

ecma

IC - "ALTO CASENTINO" Prot. 0006117 del 18/08/2023 VI-2 (Entrata)

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

Annex B2 - Product environmental attributes **Computers and computer monitors**

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 *	HP	Logo	
Company name *	HP		
Contact information *	HP Sustainability and Compliance Center		
e-mail address	sustainability@hp.com		
Internet site *	http://www.hp.com/hpinfo/globalcitizenship/environment/		
Additional information			

The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration.				
Type of product *	Notebook PC			
Commercial name *	HP 250 G8 Notebook PC			
Model number *	250 G8			
Issue date *	11/6/2020			
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 n	umber *	250 G8	Logo			
Issue date *		11/6/2020			<i>D</i>	
Produc	t environ:	mental attributes - Legal requirements		Require		t met
Item				Yes	No	n.a.
P1		bus substances and preparations				
P1.1*		do comply with current European RoHS Directive. (See legal reference and NOTE	: B1)			
P1.2*	Comme	s do not contain Asbestos (see legal reference). nt: Legal reference has no maximum concentration value.				
P1.3*	hydrobro trichloro	s do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), pmofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrach ethane, methyl bromide (see legal reference). Comment: Legal reference has no m ration values.		,1-		
P1.4*	terpheny	s do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polych l (PCT) in preparations (see legal reference).		\boxtimes		
P1.5*		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).	bon atoms	in the		
P1.6*	(see leg	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 μ g/cm ²/	/week 🔀		
P1.7*	REACH Article 33 information about substances in articles is available at (add URL or mail contact):					
P2	Batterie		<u>.</u>			
P2.1*	If the pro	duct contains a battery or an accumulator, the battery/accumulator is labeled with	the dispose	al 🔀		
P2.2*	symbol. Information on proper disposal is provided in user manual. (See legal reference) Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal					
P2.3*						\boxtimes
P3	Conform	nity verification & Eco design (ErP)				
P3.1*	The product is CE-marked to show conformance with applicable legal requirements (see legal reference).					
		w8.hp.com/uk/en/certifications/technical/regulations-certificates.html sustainabil	ity@hp.c	com		
P3.2*		duct complies with the Eco design requirements for energy-related products, al reference).		\bowtie		
	Require	d information is; Z given in item P15 or added to this document, available at (add URL):				
P5	Product	packaging				
P5.1*	Packagi	ng and packaging components do not contain more than 0,01% lead, mercury	y, cadmiur	m and 🔀		
P5.2*	The pac	kaging materials are marked with abbreviations and numbers indicating the nature (e legal reference).	of the mate	erial(s) 🔀		
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (see legal reference). (see legal reference). Comment: Legal reference has no maximum concentration values.					
P6		ent information				
P6.1*	Informat	ion for recyclers/treatment facilities is available (see legal reference).		\boxtimes		
	-					

NOTE B1 Restriction applies to the homogeneous material, unless other specified and expressed in weight %. Stating "Yes" means that the product is compliant with the mandatory requirements.

Model nu	umber *	250 G8 Logo				
Issue date *		11/6/2020		D		
Product		mental attributes - Market requirements (See General NOTE GN below) nmental conscious design	Require	mont	met	
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.					
P7	Design		Yes	No	n.a.	
		mbly, recycling				
P7.1*		t have to be treated separately are easily separable	\square			
P7.2*		aterials in covers/housing have no surface coating.	\boxtimes			
P7.3*	Plastic pa	arts > 100 g consist of one material or of easily separable materials.	\boxtimes			
P7.4*	Plastic pa	arts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.	\square			
P7.5	Plastic pa	arts are free from metal inlays or have inlays that can be removed with commonly available tools.	\square			
P7.6*	Labels a	re easily separable. (This requirement does not apply to safety/regulatory labels).				
	Product	lifetime				
P7.7*	Upgradin	g can be done e.g. with processor, memory, cards or drives	\square			
P7.8*	Upgradin	g can be done using commonly available tools				
P7.9	Spare pa	rts are available after end of production for: 5 years	¥		Π	
P7.10	Service i	s available after end of production for: 5 years			Ē	
	Material	and substance requirements				
P7.11*		cover/housing material type (e.g. plastics, metal, aluminum): type: PC+ABS Material type: Material type:				
P7.12		n materials of external electrical cables are PVC free.		\square		
P7.13	Insulation materials of internal electrical cables are PVC free.				H	
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)					
P7.16		tarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4:	\square			
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; chemical name: , CAS #:					
		emical specifications of flame retardants in printed circuit boards (without components) > 25 g g ISO 1043-4: <i>FR</i> (<i>40</i>)	\boxtimes			
P7.18	concentra	ame retarded plastic parts > 25 g contain the following flame retardant substances/preparations in ations above 0,1%: cal name: , CAS #: (See NOTE B4)	ו			
	2. Chemi 3. Chemi	cal name: , CAS #: " cal name: , CAS #: "				
		emical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4: <i>FR(40)</i>				
P7.19	assigned effects t The sour	parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been the following Risk phrases; <i>N/A</i> and Hazard statements: <i>H413 - May cause long lasting harmful o aquatic life</i> ce(s) for these classifications is/are found at (add URL(s)):				
P7.20*		ha.europa.eu/web/guest/information-on-chemicals/cl-inventory-database (See note B5) sumer recycled plastic material content is used in the product (See Note B6):	\square			
	a) Of t	t least one of the two alternatives below shall be answered; otal plastic parts' weight > 25 g, the postconsumer recycled plastic material content (calculated as ercentage of total plastic by weight) is 2.0 %.				
	Or 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.

NOTE B7: Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard, criterion 4.2.1.1.

Model number *	250 G8	Logo			
Issue date *	11/6/2020				
Product environm	Product environmental attributes - Market requirements (continued) Requirement me				

Requirement met Yes No n.a.

	Matorial and s	ubstance requirements	(continued)				
P7.21*		c material content is use		NOTE B7):			
	If YES; at least a) Of total pla total plasti or	one of the two alternative astic parts' weight > 25 g, c by weight) is %.	es below shall be answ the biobased plastic r	vered;			
P7.22*		t of the biobased plastic re free from mercury, i.e.).			
	If mercury is used specify: Number of lamps: and maximum mercury content per lamp: mg						
P8	Batteries	al a successivity of the large to					
P8.1*	•	al composition: <i>lithium id</i>	DII				
P9 P9.1		mption (See NOTE B8) the following power leve	ls or energy consumpt	tions are reported:			
-				-			
Energy m		Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standard for energy modes and test method *		
charger p	power supply / lugged in the wall disconnected fror	<i>0.045</i> W	0.049 W	0.083 W	EPS Energy Report Data		
PTEC * Typical E	nergy Consumptic	w W	W	W	ENERGY STAR® Program Requirements for Computers		
ETEC * Annual Energy Consumption		24.27 kWh/year	24.75 kWh/year	25.76 kWh/year	ENERGY STAR® Program Requirements for Computers		
External F	Power Supply Effic	Level (Internationa	al Efficiency Marking P	rotocol) * : VI	ENERGY STAR® Program Requirements for Computers		
Display re	esolution * : 1920	1080 megapixels			ENERGY STAR® Program Requirements for Computers		
Default tir	me to enter energy	/ save mode: minu	utes		ENERGY STAR® Program Requirements for Computers		
P9.2*	Information abo	out the energy save funct	ion is provided with the	e product.			
P9.3	Energy efficien	cy class (monitors only):					
P10	Emissions						
D (0)		n – Declared according t	o ISO 9296 (See NOT				
P10.1	Mode Mode description Statistical upper limit A-weighted sound power level, $L_{WA,c}$ (B)						
	Idle	* Fans on, HDD spinn	ning (if applicable)	* 2.7			
	Operation	* Fans on, HDD spinn	ning	* 2.8			
	Other mode						
	Measured acco	rding to: 🔀 ISO 7779 🛛	ECMA-74 (only if not covered l				

Item

The following is to be excluded from the calculation of percentage: printed circuit boards, labels, cables, NOTE B7 connectors and electronic components and postconsumer recycled plastic

NOTE B8 A Guidance document on Energy Efficiency is available;

see http://www.ecma-international.org/publications/standards/Ecma-370.htm

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

Model nur	nber *	250 G8			Logo				
Issue date	te * 11/6/2020								
	environn	nental attributes	 Market requirements (cor 	ntinued)		Requ			
Item						Y	es	No	n.a.
D40.4		nagnetic emissions		la de la contra de la	- Cither Collins in such as to				
P10.4	program	(s):	requirement for low frequency e	lectromagnetic fields	s of the following volunta	ry			
P12	Ergonor	nics for computing	products						
P12.1*			omic requirements of ISO 9241-			L		\boxtimes	
P12.2*	The phys	sical input device me	ets the requirements of ISO 999	95 and ISO 9241-410).			\square	
P13		ng and documenta							
P13.1*	Product Product Product	backaging material t backaging material t backaging material t	ype(s): PAPER/Corrugated ype(s): PLASTIC/Polyethylene ype(s): PLASTIC/Polyethylene ype(s): PLASTIC/Polypropylen	low density - LDPI	weight (kg): 0.295 weight (kg): 0.056 weight (kg): 0.010 weight (kg): 0.004	5			
P13.2*	Product	plastic primary pack	aging is free from PVC.				\triangleleft		
P13.3*	For prod	uct primary corruga er recovered fiber co	ited fiberboard packaging, spec ntent: 36 %	cify the contained p	ercentage of minimum	post-			
P13.4*		nedia for user and p c 🔀, Paper 🛄, Ot	roduct documentation (tick box): her						
P13.5	User and		em if paper documentation used tion on paper media is chlorine-				\triangleleft		
	Totally c	hlorine-free				Г			
	Elementa	al chlorine-free					3		
	Processe	ed chlorine-free				Ē			
P14	Volunta	y programs							
P14.1			ements of the following voluntar	y program(s):					
		(STAR® I: EPEAT I:	Criteria version: <i>8.0</i> Criteria version: <i>IEEE 1680.1</i> Criteria version:	Date: 11/6/2020 Date: 11/6/2020 Date:	Product category: <i>Note</i> Product category: <i>Note</i> Product category:				
P15	Addition	al information (See	NOTE B10)						
All Sections	Change		nformation contained in this d ards referenced in the IT Eco-I						
P1	1. This product does not include DEHP, BBP, DIBP, or DBP.								

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.

P7 Product Upgradability and Reparability The following table is provided in accordance with IEEE 1680.1-2018⁶ criterion 4.4.2.5. Available Repairable Replaceable Upgradeable feature [1] [2] [3] [4] processor main memory mass storage (internal) wireless networking integrated graphics discrete graphics display panel integrated keyboard batteries power supply fan assemblies speaker(s) (internal) camera touchpad I/O connectors and external power connector readers [5] Table notes: [1] Y* = feature is available, but may not be included in every configuration [2] Product can be repaired (returned to fully functional state) if feature fails. [3] Feature can be replaced using only commonly available tools without soldering or de-soldering. Y* = replacement may require replacing an assembly to which the feature is attached. [4] Base feature may be upgraded by replacing it with a higher performance module or by expanding capacity through use of expansion slots. NOTE: This evaluation does not account for situations in which the initial configuration purchased is already maximized. Contact HP Sales or an HP authorized reseller to determine the availability of upgrade parts and method to obtain them in your geography. [5] This feature category includes readers such as fingerprint readers, smart card readers, and other read-only devices, but excludes read/write devices P9 Energy consumption of computer products; description of the tested product configuration: **P**9 1. European Union Commission Regulation 1275/2008- Energy Efficiency Information: Mode / Condition Default Time to Mode / Conditi Power Consumption in Watts at 230 VAC Input Voltage (if applicable) Off Mode (if applicable) 0.20 Not Applicable Standby Mode (if applicable) Not Applicable Not Applicable Network Standby / Sleep / Long Idle Mode if 0.91 10 mins all wired network ports are connected and all wireless network ports are activated (if applicable) Network Standby / Sleep / Long Idle Mode (if 0.91 10 mins applicable) 2. European Union Commission Regulation 1275/2008- Wireless Network Instructions: Where applicable, activate and deactivate a wireless network using the instructions provided in the product user guide or the operating system. Information is also available at www.hp.com/support. P10 Sound Pressure Level Noise emission - Declared according to ISO 9296 (See NOTE B9) P10.1 Mode Statistical upper limit A-weighted sound pressure level, Mode description L_{PA,m} (dB) Idle Fans on, HDD spinning (if applicable) 16 19 Operation Fans on, HDD spinning Other mode Measured according to: X ISO 7779 ECMA-74 Other (only if not covered by ECMA-74)

⁶ IEEE Standard for Environmental and Social Responsibility Assessment of Computers and Displays

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



Ecma/TC38-TG3/2015/024

Company environmental profile - THE ECO DECLARATION

Brand	HP	Logo	
Company name *	ЧР		
Contact information *	HP Sustainability and Compliance Center (SCC)		
	sustainability@hp.com		
Internet site *	www.hp.com/hpinfo/globalcitizenship/environment/index.html		
Issue date *	2014-06-01		
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.

The declaration may be published only when all rows and/or fields marked with an * are filled-in (n.a. for not applicable). Additional information regarding each item may be found under C7.

y environmental profile - Legal requirements	requirer	ilent i	net
	Yes	No	n.a.
Product recycling			
The company participates in a system or has its own system for collection and recycling of end of life produc in countries where the company puts them on the market and where required (see legal reference)	ts 🔀		
Battery recycling			
Packaging recycling			
The company participates in a system or has its own system for collection and recycling of packaging materi in countries where the company puts products on the market and where required (see legal reference)	al 🔀		
y environmental profile - Market requirements			
	Yes	NO	n.a.
	\boxtimes		
	\square		
If so certified according to: 🔀 ISO 14001 🔀 Other as specified in C7			
The company regularly publishes an environmental report.	X		
Information about the product, battery & packaging take back system (C1, C2 and C3) is available in printe	ed 🔀		
The company meets the requirements of the following voluntary program/s:			
Voluntary Agreement: Criteria version: Date: Product category: Voluntary Agreement: Criteria version: Date: Product category:			
Additional information			
Imaging Products and Related Operations) and for product design for its Personal Systems Product Enterprise Printing Products. The product design certifications include HP-wide product environm processes (such as HP's General Specification for the Environment) that cover all HP products. HP is committed to responsible business practices and transparency in its global citizenship polici We have a long history of working with suppliers to monitor and improve their social and environm (SER) performance when required, as well as improving standards in the industry. HP endorses the Conduct in its entirety, and we have supplemented it with additional requirements specific to freedow well as HP's Student and Dispatch Worker Guidance Standard for Supplier Facilities in the People's (PRC). HP also has a strong Global Human Rights Policy in place. HP expects its suppliers to estab processes regarding conflict minerals. HP conducts due diligence on its supply chain annually incl information about our suppliers' own due diligence and the smelters and refiners used. HP was the publish its supply chain smelter list. HP follows the Global Reporting Initiative (GRI) guidelines as a The GRI index provides easy reference to HP's Living Progress Report (LPR) content. HP offers tak	ts and La nental des es and pe ental resp EICC Coo om of ass Republic uding req e first IT c basis for e back se	serJet ign rforma oonsib de of ociatic of Ch ies and uestin ompar repor rvices	and ince. ility on as ina g g y to ting. of
	Product recycling The company participates in a system or has its own system for collection and recycling of end of life product in countries where the company puts them on the market and where required (see legal reference) Battery recycling The company participates in a system or has its own system for collection and recycling of batteries i countries where the company puts products on the market (see legal reference) or pays eco tax / fee wher required. Packaging recycling The company participates in a system or has its own system for collection and recycling of packaging materix in countries where the company puts products on the market and where required (see legal reference) y environmental policy and environmental management The company has a documented environmental policy approved by the management. The company has a documented environmental policy approved by the management. The company has a documented environmental report. If so, it meets the recommendations of ∑ The Global Reporting Initiative ☐ Other as specified in C7 Recycling Information about the product, battery & packaging take back system (C1, C2 and C3) is available in printe or electroic format. Voluntary Agreement: Criteria version: Date: Product category: Voluntary Agreement: Criteria version: Date: Product category: Voluntary Agreement: Criteria version: Date: Product cat	Yes Product recycling The company participates in a system or has its own system for collection and recycling of end of life products in countries where the company puts finem on the market and where required (see legal reference) Battery recycling The company participates in a system or has its own system for collection and recycling of batteries in countries where the company puts products on the market (see legal reference) or pays eco tax / fee where required. Packaging recycling The company participates in a system or has its own system for collection and recycling of packaging material in countries where the company puts products on the market and where required (see legal reference) y environmental pofile - Market requirements Requirement Yes Yes Environmental pofile - Market requirements Requirement Yes Yes Environmental pofile - Market requirements Yes Yes Environmental pofile - Market requirements Yes Yes Environmental policy and environmental management Yes The company has a nenvironmental management system covering: Product development Yes Manufacturing Yes Yes Yes If so, it meets the recommendations of Yes (Dabal Reporting Initiative Other as specified in C7 Yes The company mast the requirements of the following voluntary program/s: Yoluntary paremen	Yes No Product recycling The company participates in a system or has its own system for collection and recycling of end of life products in countries where the company puts them on the market and where required (see legal reference) Image: Company participates in a system or has its own system for collection and recycling of batteries in countries where the company puts products on the market (see legal reference) or pays eco tax / fee where required. Packaging recycling The company participates in a system or has its own system for collection and recycling of packaging material in countries where the company puts products on the market and where required (see legal reference) Yenvironmental policy and environmental management Yes The company has an environmental management system covering: Yes Product development Imanufacturing Imanufacturing If so, it meets the recommendations of Image provide by the management. Imanufacturing If so, it meets the recommendations of Image provide by the management. Imanufacturing If so, it meets the recommendations of Image proving linitative Other as specified in C7 Recycling Imation about the product, battery & packaging take back system (C1, C2 and C3) is available in printed Imagement: Yoluntary Agreement: Criteria version: Date: Product category: Yoluntary Agreement: Criteria version: Date: Product category:<

Legal references Europe Annex A

Reference	Declaration item
Directive 2012/19/EU (WEEE directive)	C1.1
Directive 2006/66/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.	C2.1
Directive 2004/12/EC (Packaging Directive)	C3.1
Decision 97/129/EC (Secondary packaging legislation)	C3.1