



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	conforms to the statements given in this declaration.					
Type of product *	AiO					
Commercial name *	HP ProOne 600 G4 Touch All-in-One Business PC					
Model number *	600 G4					
Issue date *	6/11/2018					
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 *	600 G4	Logo	
Issue date *	6/11/2018		

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),	\boxtimes		
	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		$\overline{}$	
F 1.4	terphenyl (PCT) in preparations (see legal reference).		Ш	
P1.5*	Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the	e 🔀		
	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).			
D4 7*	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):	\boxtimes	Ш	Ш
	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			\boxtimes
	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			\boxtimes
P2.3*	reference) Batteries and accumulators are readily removable. (See legal reference)		$\overline{}$	\square
P3	<u> </u>			
	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):		Ш	Ш
	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).	\boxtimes		
	Required information is; given in item P15 or added to this document,	\square		
	available at (add URL):			
	http://h22235.www2.hp.com/hpinfo/globalcitizenship/environment/productdata/europeErPLot3desk	•		
	op-pc.html	•		
P5	Product packaging			
P5.1*	Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium an	d 🔀	$\overline{\Box}$	
	hexavalent chromium by weight of these together.		ш	
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s	s) 🔀		
DE 0*	used (see legal reference).	N [7]		
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protoco (see legal reference).	ol 🔀	Ш	Ш
	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 *	600 G4	Logo	1
Issue date *	6/11/2018		

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.	\boxtimes		
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.	\square		
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.	\boxtimes	Ħ	
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.		Ħ	
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	X	Ħ	
	Product lifetime			
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	\square	П	
P7.8*	Upgrading can be done using commonly available tools		Ħ	
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: >ABS< Material type: >PC+ABS< 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%	$\overline{\boxtimes}$	$\overline{\sqcap}$	
	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			
P7.15	more than 25% post-consumer recycled content.			
1 7.13	Printed circuit boards, PCBs (without components) are low halogen: all PCBs > 25 g are low halogen	Ш		ш
P7.16	as defined in IEC 61249-2-21. (See 1NOTE B2) Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4:		$\overline{}$	
F7.10	Marking: FR(40)		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: (FR(40) for DOPO)	\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(40)	\boxtimes	Щ	
P7.19	In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been	\bowtie		
	assigned the following Risk phrases; R53 and Hazard statements:			
	H413 May cause long-lasting harmful effects to aquatic life			
	The source(s) for these classifications is/are found at (add URL(s)): http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database (See note B5)			
P7.20*	Postconsumer recycled plastic material content is used in the product (See Note B6):			
0	. I I I I I I I I I I I I I I I I I I I			
	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 66.9 %.			

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.

b) The	weight of	recycled material is	g.							
Model number *										
Issue date *	Issue date * 6/11/2018									
Product environr	nental at	tributes - Market r	equirements (cont	inued)		Requiremen	nt met			
Item			•	·		Yes No	n.a.			
		tance requirements								
P7.21* Biobase	d plastic m	aterial content is used	d in the product (See N	NOTE B7):						
			es below shall be answ							
		c parts weight > 25 g, / weight) is %.	the biobased plastic r	naterial content (calcula	ited as a percen	tage of				
or		3 ,								
		the biobased plastic r	material is g. less than 0,1 mg/lamp							
		specify: Number of lar		o. num mercury content pe	er lamp: r	mg 🔲 📙	Ш			
P8 Batterie			•	•	•					
<u>`</u>		omposition:								
	•	ion (See NOTE B8)								
	product the	following power level	ls or energy consumpt	ions are reported:						
Energy mode *		Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/St modes and te	andard for energy est method *				
EPS No-load		0.104 W	0.102 W	0.124 W	EPS Energy	Report Data				
(External power sup charger plugged in the outlet but disconnect the product.)	ne wall									
PTEC *		W	W	W		STAR® Program	\boxtimes			
Typical Energy Cons	sumption				Requiremen Ver. 6.1	ts for Computers:				
FTFC *		108.65 kWh/year	114.70 kWh/year	117.36 kWh/year		AR® Program				
Annual Energy Cons	sumption	708.03 KWII/yeai	714.70 KWII/yeai	777.30 KWII/yeai		ts for Computers:				
External Power Supp	oly Efficien	cy Level (Internationa	I Efficiency Marking P	rotocol) *: VI		AR® Program ts for Computers:				
Display resolution *	Display resolution * : 1920*1080 megapixels ENERGY STAR® Program Requirements for Computers: Ver. 6.1									
Default time to enter	Default time to enter energy save mode: minutes ENERGY STAR® Program Requirements for Computers: Ver. 6.1									
P9.2* Informat	ion about t	he energy save functi	on is provided with the	product.						
P9.3 Energy 6	efficiency c	lass (monitors only):								
P10 Emissio	ns				<u> </u>					

NOTE B7	The following is	to be ex	cluded from	the	calculation	of	percentage:	printed	circuit	boards,	labels,	cables,
connectors and e	electronic compone	ents and p	postconsum	er red	cycled plast	ic						

(only if not covered by ECMA-74)

 $L_{WA,c}$ (B)

* 3.0

3.9

NOTE B8 A Guidance document on Energy Efficiency is available; see http://www.ecma-international.org/publications/standards/Ecma-370.htm

Noise emission - Declared according to ISO 9296 (See NOTE B9)

Fans on, HDD spinning

Fans on, HDD spinning (if applicable)

Mode description

Measured according to: ISO 7779 ECMA-74
Other (only if not

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

P10.1

Mode

Idle

Operation

Other mode

Statistical upper limit A-weighted sound power level,

Model nun	Model number * 600 G4							Logo						
Issue date	ate * 6/11/2018													
Product 6	environn	nental	attributes - Market require	ments (con	tinu	ed)			ı	Require	ment	met		
Item				(0011		,				Yes	No	n.a.		
	Electron	nagneti	c emissions											
P10.4	Compute		y meets the requirement for low	frequency ele	ectro	magnetic fields	of the follo	owing vo	luntary					
P12			computing products											
P12.1*	The disp	lay mee	ets the ergonomic requirements	of ISO 9241-3	307 f	or visual display	technolog	gies.			\boxtimes			
P12.2*			ut device meets the requiremen	ts of ISO 999	5 an	d ISO 9241-410).							
P13			documentation PARENCE						<u>-</u>					
P13.1*	Product Product	packagi packagi	ng material type(s): PAPER/Pa ng material type(s): PLASTIC/F ng material type(s): PLASTIC/F	Polyethylene Polyethylene			weight (k weight (k weight (k	g): 0.44						
P13.2*	Product	plastic p	primary packaging is free from P	VC.						\boxtimes				
P13.3*			nary corrugated fiberboard pace ered fiber content: 100 %	kaging, spec available o			ercentage	of minin	num post-	-				
P13.4*			or user and product documentati Paper, Other X	ion (tick box):										
P13.5		produc	nplete this item if paper docume at documentation on paper medi pecify:											
	Totally c													
	Processe	ed chlor	ine-free											
P14	Volunta													
P14.1	The proc	luct me	ets the requirements of the follo	wing voluntary	y pro	gram(s):								
	ENERGY Eco-labe Eco-labe	l: EPEA				e: 6/11/2018 e: 6/11/2018 e:	Product c Product c Product c	ategory:						
P15	Addition	al info	rmation (See NOTE B10)											
P9	Energy	consun	nption of computer products;	description of	of th	e tested produ	ct configu	ıration:						
All Sections		s to ext	ronmental information contai ernal standards referenced in er											
P1			does not include DEHP, BBP											
P9			nion Commission Regulation											
	Mode /	Conditi	on	Power Con Voltage	sum	ption in Watts at	t 230 VAC		Default Ti (if applical		ode / (Conditi		
	Off Mo	de (if ap	plicable)						Not Applic	able				
		•	(if applicable)	Not Applica	able				Not Applic	able				
	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.Europe	ean Unio	on Commission Regulation 1275	5/2008- Wirele	ess N	letwork Instructi	ions:							
			e, activate and deactivate a wire n. Information is also available				ns provided	d in the p	roduct us	er guide (or the			
P10	Sound F	ressur	e Level											
		nission	 Declared according to ISO 9. 	296 (See NO										
P10.1	Mode		Mode description			Statistical uppe $L_{pA,m}$ (dB)	r limit A-we	eighted s	sound pres	ssure leve	el, 			

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)	* 18					
Operation	* Fans on, HDD spinning	* 24					
Other mode							
Measured according to: Signature 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	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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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.

Company 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 products 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 where 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)				
Compa	ny environmental profile - Market requirements Re	quiren	nent r	net	
Item	my characteristic market requirements	Yes	No	n.a.	
C4	Environmental policy and environmental management	100	110	m.a.	
C4.1*	The company has a documented environmental policy approved by the management.				
	1 3 11 3				
C4.2*	The company has an environmental management system covering: Product development Manufacturing If so certified according to: ISO 14001 Other as specified in C7	\boxtimes			
040	The company regularly publishes an environmental report.				
C4.3	If so, it meets the recommendations of The Global Reporting Initiative Other as specified in C7		Ш	Ш	
C5	Recycling				
C5.1*	Information about the product, battery & packaging take back system (C1, C2 and C3) is available in printed or electronic format.				
C6	Voluntary programs				
C6.1	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:				
C7	Additional information				
	HP has received ISO 14001 certification for its manufacturing operations (Worldwide Manufacturing of Computing and 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. 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 environmental responsibility (SER) performance when required, as well as improving standards in the industry. HP endorses the EICC Code of Conduct in its entirety, and we have supplemented it with additional requirements specific to freedom of association as well as HP's Student and Dispatch Worker Guidance Standard for Supplier Facilities in the People's Republic of China (PRC). HP also has a strong Global Human Rights Policy in place. HP expects its suppliers to establish policies and 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 take back services of products and printing suppliers in some 70 countries. Please refer to HP's Livings Progress Report 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