

Ecma/TC38-TG3/2015/025 (Rev. 1 – 15 April 2015)

## Annex B1 - Product environmental attributes Imaging equipment

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 *	Ricoh	<b>nashuatec</b>
Company name *	Ricoh Company Ltd.	
Contact information *	Ricoh Europe Plc, 20 Triton Street	
E-mail address	London NW1 3BF, United Kingdom	
Internet site *	www.ricoh.com	
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 *	Multifunction					
Commercial name *	MP 601SPF					
Model number *	MP 601SPF					
Issue date *	16 May 2016					
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 B1

Annex B1 reflects Product environmental attributes relevant for Imaging products. The following items from the ECMA-370 Main body are not shown in the template:

P9.1 PTEC, ETEC and display resolution P12.1-P12.2 Ergonomic requirements.

Issue date * 16 May 2016			00							
		<u>tu</u>	U							
Product environmental attributes - Legal requirements Req	uireme	nt n	net							
	Yes No n.a.									
P1         Hazardous substances and preparations           P1.1*         Products do comply with the current European RoHS Directive. (See legal reference and NOTE B1)	Hazardous substances and preparations									
		_								
P1.2* Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.		1								
P1.3* Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC),		1								
hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1-										
trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.										
		1								
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	X	]								
<ul> <li>chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).</li> <li>P1.6* Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 μg/cm<sup>2</sup>/week</li> </ul>		1								
(see legal reference).										
Comment: Max limit in legal reference when tested according to EN1811:2011-5.										
	$ imes$ $\Box$	]								
emo@ricoh-europe.com										
P2 Batteries P2.1* If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal		1								
symbol. Information on proper disposal is provided in user manual. (See legal reference)	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)									
Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal										
reference)	reference)									
Batteries and accumulators are readily removable. (See legal reference)										
	Conformity verification & Eco design (ErP)									
The product is CE-marked to show conformance with applicable legal requirements (see legal reference).										
	The product complies with the Eco design requirements for energy-related products,									
Required information is; given in item P15 or added to this document,										
available at (add URL):										
P4 Consumable materials		_								
legal reference and NOTE B1).										
P4.2* If ink/toner is used in the product, it does not contain cadmium max 0,1% by weight (see legal reference). P4.3* If the ink/toner formulation/preparation is classified as hazardous or contains a substance for which there										
If the ink/toner formulation/preparation is classified as hazardous or contains a substance for which there										
are Community workplace exposure limits, the product/packaging is adequately labeled according to applicable regulations and a Safety Data Sheet (SDS) in accordance with these requirements is available										
(see legal reference).										
P5         Product packaging           P5.1*         Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium and		_								
Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium and 🛛 🗌 hexavalent chromium by weight of these together.										
used (see legal reference).		]								
P5.3* The product packaging material is free from ozone depleting substances as specified in the Montreal	$\boxtimes$	]								
Protocol (see legal reference). Comment: Legal reference has no maximum concentration values.										
P6 Treatment information										
		1								

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 *	MP 601SPF	Logo	nach	1101	00			
Issue da	date * 16 May 2016			nash	ua	æc			
Product environmental attributes - Market requirements (See General NOTE GN below)         Requirement met           - Environmental conscious design         Requirement met									
Item	em *=mandatory to fill in. Additional information regarding each item may be found under P14. Yes No n.a.								
P7	Design								
P7.1*		mbly, recycling							
		t have to be treated separately are easily separable			<u> </u>	<u> </u>			
P7.2*		aterials in covers/housing have no surface coating.			Ц_	<u> </u>			
P7.3*	•	arts > 100 g consist of one material or of easily separable materials.		$\square$					
P7.4*		arts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.		$\boxtimes$					
P7.5		arts are free from metal inlays or have inlays that can be removed with commonly av	ailable tools.	$\boxtimes$					
P7.6*	Labels a	re easily separable. (This requirement does not apply to safety/regulatory labels).		$\square$					
	Product								
P7.7*	Upgradin	g can be done e.g. with processor, memory, cards or drives		$\boxtimes$					
P7.8*	Upgradin	g can be done using commonly available tools		$\boxtimes$					
P7.9.	Spare pa	rts are available after end of production for: 7 years		$\square$					
P7.10	Service is	s available after end of production for: 7 years			Ē				
	Material	and substance requirements							
P7.11*	Product of	cover/housing material type (e.g. plastics, metal, aluminum): type: ABS Material type: PC+ABS Material	type:						
P7.12	Insulation	n materials of external electrical cables are PVC free.			$\boxtimes$				
P7.13	Insulation materials of internal electrical cables are PVC free.								
P7.14	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 of	circuit boards, PCBs (without components) are low halogen: all 🗌 PCBs > 25	g 🗌 are lo	w	$\boxtimes$				
P7.16									
P7.17	Marking: FR(40)         I7       Alt. 1: Chemical specifications of flame retardants in printed circuit boards > 25 g (without components): TBBPA (additive)         TBBPA (additive)       , TBBPA (reactive)         (See NOTE B3), Other; chemical name:       , CAS #:								
		BFRs are used, which are not restricted of their inclusion b	y regulations	;					
		hemical specifications of flame retardants in printed circuit boards (without comp g ISO 1043-4:	oonents) > 25	g 🗌					
P7.18	concentra 1. Chemi 2. Chemi	ame retarded plastic parts > 25 g contain the following flame retardant substances/ ations above 0,1%: ical name: , CAS #: (See NOTE B4) ical name: , CAS #: "	/preparations i	in 🗌					
	<ol><li>Chemi</li></ol>	ical name: , CAS #: "							
		nemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-							
P7.19	assigned	parts > 25 g, flame retardant substances/preparations above 0,1% are used which h the following Risk phrases; and Hazard statements:							
D7 cct			IOTE B5)						
P7.20*	lf YES; a a) Of to perc	sumer recycled plastic material content is used in the product (See NOTE B6): t least one of the two alternatives below shall be answered; otal plastic parts' weight > 25 g, the postconsumer recycled plastic material content ( centage of total plastic by weight) is <b>1.3%</b> . or weight of recycled material is g.	(calculated as	a					

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.

Issue date Product e Item	*	16 May 20							~ ~
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ltem	environn	nental atti	nued)	· · · · · · · · · · · · · · · · · · ·	Requ	irement	t met		
nom									
	Material and substance requirements (continued)								
P7.21*	7.21* Biobased plastic material content is used in the product (See NOTE B7):								
	<ul> <li>If YES; at least one of the two alternatives below shall be answered;</li> <li>a) Of total plastic parts' weight &gt; 25 g, the biobased plastic material content (calculated as a percentage of total plastic by weight) is %.</li> </ul>								
	or b) The								
P7.22*			ee from mercury, i.e. le pecify: Number of lam		ium mercury content pe	er lamp:	mg		
P8	Batteries	5							
P8.1*	Battery c	hemical cor	mposition: <i>Manganes</i>	e dioxide lithium, Va	anadium Pentoxide Li	thium			
P9	Energy	consumpti	on (See NOTE B8)						
P9.1	For the p	roduct the	following power levels	or energy consumpti	ons are reported:				
Energy mo	de *		Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Si modes and te		energy	
Sleep mode STAR® Op (OM) produ	erational		W	W	W				
Standby/off mode for ENERGY STAR Operational Mode (OM) products		erational	W	W	W				
TEC value for ENERGY STAR TEC products			kWh/week	kWh/week	3.286 kWh/week				
(TEC= Typi Consumptio		IУ							
Operating	Mode		W	W	771 W				
Ready Mod	de		W	W	88.6 W				
Sleep Mod	le		W	W	1.1 W				
			W	W	W				
			W	W	W				
			W	W	W				$\overline{\Box}$
External Power Supply Efficience		ly Efficienc	y Level (International	Efficiency Marking Pr	otocol) * :				
		•			•				
Print/Scan Speed * : 60 images per minute									
P9.2*	Default time to enter energy save mode: 1 minutes         P9.2*       Information about the energy save function is provided with the product.							<u> </u>	
-			a chergy save functio				2		
P10	Emissio		Declared according to		- B9)				
P10.1	Mode		ode description	S	atistical upper limit A-w	eighted sound	power level,		
-	Idle	*	Stand-by	*	3.3				
			Operating Mode * 7.2						⊢Ħ
	Other mo		See section P15						
	Measure	d according	, = -	ECMA-74 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 <u>http://www.ecma-international.org/publications/standards/Ecma-370.htm</u>

	mber *	MP 601SPF					Logo				
Issue date *		16 May 2016					_	nas	hu	ate	C
Product	environ	mental attribut	tes - Marke	t requirements (c	ontinued)			Re	quire	ment	me
Item									Yes	No	n.a
				products (See NOTE							
P10.2*	Equipm	nent (ISO/IEC 283	360) 🔲, othe	28 Determination of ( er specify: RAL-UZ17		ion Rates from E	Electronic		$\square$		
P10.3	Typical emission rate (operation phase) is (mg/h):										
		photographic dev ion) TVOC 4	vices: Dust	0.29 Ozone <limit< td=""><td>of detection</td><td>Styrene 0.018</td><td>Benzene</td><td><limit of<="" td=""><td></td><td></td><td></td></limit></td></limit<>	of detection	Styrene 0.018	Benzene	<limit of<="" td=""><td></td><td></td><td></td></limit>			
	Ink dev	ices: Ozone	Dust	Styrene	Benzene	TVOC					
	Note: c	ompliance with m	aximum emis	ssion rates in eco lab	els to be declar	ed in P14.					
P11		mable materials									
P11.1*	A Safet	ty Data Sheet (SD	) is availab	le for the ink/toner pr	eparation, even	if not legally req	uired (see	P4.3).	$\boxtimes$		
P11.2*	Paper EN 122		onsumer rec	cycled fibers can be	used, provided	that it meets t	the require	ements of	$\square$		
P11.3*	2-sided	l (duplex) printing/	/copying is ar	n integrated product f	unction.				$\times$		
P11.4*	The pro	oduct is delivered	to end-user v	with default auto-dupl	ex enabled.				$\boxtimes$		
P13	Packaging and documentation										
P13.1*	Product packaging material type(s): Corrugated Paper weight (kg): 4.848 Product packaging material type(s): ): Plastic weight (kg): 1.075 Product packaging material type(s): weight (kg):										
P13.2*	Product plastic primary packaging is free from PVC.										
P13.3*	For product primary corrugated fiberboard packaging, specify the contained percentage of minimum post- consumer recovered fiber content: %										
P13.4*	Specify media for user and product documentation (tick box):										
P13.5	(Please only complete this item if paper documentation used) User and product documentation on paper media is chlorine-free:										
	Totally chlorine-free										
	Elemental chlorine-free										
		sed chlorine-free							H		
P14	Volunt	ary programs:									
P14.1			equirements	of the following volun	tary program(s)	:					
	ENERC	GY STAR® bel: <b>BAM</b>	Criteria	version: 2.0 version: RAL UZ171	Date:	Product		Multifuncti Multifuncti			
	Eco-lat			version:	Date:		category:	mununu			
P15		onal information			20.0.	1 100000	salegory.				
				recycled plastic ma	terials wherev	er available.					
	Sound Stand-		t the operator	position [LpA:dB(A)]							

NOTE B10 A Guidance document on Chemical Emissions 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 B11 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 B1

Reference	Declaration item
Directive 2011/65/EU (RoHS Directive) * * Specific exemptions apply for certain products and applications.	P1.1, P4.1
(EC) 1907/2006(REACH, Annex XVII	P1.2, P1.4, P1.6, P1.7, P4.2
Regulation (EC) No. 2037/2000, 2038/2000, 2039/2000, (Marketing and use of Ozone layer depleting substances)	P1.3, 5.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
"REACH" Regulation (1907/2006), annex VII	P1.10
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) 1907/2006 (REACH Regulation), Article 31, annex II)	P4.3
Regulation (EC) 1272/2008 (CLP Regulation)	P4.3, 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