 1)				
Internal/b	ouilt-in Battery					
External/	detachable Battery					
Bios Bac	kup Battery					
Other:						
Additiona	l information					
1)						
The battery[ie	s] 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.

Τασυία μα 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 [baterijų] pats vartotojas negali lengvai pakeisti. A termék akkumulátorát/akkumulátorait a felhasználó nem tudja egyedül egyszerűen kicserélni.

II-batterija/batteriji f'dan iI-prodott ma tistav/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.