



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	ו וויי			
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 statemer	nts given in this declaration.			
Type of product *	Desktop			
Commercial name *	HP ProDesk 400 G5 Microtower Business PC			
Model number *	400 G5			
Issue date *	5/28/2018			
Intended market *	☐ Global ☐ Europe ☐ Asia, Pacific & Japan ☐ Americas ☐ Other			
Additional information				

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#### **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 *	400 G5	Logo	100
Issue date *	5/28/2018		

Product	environmental attributes - Legal requirements	Require	men	met
Item		Yes	No	n.a.
P1	Hazardous substances and preparations			
P1.1*	Products do comply with current European RoHS Directive. (See legal reference and NOTE B1)	$\boxtimes$		
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 (HBFC), hydrochlorofluorcarbons (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).	$\mathbf{a}$		
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): http://www.hp.com/hpinfo/globalcitizenship/environment/productdata/reachdesktop-pcs.html			
P2	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 lega reference)	$\boxtimes$		
P2.3*	Batteries and accumulators are readily removable. (See legal reference)	$\boxtimes$		
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):			
	http://www8.hp.com/uk/en/certifications/technical/regulations-certificates.html sustainability@hp.com			
P3.2*	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,			
	available at (add URL):			
	http://h22235.www2.hp.com/hpinfo/globalcitizenship/environment/productdata/europeErPLot3deskiop-pc.html	f		
P5	Product packaging			
P5.1*	Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium an hexavalent chromium by weight of these together.	d 🔀		
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(sused (see legal reference).	s) <u></u>		
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protoco (see legal reference).	ol 🔀		
	Comment: Legal reference has no maximum concentration values.			
P6	Treatment information			
P6.1*	Information 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 *	400 G5	Logo	1
Issue date *	5/28/2018		

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.		$\overline{\Box}$	
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.		$\overline{\Box}$	
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.		Ħ	
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.		П	
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).		Ħ	
	Product lifetime			
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	$\square$		
P7.8*	Upgrading can be done using commonly available tools		$\overline{\Box}$	
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: Material type: Material type:			
P7.12	Insulation materials of external electrical cables are PVC free.		$\boxtimes$	
P7.13	Insulation materials of internal electrical cables are PVC free.			
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			
D7.45	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	Ш		Ш
D7.40	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:	Ш	Ш	
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 #:			
	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%:			
	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(16)	$\boxtimes$		
P7.19	In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been			
	assigned the following Risk phrases; and Hazard statements:			
	The source(s) for these classifications is/are found at (add URL(s)):			
P7.20*	http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database (See note B5)  Postconsumer recycled plastic material content is used in the product (See Note B6):	$\square$		
1 7.20	1 osteonisamen recycled plastic material content is used in the product (occ vote 50).		Ш	
	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 20%.			
	or b) The weight of recycled material is			
	b) The weight of recycled material is g.			

GENERAL NOTE Standard references should direct to the latest version of a standard. If an older version of a standard is used, section P15 shall be used for explanation.

NOTE B2 IEC 61249-2-21 defines maximum limits of 900 ppm for each of the substances chlorine and bromine and a maximum limit of 1500ppm of these substances combined. The standard does not address fluorine, iodine and astatine which are included in the group of halogens.

NOTE B3 and B4 A Guidance document on Chemical substances is available; see <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 *	400 G5	Logo	1
Issue date *	5/28/2018		

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

P7.21*		ostance requirements material content is used		OTE B7):					
1 7.21		ne of the two alternative		,					
	a) Of total plas	tic parts' weight > 25 g, by weight) is %.			ted as a percentage of				
	or								
P7.22*		of the biobased plastic refree from mercury, i.e.							
F1.22		d specify: Number of lar		um mercury content pe	er lamp: mg				
P8	Batteries								
P8.1*	Battery chemical composition: <i>lithium/manganese dioxide</i>								
P9		ption (See NOTE B8)							
P9.1	For the product t	ne following power level	ls or energy consumption	ons are reported:					
Energy mo	ode *	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 *				
EPS No-lo	ad	W	W	W	EPS Energy Report Data				
	oower supply /								
	ugged in the wall disconnected from								
the produc									
PTEC *		W	W	W	ENERGY STAR® Program	$\boxtimes$			
Typical En	ergy Consumption				Requirements for Computers: Ver. 6.1				
ETEC *		65 69 kWh/yoor	62 40 k\\/b/yoor	61 40 kWh/yoor		_			
_	ergy Consumption	65.68 kWh/year	<b>63.40</b> kWh/year	61.40 kWh/year	ENERGY STAR® Program Requirements for Computers: Ver. 6.1				
External P	ower Supply Efficion	ency Level (Internationa	l Efficiency Marking Pro	otocol) *:	ENERGY STAR® Program Requirements for Computers: Ver. 6.1				
Display res	solution * :	megapixels			ENERGY STAR® Program	$\boxtimes$			
					Requirements for Computers: Ver. 6.1				
Default tim	ne to enter energy	save mode: minu	ites		ENERGY STAR® Program Requirements for Computers:				
					Ver. 6.1				
P9.2*		t the energy save functi	on is provided with the	product.					
P9.3	Energy efficiency	class (monitors only):							
P10	Emissions  Noise emission – Declared according to ISO 9296 (See NOTE B9)								
P10.1	Mode	<ul> <li>Declared according to Mode description</li> </ul>	5 ISO 9296 (See NOTE		it A-weighted sound power level,				
1 10.1	Widde	Mode description		L <sub>WA,c</sub> (B)	it A-weighted sound power level,				
	Idle	* Fans on, HDD spinn		* 3.4					
	Operation	* Fans on, HDD spinn	ing	* 3.4					
	Other mode								
	Measured accord	ling to: 🔀 ISO 7779 🛭							
	Other (only if not covered by ECMA-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 number *		400 G	5			Logo		1			
Issue date	Issue date * 5/28/2018		018								
<b>Product</b>	environn	nental	attributes - Market requirer	nents (contir	rued)		R	equire	ment	met	
Item								Yes	No	n.a.	
			ic emissions								
P10.4	Compute program		ay meets the requirement for low	frequency elect	romagnetic fields of	of the following vo	luntary	Ш			
P12			r computing products								
P12.1*			ets the ergonomic requirements of			technologies.					
P12.2*			out device meets the requirement	s of ISO 9995 a	and ISO 9241-410.						
P13.1*			documentation ing material type(s): PAPER/Cor	rugated		weight (k	g): <b>1.272</b>				
	Product Product	packagi packagi	ing material type(s): PLASTIC/Poing material type(s): PLASTIC/	olyethylene Ex olyethylene lov		weight (k					
P13.2*			orimary packaging is free from P\					$\boxtimes$			
P13.3*			mary corrugated fiberboard packered fiber content: 0%	kaging, specify	the contained per	rcentage of minin	num post-				
P13.4*			or user and product documentation of the commentation of the comment of the comme	on (tick box):							
P13.5		d produc	mplete this item if paper documer ct documentation on paper media pecify:		<b>9</b> :						
	Totally c Element										
	Process	ed chlor	ine-free								
P14	Volunta	ry prog	rams								
P14.1	The prod	duct me	ets the requirements of the follow	ving voluntary p	rogram(s):						
	ENERG' Eco-labe	el: <b>EPE</b>		EE 1680.1 D	ate: 5/28/2018	Product category: Product category: Product category:					
P15	Addition	nal info	rmation (See NOTE B10)								
P9	Energy	consun	nption of computer products; o	description of	the tested produc	t configuration:					
All Sections		s to ext	ironmental information contain ternal standards referenced in er								
P9			nion Commission Regulation 1								
	Mode /	Conditi	ion	Power Consul Voltage	mption in Watts at :	·	Default Tim (if applicabl		ode / (	Condit	
	Off Mo	de (if ap	pplicable)				Not Applicable				
	Standb	y Mode	(if applicable)	Not Applicable	Э	1	Not Applica	ıble			
	Network Standby / Sleep / Long Idle Mode if all wired network ports are connected and all wireless network ports are activated (if applicable)										
	Network Standby / Sleep / Long Idle Mode (if applicable)										
	2.European Union Commission Regulation 1275/2008- Wireless Network Instructions:			ons:							
	operating	gsysten	le, activate and deactivate a wirelen. Information is also available a			s provided in the p	roduct use	r guide (	or the		
P10	Sound F										
P10.1	Mode	mission	n – Declared according to ISO 92  Mode description	96 (See NOTE		limit A-weighted s	sound press	sure lev	el,		
1					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.

Idle	* Fans on, HDD spinning (if applicable)	* 25		
Operation	* Fans on, HDD spinning	* 26		
Other mode				
Measured according to: ☐ ISO 7779 ☐ ECMA-74				
Other (only if not covered by ECMA-74)				

## 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 *	HP		
Contact information *	HP Sustainability and Compliance Center (SCC) sustainability@hp.com	np)	
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			

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Company	mpany environmental profile - Legal requirements		Requirement met			
Item		Yes	No	n.a.		
C1	Product recycling					
C1.1*	The company participates in a system or has its own system for collection and recycling of end of life produ	cts				
	in countries where the company puts them on the market and where required (see legal reference)					
C2	Battery recycling					
C2.1*	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 whe	ere				
	required.					
C3	Packaging recycling					
C3.1*	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)					
Company	convironmental profile. Market requirements	Doguiror	nont r	not		
	environmental profile - Market requirements	Requirer				
Item C4	Environmental policy and environmental management	Yes	No	n.a.		
C4.1*	Environmental policy and environmental management  The company has a decumented environmental policy approved by the management					
_	The company has a documented environmental policy approved by the management.	$\boxtimes$				
C4.2*	The company has an environmental management system covering:					
	Product development	$\bowtie$				
	Manufacturing					
	If so certified according to: 🛛 ISO 14001 🔲 Other as specified in C7					
C4.3	The company regularly publishes an environmental report.	$\boxtimes$				
	If so, it meets the recommendations of					
C5	Recycling					
C5.1*	Information about the product, battery & packaging take back system (C1, C2 and C3) is available in print	ed 🔀				
	or electronic format.					
C6	Voluntary programs					
C6.1	The company meets the requirements of the following voluntary program/s:					
	Valuntary Agrapments Critaria varaions Data					
	Voluntary Agreement: Criteria version: Date: Product category: Voluntary Agreement: Criteria version: Date: Product category:					
07						
C7	Additional information					
	HP has received ISO 14001 certification for its manufacturing operations (Worldwide Manufacturin	•	_			
	Imaging Products and Related Operations) and for product design for its Personal Systems Products and LaserJet and					
	Enterprise Printing Products. The product design certifications include HP-wide product environmental design processes (such as HP's General Specification for the Environment) that cover all HP products.					
	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 policies and performance.					
	We have a long history of working with suppliers to monitor and improve their social and environment					
	(SER) performance when required, as well as improving standards in the industry, HP endorses th			,		
	Conduct in its entirety, and we have supplemented it with additional requirements specific to freed			n as		
	well as HP's Student and Dispatch Worker Guidance Standard for Supplier Facilities in the People					
	(PRC). HP also has a strong Global Human Rights Policy in place. HP expects its suppliers to esta	blish polic	ies and	1		
	processes regarding conflict minerals. HP conducts due diligence on its supply chain annually including requesting					
	information about our suppliers' own due diligence and the smelters and refiners used. HP was the first IT company to					
	publish its supply chain smelter list. HP follows the Global Reporting Initiative (GRI) guidelines as a basis for reporting.					
	The GRI index provides easy reference to HP's Living Progress Report (LPR) content. HP offers ta					
	products and printing suppliers in some 70 countries. Please refer to HP's Livings Progress Repo	rt for more	details	on		
	our global efforts.					

## 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