ECS operational staff meeting household appliances decision sheet					OSM HA N°13	
Sub cl.	Meeting	Agenda item	Document			
8.1	9	7.2	IT 7/95			
Standard	EN 60335-1	:2014		Date	2017-0208	
Question	Application of	of test finger and tes	st pin.			
Decision		of a safety switch is forces specified in				
Explanatory notes		hes may have the fue function of a safet			lity to live parts. h the test pin of figure	

ECS operational staff meeting household appliances decision sheet					OSM HA N°15
Sub cl.	Meeting	Agenda item	Document		
8	10	7.7	PT 1/96		
Standard	EN 60335-1:	2014 Date			2017-0208
Question	Paint as insu	lation.			
Decision	Paint is not r	egarded as insulati	on.		
Explanatory notes					

ECS operational staff meeting household appliances decision sheet				OSM HA N°20	
Sub cl.	Meeting	Agenda item	Document		
11	4	8.6			
Standard	EN 60335-1:	1994		Date	2017-0208
Question	Heating test attachment)	on appliances for p	ermanent connec	ction to fixe	ed terminals (type X
Decision	25.8 should permanent of supplied and B) Two-third	be used when testir onnection to fixed t	ng clause 11 on a erminals where th on sheet would n que should be ap	appliances ne cable or not recommoplied to the	cord would not be nend any specific size.
Explanatory notes					

ECS operational staff meeting household appliances decision sheet					OSM HA N°22
Sub cl.	Meeting	Agenda item	Document		
11	4	8.8			
Standard	EN 60335-1:199	94		Date	2017-0208
Question	Temperature m	easurement of ap	opliance inlets.		
Decision			e on the pins has couple on the exte		e by soldering or of the pin outside the
Explanatory notes					

ECS operational staff meeting household appliances decision sheet			OSM HA N°27		
Sub cl.	Meeting	Agenda item	Document		
13.2	6	8.1.6	FI 3/92		
Standard	EN 60335-1:	1994		Date	2017-0208
Question		ement of the leakag a 1- phase motor.	e current of applia	ances with	a 3-phase heating
Decision	phase for the so. Otherwis supplied. The	e all 3 switches are	ected, if the cons disconnected in t ents are measure	truction of turn, the m d separate	the appliance permits notor being separately ely and the values for
Explanatory notes	There is a co	poling problem wher	n the motor is not	supplied.	

ECS operational staff meeting household appliances decision sheet					OSM HA N°30
Sub cl.	Meeting	Agenda item	Document		
19	1	3.16			
19	23	4.3	SEC 05/09		
Standard	EN 60335-1:	2002		Date	2017-0208
					I
Question	the same co		nly one temperatu		al cut-out or both within device, but operating
Decision		of this component ort circuited; This ap			ing the tests, all switch ical components
Explanatory notes					
	•				

ECS operational staff meeting household appliances decision sheet					OSM HA N°42
Sub cl.	Meeting	Agenda item	Document		ı
24.	6	8.1.9	NL 2/92		
24.	6	8.1.9	FI 5/92		
Standard	EN 60335-1:19	94		Date	
Question	. The use of hig	gh-breaking capa	city fuse-links.		
Decision	High-breaking of than 35 A or mother than 10 x In.		s shall be used if	the short-ci	ircuit current is more
Explanatory notes	With low-break hazards exists.		-links the risk of $\epsilon$	explosion an	nd consequential

ECS operational staff meeting household appliances decision sheet					OSM HA N°49
Sub cl.	Meeting	Agenda item	Document		_
24.1	8	11.2			
Standard	EN 60335-1:19	-1:1994 Date			
Question	Endurance test	for timers.			
Decision	The number of program.	cycles refers to t	he machine cycle	s. A cycle is	s a most onerous
Explanatory notes					

ECS operational staff meeting household appliances decision sheet					OSM HA N°51
Sub cl.	Meeting	Agenda item	Document		
22.40	9	15.3	SEC 6/94		
Standard	EN 60335-1:199	94		2017-02-08	
Question	Switches for mo	otor-operated app	oliances moved w	hile in ope	eration
Decision					nces moved while in 9.11 of this standard
Explanatory notes	CLC/TC 61 dec	ision November	1994.		

ECS operation	nal staff meeting household appliances decision sheet			OSM HA N°53	
Sub cl.	Meeting	Agenda item	Document		
25	5	6.1.15	FI 1/91		
Standard	EN 60335-1:19	94		Date	2017-02-08
Question	To determine the	ne requirements	for plug pins inco	rporated in	appliances.
Decision	EN 60335-1. The of the relevant The barrel is turn a height of 50 conto a steel plarent 100 if the mass After the test, it	he plug pins are a National Standar rned at a rate of cm ate, 3 mm thick, the ss of the sample of s of the sample of	also subjected to d including the four five revolutions per number of falls does not exceed exceeds 250 g. show no damage	EN 50075 llowing tun er minute. s being: 250 g	I to the requirements of or to the requirements abling barrel test: The sample falls from meaning of this
Explanatory notes	The requirement		al Standard may i	nclude bot	h dimensions and

ECS operation	tional staff meeting household appliances decision sheet				OSM HA N°54
Sub cl.	Meeting	Agenda item	Document		
25.23	5	6.1.10	GB 5/91,IT 3/9	1	
25.23	23	4.3	SEC 05/09		
25.23	23	8.6	ES 04/09		
Standard	EN 60335-1:	2002		Date	2017-02-08
Question	. Requiremen	nts for insulation of	accessible interna	al conducto	ors.
Decision	standard tes insulation un cord complyi 2) For interco 3) For condu operation an supplementa mm, if it is in	t finger shall comply less it is a flexible ng with the relevant onnection cords onluctors inside an apply which are not more.	r fully with the required to CLC Standard a y approved or equiliance but which a ved or mechanical provided by a sile requirements for	uirements s specified uivalent col are accessi ully stressed	rds shall be used. ble during a cleaning d during normal use, ess of less than 1.0
Explanatory notes					

ECS operational staff meeting household appliances decision sheet					OSM HA N°59
Sub cl.	Meeting	Agenda item	Document		
27.2	23	4.3	SEC 05/09		
27.2	6	8.1.14	NO 2/92		
Standard	EN 60335-1:	2002	Date		
Question	Is a pressure	e plate needed for e	arthing terminals	of the pillar	type?
Decision		late is not required ntain resilient mean			
Explanatory notes					

ECS operational staff meeting household appliances decision sheet				OSM HA N°60	
Sub cl.	Meeting	Agenda item	Document		
27.4	23	4.3	SEC 05/09		
27.4	5	6.1.17	IT 5/91		
Standard	EN 60335-1	0335-1:2002 Date			2017-02-08
Question	Verification of	of the protection aga	ainst corrosion.		
Decision	A manufactu	rers declaration ma	y be accepted.		
Explanatory notes					

ECS operational staff meeting household appliances decision sheet					OSM HA N°70
Sub cl.	Meeting	Agenda item	Document		
30.1	1	3.13			
Standard	EN 60335-1:20	EN 60335-1:2014 Date			
Question	Where is the te	mperature for ex	ternal parts meas	sured?	
Decision					nally on the internal ement for touchable
Explanatory notes					

ECS operational staff meeting household appliances decision sheet					OSM HA N°79
Sub cl.	Meeting	Agenda item	Document		
22.42	9	7.9	SE 7/95		
Standard	EN 60335-1:2	2014	]	Date	
Question	Protective im	pedance			
Decision	A single Y1 c	apacitor is not allov	wed as a protective	impedano	ce.
Explanatory notes					

ECS operational staff meeting household appliances decision sheet					OSM HA N°194
Sub cl.	Meeting	Agenda item	Document		
19.7	11	9.7	NL 3/97		
Standard	EN 60335-1:	1994		Date	2017-02-08
Question	Miniature fus	ses for the protectio	n of motors.		
Decision	motor.	arried out only with to 19.12 for fuses			
Explanatory notes					

ECS operational staff meeting household appliances decision sheet					OSM HA N°214	
Sub cl.	Meeting	Agenda item	Document			
2.7.1/2.7.2	14	4.1	CHAIR 1/00			
2.7.1/2.7.2	12	6.1.1	IT 5/98			
Standard	EN 60335-1:199	94		Date	2017-02-08	
Question		I non detachable 1, but which are			s in conformity with	
Decision	Parts removable by hand, which are in conformity with sub-clause 22.11 are not considered as being detachable. A part is only detachable if it is removable without the aid of tool and does not comply with sub-clause 22.11					
Explanatory notes	This decision has been taken by CLC/TC 61 (June 2000) and it is different from that taken by OSM/HA.					

ECS operation	tional staff meeting household appliances decision sheet				OSM HA N°215
Sub cl.	Meeting	Agenda item	Document		
8.2	13	4	CHAIR LUBLJ	2/99	
8.2	12	6.1.4	IT 4/98		
8.2	23	6.4.2	SEC 05/09		
Standard	EN 60335-1:	2002		Date	2017-02-08
Question	Interpretation cover	n of sub-clauses 8.2	2 on fluorescent la	amps locat	ed behind detachable
Decision	basic insulat 2)If a tool is an instruction	ion.	the cover (it is calculated 2.7.2) the	onsidered	detachable if there is lation may be
Explanatory notes	2)After discu	confirmed the deciussion in 13th OSM/ n has been updated	HA meeting		eting.

ECS operation	CS operational staff meeting household appliances decision sheet				OSM HA N°216	
Sub cl.	Meeting	Agenda item	Document			
19.13	12	6.1.7 and 6.11.4	(FR)1/98 and (IT)4/9			
19.13	13	7.1	(Chairman)1/99	)		
Standard	EN 60335-1:	1994		Date	2017-02-08	
Question		he tests of clause 1 ensidered still be abl	•	thermal cu	ut out operates, is the	
Decision	operable. 2)If the user order, the so	lution in IEC 60335	ermal cut-out or i -1/A2:1999 sub-c	f the applia lause 4.2 f	ance becomes out of	
Explanatory notes						

ECS operational staff meeting household appliances decision sheet				OSM HA N°219			
Sub cl.	Meeting	Agenda item	Document				
29.1	12	6.1.17	GB 1/98				
Standard	EN 60335-1:19	994		Date	2017-02-08		
Question		Creepage and clearance distances across parts of same polarity until when a cut out operates during clause 19.					
Decision	In this situation the live parts of thermal cut out in the open position are considered as parts of different polarity.  When measuring the distances should be checked according to the component standard. If the cut out does not operate for all the tests of all clauses, the distances are not measured because there is no open circuit and no parts of different polarity.						
Explanatory notes	This decision is	s in line with the s	imilar one taken l	oy CTL			

Sub cl.	Meeting	Agenda item	Document		<u> </u>
8.2	14	4.1	(Hels/Chair	)1/00	
8.2	23	6.4.2	(SEC)05/09	9	
8.2	13	9.3	(FR)1/99		
Standard	EN 60335-1-2	2002		Date	2017-02-08
Question	Accessibility of paint coating.	of basic insulation thro	ugh opening in	earthed me	tal enclosure having
	the same time and thus not a If the basic in	e with the earthed met	al parts, it is co	nsidered as	hout making contact at a class II construction
		, as the earthing is one		on means.	Earthed m
	Earth	, as the earthing is one	e if the protection	on means.	Earthed m
Explanat ory notes	CLC/TC 61 cc	, as the earthing is one	e if the protection	on means.	Earthed m

ECS operation	erational staff meeting household appliances decision sheet				OSM HA N°234
Sub cl.	Meeting	Agenda item	Document		l
24.1.4	13	9.10	IT 2/99		
Standard	EN 60335-1	1994		Date	2017-02-08
Question	Ambient tem	perature of transfor	mers marked w	rith T	
Decision	complies wit		not necessarily	to be follow	ved if the transformer
Explanatory notes					

ECS operation	nal staff meeting household appliances decision sheet				OSM HA N°236
Sub cl.	Meeting	Agenda item	Document		
29.2	14	4.1	(Hels/Chair)1/00		
29.2	13	9.14	(FR)3/99		
Standard	EN 60335-1:	2012		Date	2017-02-08
Question	secondary w winding is ac of primary an that in this ca	rinding is 1 mm. Acc accessible there is re and secondary windir	cording to EN 603 quirement for 2 m ng. In general the e accepted when	35-1:1994, m for distandelegates tested or co	nce through insulation agreed unanimously ertified according to
Decision	The transform	mer standard is app	licable		
Explanatory notes		confirmed (June 200 se 29.1 to clause 29		al correction	n, to change annex
110100	1 22 300 0100	00 20.1 to bladdo 20	, 10 1100d0d		

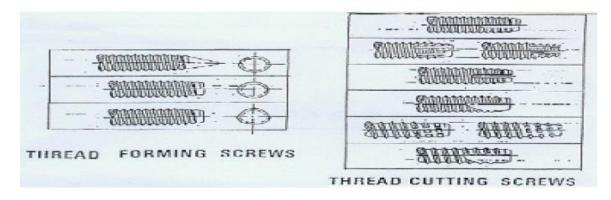
ECS operation	nal staff meeting household appliances decision sheet				OSM HA N°238	
Sub cl.	Meeting	Agenda item	Document			
17	13	9.19	(IT/Ljubljana)6/99			
Standard	EN 60335-1:	100/		Date	2017-02-08	
Standard	LIN 00333-1.	1994		Date	2017-02-00	
Question	secondary w with specific 2)If on the se	inding always be ca standard ( e.g.EN6	arried out, if the tra 1558-2-6/EN 625 protection device	ansformer 58-2-16)? like a fuse	e short-circuit on the is not in compliance e-link is connected, is it ice?	
Decision					re is no possibility of a	
Explanatory notes						

ECS operation	CS operational staff meeting household appliances decision sheet			OSM HA N°249			
Sub cl.	Meeting	Agenda item	Document				
8-20	15	6.3	(Chair)1/01				
8-20	23	6.4.2	(SEC)05/09				
8-20	14	9.2	(SI)1/00				
Standard	EN 60335-1:20 EN 60335-1 :20			Date	2017-02-08		
Question	switches can be moving parts. Which are the regaps and reliable appliances proven 1) protection as	e used for protect requirements for in ility of cycling op vided with plug w	tion against electr interlock switches erations of switch hich provide: ock and energy ha	ric shock a regarding es for fixe	operated interlock and accessibility of distances contact d appliances and		
Decision	switch without a poles disconne parts 2 (e.g.air 2)At least a mid the protection a The interlock s	a tool even if is and ction. In that situal cleaners and insers of a minimate in the control of	t least 3mm between tion it is still consect killers) this is a mount and minimum of the street that the street are the street and minimum of the street are	een the co sidered to allowed; one pole d b-clause 2			
Explanatory notes	CLC/TC61 con This decision h	firmed on May 20					

ECS operational staff meeting household appliances decision sheet				OSM HA N°271		
Sub cl.	Meeting	Agenda item	Document			
28.1	15	5.1	OSM/CTL Dec 01/0			
Standard	EN 60335-1:19	994		2017-02-08		
Question		on the screws with tively or with a pa			rial be carried out 10	
Decision		petween each time ing time after appl			hat there is an	
Explanatory notes						

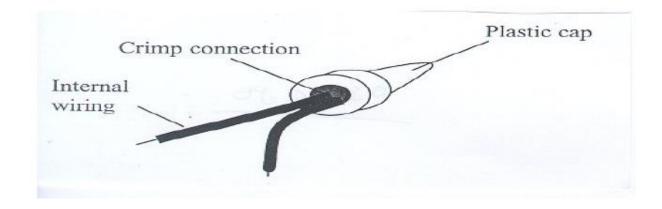
ECS operational staff meeting household appliances decision sheet				et	OSM HA N°273		
Sub cl.	Meeting	Agenda item	Document				
24.1.4	15	5.1	OSM/CTLDec0	1/01			
Standard	EN 60335-1:199	94		Date	2017-02-08		
Question	construction? As far as the plu	Is it allowed to put an on-off switch on the plug of a household appliance of IPX4 construction?  As far as the plug is to be considered as a full part of the appliance itself, must it be submitted to the relevant test for IPX4?					
Decision							
Explanatory notes							

ECS operational staff meeting household appliances decision sheet				OSM HA N°274		
Sub cl.	Meeting	Agenda item	Document			
28.3	15	5.1	OSM/CTLDec01/01			
Standard	EN 60335-1:19	994		2017-02-08		
Question	Examples of the	nreaded-cutting ar	nd threaded form	ng screws		
Decision	In the following are given.	g figure examples	of threaded-cutti	ng and thre	eaded forming screws	
Explanatory notes						



ECS operational staff meeting household appliances decision sheet					OSM HA N°277	
Sub cl.	Meeting	Agenda item	Document			
27.4	15	5.1	OSM/CTLDec0	1/01		
Standard	EN 60335-1:	1994		Date	2017-02-08	
Question	terminal and easy to perfo Some standa electrochemi	orm only by inspecti ards (e.g. IEC 6095 cal potential. to use this table and	ning conductor or don. 0/1990, annex J) i	other meta	between earthing all parts is not always erence to the table of eck compliance to this	
Decision	requirement	electrochemical pot of subclause 27.4. given by the manufa	•	-	•	
Explanatory notes	The decision This decision	will be passed to T	C 61.			

ECS operational staff meeting household appliances decision sheet					OSM HA N°280		
Sub cl.	Meeting	Agenda item	Document				
30	15	5.1	OSM/CTLDec01/01				
Standard	EN 60335-1:1	994		Date	2017-02-08		
Question	The figure below shows a crimp connection used for internal wiring, the plastic cap provides basic insulation.  Does the plastic cap retain live parts in position so you have to make a ball pressure test at 125°C (sub-clause 30.1) and a glow wire test at 850°C (for unattended appliance, current more than 0,5A)?						
Decision	The plastic cap does not retain in position live parts, so the ball pressure test is not applicable. Subclauses 30.2.2 and 30.2.3 apply to the plastic cap, so the glow wire test has to be carried out if the connection is carrying a current >0,5 a in normal use, for appliances other than hand-held appliances, with the following values:  - 650°C for appliances operated while attended  - 750°C for other appliances (excepts if tests of annex L are performed on the connection)						
Explanatory notes	This decision i	s identical to CTL	decision nr.264				



ECS operatio	CS operational staff meeting household appliances decision sheet					
Sub cl.	Meeting	Agenda item	Document			
8.1	19	6.20	(FR)1/05			
8.1	15	9.5	(FR)02/01			
Standard	EN 60335-1: EN 60335-1			Date	2017-02-08	
Question	How to chec	How to check appliances including luminaries or part of luminaries?				
Decision	range hood, comply with case of a lur	oven, ceiling fan co EN 60335-1 as far a	ombined with lamous protection against the contraction against the contraction against the contraction and the contraction are contracted as a contraction and the contraction are contracted as a contracted	pholder) the ainst electrication of the contract of the contraction of	c shock is concerned.In nt functions EN 60598-	
Explanatory notes						

ECS operational staff meeting household appliances decision sheet				OSM HA N°293	
Sub cl.	Meeting	Agenda item	Document		
29.1	15	9.17	(NL)02/01		
Standard	EN 60335-1: EN 60335-1:			Date	2017-02-08
Question	voltage betw	nere are no values f reen 250 V and 480 s shall be considere	V for reinforced		clearances for working
Decision	The values a	are determinate by eage)/250	extrapolation, wit	h the follow	ring formula: 8 x
Explanatory notes					

ECS operational staff meeting household appliances decision sheet					OSM HA N°335		
Sub cl.	Meeting	Agenda item Document					
2	18	4.2	OSM/CTL /list.2	2004			
Standard	EN 60335-1: EN 60335-1			Date	2017-02-08		
Question	household ap	What requirements apply to telecommunication interface circuits installed in household appliances (e.g.: Modem) as far as the insulation and distances between these circuits and other parts are concerned?					
Decision	Modem) fitted In alternative should be acc product stand	cepted taking into a dard, if any. are usually covere	in the scope of IE eady tested and co account the more	C 60335-2 ertified acc severe rec	I series. cording to IEC 60950 quirements of the		
Explanatory notes							

ECS operational staff meeting household appliances decision sheet OSM HA N°3							
Sub cl.	Meeting	Agenda item	Document				
10.1	18	4.2	OSM/CTL /Ist.2	2004			
Standard	EN 60335-1:20 EN 60335-1:20			Date	2017-02-08		
Question	incorporating a Rationale: If the power in determined as period. For appliances	a PTC heating ele put varies through the mean value o	ment?  nout the operating of the power input  ing element, the in	cycle, the occurring	ed for an appliance e power input is during a representative er input is very high and		
Decision	The representative period cannot be defined in Part 1. It depends on the appliance. The input power should be measured when steady conditions are reached or at the end of the duration specified inclause 11.7 of the Part 2s, whichever shorter.						
Explanatory	This decision i	s identical to CTL	decision n 554	approved	at the 41st CTI		
notes	meeting 2004.			appiorou (			

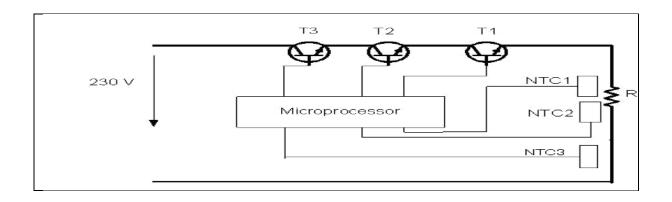
ECS operation	nal staff meeting ho	OSM HA N°352					
Sub cl.	Meeting	Agenda item Document					
30.2.3.1	18	5.2	(IT)1/04				
Standard	EN 60335-1:200 EN 60335-1 :20			Date	2017-02-08		
Question	to IEC 60695-2- connections for distance of 3 m As there are ma required for the manufacturer, v have a GWFI of Or the documer	current exceeding of such connections of such	GWFI of 850 °C on a graph of partitions. In acceive from the material partition of the thickness and t	f insulating ints of insul anufacture ta declara colour, the ssed during insulating the state of	at the plastics used		
Decision	The glow wire test may be used as alternative of GWFI test, according to the document 61/2560/DC.  The alone declaration of the component manufacturer concerning GWFI test is no accepted.						
	T =						
Explanatory notes	and additionally the material use This decision ha	to ask the comp ed including colou as been consider g passed without	onent manufactu ır.	rer for a do ause a per	ations from the CBTL eclaration or identity of iod of 1 month after the have sent a new		

ECS operational staff meeting household appliances decision sheet					OSM HA N°362		
Sub cl.	Meeting	Agenda item	Document				
19	19	5.2					
Standard	EN 60335-1:2 EN 60335-1:2			Date	2017-02-08		
Question	are numbered These sub-claus the sub-claus Should these	d 19.101, 19.102 et auses are publishe e 19.13. additional sub-clau	tc. d in the Standard uses be conducte	s at the en	or clause 19 and these d of clause 19, after assessment and tests ed as the last test of		
Decision	clauses, unles		cified in the sub-	clause of th	3 for all 19 sub- ne relevant part 2 or if iteria and 19.13 is not		
Explanatory notes					_		

ECS operational staff meeting household appliances decision sheet					OSM HA N369
Sub cl.	Meeting	Agenda item	Document		
22.21 and 22.32	19	8.5	(DE)3/05		
Standard	EN 60335-1:2002 EN 60335-1 :2012			Date	2017-02-08
Question	A oil filled room heater of Class II has a heating element in class II construction. This construction consists of two layers of independent insulations of magnesium oxide which will be used as basic and supplementary insulation. According to note 2 of clause 22.21 magnesium oxid will be not considered as hygroscopic material. The magnesium oxide is tightly sintered and in line with the tests of subcl. 22.32. The end of the heating element (side of the connectors) is protected by a sealing agains moisture.  Is this construction acceptable because in line with cl. 22.21 and 22.32?				
Decision	Yes, the construction proposed is acceptable because in line with the standard.				
Explanatory notes					

ECS operation	nal staff meeting	household applian	ces decision she	et	OSM HA N°372
Sub cl.	Meeting	Agenda item	Document		•
19.11	20	5.2	WG-OSM/CTI	_01/06	
			<u> </u>	_	
Standard	EN 60335-1 : EN 60335-1 :			Date	2017-02-08
Question	differences in Certification E Actually, the passed on about 1: Shall Cl. 192: Can any of A: VDR's according to B: VDR acroacceptable.  - C: If A and E burst during life of leakage curvent according to burst during life of leakage curvent acceptable.	practice of one Cer ove concerns we as 9.11 be strictly follo the decisions (ma cross the mains are IEC 61051-1 or ac oss the mains with B are acceptable, s	testing practice rtification Body is sk for clarification by osm/EE) accepted if the accepted if the accepted if the accepted if the accepted with the accepted in the accepted is should, because acreasing temperer of switching cy	between lal a now being n: tions given be accepte VDR is sep 0 42200. ice to guard of the fact t rature stress celes in the	a market factor.  under 2. be accepted. d? arately certified I against short-circuit is hat VDR's may burn or s caused by increase VDR, a thermal
Decision	declared spec 1(1991). 2. VDR's are	not short-circuited cification, when tes short-circuited regaling to Sub-clause	sted according to ardless of compli	Sub-clause iance with I	e 19.11.2 of IEC60335 EC61051-1, when
Explanatory notes	There exist di IEC60335-1(2 and following Q1. Is there a (1991) and Fo A1: Yes, that is a differentia Q2. According - VDR's are not their manufact 19.11.2 of IEC A2.1 The interest of 1051-1. they - VDR's are stested accord A2.2 Yes this	ifferences for hand 2001) when applyir questions and ansany reason to differ orth (2001) edition VDR's can fall at slation to accomodate to the current stated in the current st	ling VDR's between the those standards were confirm the entiate the requirement of IEC60335-1? The entiate the situation in the ential standards, is the folion of they comply with the entification, where the entire the e	een IEC603 ds. This iss ned in Delft rements for end of the the fourth llowing inte h IEC61051 n tested acc ey do not h nufacturers ance with IE	i35-1(1991) and ue is brought to TC 61 meeting 2005: VDR's between Third life and therefore there edition rpretation correct? I-1 and are used within cording to Sub-clause ave to comply with specification. iC61051-1, when

ECS operational sta	iii iiieeiiiig iiou	serioid appliances (	aecision snee	ι	OSM HA N°379
Sub cl.	Meeting	Agenda item	Document		
19.11.1/2/3/4	22	5.2.1	(SEC)04/08	3	
19.11.1/2/3/4_22.4	20	6.4	(ES)01/06		
6					
Standard	EN 60335-1:	2002		Date	2017-02-08
	EN 60335-1:	2012			
Question	Question 1:				
	(NTC1+micro heating elem During the appointment of the electro a According considered ab In that ca and 22.46 (sc Consideri are separate thermostat a Question 2: In the same in such a way as redundant thermostat. If the heating of the considere e In that ca and 22.46 (sc	tent does not have opplication of 19.11.2 onic circuit (NTC2+rig to the standard, has a PEC? se, are the clauses oftware classification of that the thermost diparts of the code and which one to the construction, the may that (NTC2+microst thermostat (in the name condition of the standard, has a PEC? se, are the clauses oftware classification of that the thermost of the standard	a thermostat fincorporated plant incorporated plant incorporated plant incorporated plant incorporated plant incorporated plant incorporated plant incorporate plant incorpora	or the heating or the heating or the transported in the transported it in the transported in the theoretical in the transported	ing element R. The elements. Insistor T1) other part thermal cut-out. Insistor T1) other part thermal cut-out. Insistor T1) other part thermal cut-out. Insistor T1) other part thermal cut-out software applicable to the parameters of NTC2 at thermal cut-out but
Decision	c- Taking into then the ther be required f Question 2: d- YES, the t has to be con e- All sub-cla	mostat shall be cor	t circuit of T2 nsider as a PE of the circuit	C too and	onsidered in 19.11.2 software class B sha cro+NTC1+NTC2)
Explanatory notes		just a simplified sc compliance of it, bu			



ECS operation	nal staff meeting	OSM HA N°380			
Sub cl.	Meeting	Agenda item	Document		
27.1	20	6.12	(SE)04/06		
Standard	EN 60335-1: EN 60335-1:			Date	2017-02-08
Question	such as a m	otor shaft.			o earthed metal parts
Decision		ing can be consider comply with earth re			ections for household
Explanatory notes					

ECS operational staff meeting household appliances decision sheet OSM						
Sub cl.	Meeting	Agenda item	Document			
30.2.2 and 30.2.3	20	6.15	(ES)04/06	i		
Standard	EN 60335-1:2002 EN 60335-1:2012	<del>-</del>		Date	2017-02-08	
	1					
Question	In the photographs included below a construction is shown with material not resistant to the glow wire test at 750°C/850°C (PP marked) and a terminal block fixed in 3 pins moulded on that material.  In order to separate the connection area from the PP plastic part, a piece of a different material has been interposed. The pins fixing the terminal block is still of PP material and is within a distance of less than 3 mm.  Should the PP material in this construction be tested with glow wire test at 750°C/850°C?					
Decision	The material shall be tested if it is less 3 mm from the connection. The 3 mm distance has to be measured from the point of connection between the wire and the screw inside the terminal and not from other terminal part.					
Explanatory notes						



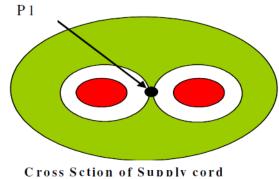
ECS operationa	al staff meeting ho	OSM HA N°383					
Sub cl.	Meeting	Agenda item	Document				
30.2.3.2	20	6.16	(IT)01/06				
Standard	EN 60335-1:200 EN 60335-1:200	-		Date	2017-02-08		
Question	from the appliar is less than 50 renvelope of the , how shall be c	In case of an appliance having grids or opening which permit to the flame to exit from the appliance as the distance between the external parts and the connection is less than 50 mm (considering the envelope of the vertical cylinder having a diameter of 20 mm and a high of 50 mm), how shall be considered the parts in contact with the external surface of the appliance, if is not defined the material within the cylinder envelope?					
Decision	Taking into account the previous discussion in IEC/TC61 about the matter (see minutes of Cape Town meeting 2005 and the relevant Cape Town Chairman Report), it is considered that the flames out the appliance have not taken into account. In case of the drawing, if the enclosure complies with the needle flame, then the appliance withstands the clause 30 test						
Explanatory notes							
ন	ann.		a f				
(PAZBINZ)			Cancer in	Learning of Charles on the Control of Charles on the Ch	FOR ZOMEN BENCH		

ECS operational staff meeting household appliances decision sheet					OSM HA N°384
Sub cl.	Meeting	Agenda item	Document		
30.2.3.1	20	10.5	(ES)05/06		
Standard	EN 60335-1:2 EN 60335-1:2			Date	2017-02-08
Question	that carry a c insulating ma glow-wire flar test sample b Certain motor washing mac load, or the in Shall the curr	urrent exceeding 0 terial within a dista nmability index of a eing no thicker thars, have a nominal hine), but during a a-rush current) the	,2 A during normal noce of 3 mm of sign at least 850°C account the relevant particurrent around 0 certain time (for incurrent exceeds the soft the motor be	al operation uch connectording to rt"  ,2 A (for expressions), the limit of ignored, in	ctions, shall have a IEC 60695-2-12, the example, the pump of a because changes in the
Decision	The current to be considered will be the average current in the relevant operatin period.				
Explanatory notes					

ECS operatio	nai staii meeting	household appliand	ces decision snee	et .	OSM HA N°393
Sub cl.	Meeting	Agenda item	Document		•
29.2	21	4	OSM/HA(SEC)	02/0	
-					
Standard	EN 60335-1: EN 60335-1:			Date	2017-02-08
Question	and when test lacquered) by components 1 - Shall both creepage dis 2 - On the oth allows to conthe CTI would be considered as a linear and category by corresponding 18. do you ag 4 - Even in the varnished sice	sted it passes the te ut it does not pass t side) (lacquered or a sides have to com tance requires it)? her hand, it could be sider that the creep d not be necessary. e? se, if the manufacturant CTI and pollution using a coating (and ag column (pollution	est in the componer. The test in the print varnished, typical apply with the relevance said that the variance distance is not in our opinion, the rerewants to redund the degree 1, he countex J compliant) and degree 1) in the reverse a CTI certifies ted PCB should be	ent side of ted circuit and CTI (if rnish over ot applicate is considered the distered to the	side (and SMD n colour). the corresponding the tracks of the PCB ble, in such a way that eration is not correct. cances (below the limits the pollution degree might apply the or erial (PCB), the
Decision	is required for corresponding 2- If there are varnish has t	or the varnish. CTI is ng distances must b e relevant parts not	s required for the e required (accord varnished (for ins orresponding CTI	PCB unde ding to the stance, solution (creepage	ed components, no CTI or the varnish, and the e varnish type 1 or 2). dering points), the e distance) in addition
Explanatory notes					
110100	1				

ECS operation	nal staff meeting	OSM HA N°396				
Sub cl.	Meeting	Agenda item	Document			
19	21	5.3	OSM/HA(Sec)(	)2/07		
19	20	6.13	(SE)02/06			
19	23	6.4.1	(SEC)05/09			
Standard	EN 60335-1: EN 60335-1:			Date	2017-02-08	
Question		sistors be connected condition they can	•	o earthed	metal parts and , if yes,	
Decision	complies with 19) and the v		uirements of the s part in any part o	tandard (i. f the circui	e. clauses 13, 16 and t in series, as varistors	
Tlaatam.	OLO/TOGA -	ana a d /Nlassa aa b a a O	000)			
Explanatory notes		CLC/TC61 agreed (November 2006).  This decision has been updated after the 23rd OSM/HA meeting.				

ECS operationa	al staff meeting hou	OSM HA N°400				
Sub cl.	Meeting	Agenda item	Document			
11.8/19.13	21	5.4	SM/HA(Sec)02/0	7		
Standard	EN 60335-1:2 EN 60335-1:2		Date	2017-02-08		
Question	determining th			e measured for tion of the supply cord" in		
Decision	supply cord in For the test of	P1 shall be measured for the test of Clause 11 at the separation point of the supply cord inside the appliance.  For the test of sub-clause 19, P1 shall also be measured. However, it shall be measured at highest point of temperature closest to the external surface of the				
Explanatory notes	cord is obtained However, in the surroundings, test of clause	ed for both cases a ne test of Clause 19 rather than the det	t the point of entrand b, the concerns are be erioration of insulation	ulation of the power supply ceway in the appliance. nazards, such as ignition of on between wires as in the		
P 1		-				



Red colored: Current carrying part W hite colored: Insulation Green colored: Sheath

ECS operatio	nal staff meeting	OSM HA N°403			
Sub cl.	Meeting	Agenda item	Document		
7.15	21	6.6	(FR)01/07		
Standard	EN 60335-1:2			Date	2017-02-08
Question	Some appliances are composed by a class III part supplied by a class II plug transformer through a removable cord connection.  The clause 7.15 indicates that "The markings specified in 7.1 to 7.5 shall be on main part of the appliance"  We have seen some differences in the application of the markings between tes houses:  1) Shall the symbol corresponding to the class II be applied? On which part of appliance?  2) May the markings specified in 7.1 to 7.5 be placed on the transformer, with of the reference of model on the class III part?  Our proposal is to answer Yes to the 2 questions and to consider that the class symbol shall be placed on the transformer, but we would want to have the opin of other delegates.				
Decision	following con - the appliance and a class II - the power s model or any - the class III the instruction be used.	ce is delivered as o Il apparatus. upply is specially d other relevant ider apparatus has the ns shall include tha kings required in th	ne appliance with esigned for the cl ntification of the c same model mar t only the powers	a two parts, lass III appa lass III part king as the supply unit	a power supply unit aratus and has the written on it. power supply unit and delivered with it can
Explanatory notes					

ECS operational s	OSM HA N°404						
Sub cl.	Meeting	Agenda item	Document				
19.5	21	6.8	(IT)01/07				
Standard	EN 60335-1:20 EN 60335-1:20	-	Date	2017-02-08			
Question	defrosting heat refrigerators be element" and c	Shall the heating element shown in the photo, and commonly used for defrosting heating element in refrigerators be considered as a "tubular sheathed or embedded heating element" and consequently is the test of sub- clause 19.5 applicable?					
Decision	considered to b	pe tested 9.5 which refers to	·	able insulation is not hat may be affected by			
Explanatory notes							



ECS operational staff meeting household appliances decision sheet					OSM HA N°405		
Sub cl.	Meeting	Agenda item	Document		1		
19.11.2	22	5.2.1	(SEC)04/08				
19.11.2	21	6.11	(ES)03/07				
Standard	EN 60335-1:200 EN 60335-1:200			Date	2017-02-08		
Question	continuously co questions are in failure tests in s	In 19.11.2 of IEC 60335-1 (Ed 4.2) the a) to g) failure conditions apply to circuits continuously connected to the supply mains, for example, stand-by circuits. The questions are in relation with the conditions that has to be assessed after 19.11.2 failure tests in stand-by mode operation:  Are tests of clause 19.11.3 and 19.11.4 applicable after the first failure of 19.11.2					
Decision	hardware failure relevant test of It must be unde the PEC under to apply the rele However, it must the relevant test electronic circuit	The tests of clause 19.11.3 and 19.11.4 applicable after the first failure of 19.11.2?  The tests in 19.11.2 have to be done in a specific order in such a way that first a hardware failure according to 19.11.2 is applied in the PEC and then secondly the relevant test of clause 19 protected by this PEC is carried out.  It must be understood that if a hardware failure according to 19.11.2 is applied in the PEC under consideration causes a shut down then as per 5.3 it is meaningless to apply the relevant test of clause 19 protected by this PEC.  However, it must also be understood that the PEC providing the protection during the relevant test of clause 19 will have to be tested according to 19.11.2 as an electronic circuit. If during this test a shut down occurs, 19.11.3 requires that this 19.11.2 test is repeated with a fault in the circuit that caused the shut down					
Explanatory notes							

ECS operational staff meeting household appliances decision sheet					OSM HA N°406
Sub cl.	Meeting	Agenda item	Document		
19.11.4.1.to 19.11.	21	6.12	(IT)02/07		
0: 1 1				15.	10017.00.00
Standard	EN 60335-1: EN 60335-1:			Date	2017-02-08
Question	electromecha		es with a switch	with an OF	appliances having an F position obtained by stand-by mode?
Decision	If the switch applicable	allows leaving the a	appliance in stand	d-by mode,	then 19.11.4 is
Explanatory notes					

ECS operation	onal staff meeting ho	ousehold appliand	ces decision shee	et	OSM HA N°407		
Sub cl.	Meeting	Agenda item	Document				
19.11.4.4	21	6.13	(FR)02/07				
Standard	EN 60335-1:20 EN 60335-1:20	-		Date	2017-02-08		
Question	disconnect the ("Earthed heating test").  In case where to disconnection we operating control operating with the control operating with the control operation operation.	In case where the heating element is so integrated in the appliance that the disconnection was not possible and, where, due to the construction and the operating control system, the manufacturer is not able to realise a specific sam operating with the heating element disconnected, when applying the test with the heating resistance connected, the insulation between earth and the heating element					
Decision	tested for failure		f the failure affec		not considered to be tronics, then it shall		
Explanatory notes							

ECS operational staff meeting household appliances decision sheet					OSM HA N°408	
Sub cl.	Meeting	Agenda item	Document			
22.33	22	5.2.1	(SEC)04/08			
22.33	21	6.14	(CH)05/07			
Standard	EN 60335-1:2 EN 60335-1:2			Date	2017-02-08	
Question	cloudiness/du between wate applications (c In all applicati This means, c connected to water containe	coffeemakers, dishons the water contact. 22.33 is for appliche earth not appliche	e used and in which used. These sens nwashers) it is post tainer are connect iances, such as condect. cable. Same situa	ch the reining ors are places are places are places are places are protected to protected to protected at in a conference are places	forced insulation aced in water. In such ave contact with water. ective earth. er with an instant heater dishwashers, where the	
Decision		Liquid in connection with earthed metal parts are not considered to be electricall accessible in case of insulation failure.				
Explanatory notes						
1						

ECS operational sta	aff meeting househ	old appliances d	ecision shee	et	OSM HA N°416
Sub cl.	Meeting	Agenda item	Documer	nt	
20.2	22	5.2.1	(SEC)04/	/08	
Standard	EN 60335-1:2002 EN 60335-1:2012			Date	2017-02-08
Question	Which test probe to sub-clause 20. The clarification of influences of the	.2? of the length of th	·		ving parts according y, due to its
Decision	Figure 1 is used test probe B of 6				based on modified
Explanatory notes					
Length 180 m m	Figure 1  Diamete 50 m m	S to p face		Figure 2	Thickness 5 m m  Diameter 5 0 m m

ECS operation	OSM HA N°417						
Sub cl.	Meeting	Agenda item	Document				
19.13	22	5.2.1	(SEC)04/08				
Standard	EN 60335-1:	2002		Date	2017-02-08		
Otaridard	EN 60335-1:			Date	2017 02 00		
Question		Isn't it necessary to discriminate the limit for Insulation of the supply cord in Ta 9 of 19 between those with T marking and without T marking?					
Decision	<ul><li>Insulation of without T ma</li><li>Insulation of the second control of the secon</li></ul>	nmendation shall be of the supply cord arking, or with T man of the supply cord ng above 75°CT-	rking up to 75 °C				
Explanatory notes	61/3211/RM	was originated base and made accordin is the same of CT	ng to 61/3114A/INF		da item 6a of		

ECS operation	OSM HA N°						
Sub cl.	Meeting	Agenda item	Document	l .			
8.1.5	22	6.2	(ES)07/08				
Standard	EN 60335-1:2 EN 60335-1:2 EN 60335-2-2	012	Date	2017-02-08			
Question	encountered in characteristics. The external control wall, the cablin of the apparate it can be notice gets accessible to connect the	In the photograph below it is shown a hand dryer of those typically encountered in offices, restaurants, hotels etc. They usually have similar characteristics and mounting method:  The external cover has to be retired, the body of the apparatus is fixed to the wall, the cabling from the installation is passed through a hole in the back sof the apparatus and connected to the terminals of the apparatus. It can be noticed that a printed circuit board with its components (live parts) gets accessible, besides the terminals, when the front cover is retired in ord to connect the apparatus to the installation cabling.  Question: is this construction in agreement with the clause 8.1.5					
Decision		to "before the insta re access to electric	llation" in 8.1.5 mear al equipments.	ns before removing			

## Explanatory notes

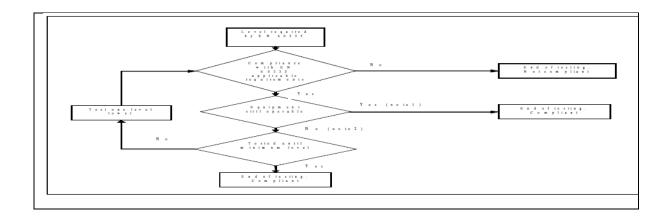


ECS operation	al staff meeting hous	sehold appliances d	ecision sheet		OSM HA N°421
Sub cl.	Meeting	Agenda item	Document		
11 / 19	22	6.3	(GB)05/08		
Standard	EN 60335-1:2 EN 60335-1:2			Date	2017-02-08
Question	that should be are used within We would also materials parts winding proce wound and vathe lamination	n its insulation system is its insulation system of like you comments on the pass and do not contributed the coils be	or where differ em. s on the manu hotographs, a bute to the ins come solid an	ent insula facturer's are only the sulation sy ad cannot	tion class materials claim that the class B ere to assist in the
Decision	consequence contact with the and the lower In the example equivalent becomes insulation and	for the operation or the winding have to be class define the cla the shown in the photo cause white part is it	compliance or be considered as of the each or, the rotor is an contact with ered class F or	f the moto to define part. considere the windi or equivale	the insulation class d class B or ng then is used as ent because white part

## Explanatory notes



0.1.1	T		15	
Sub cl.	Meeting	Agenda item	Document	
19.11.4.4	23	6.2	(SEC)04/09	
19.11.4.4	22	6.6	(ES)04/08	
Standard	EN 60335-1:2 EN 60335-1:2		Date	2017-02-08
Question	and test level The test hast of Clause 5 of IE voltages of the According to to with a determitest levels. On the other haspecifications for lower level Questions: 1- Do you agree 2- Would you extension of the 3- A sequence page) in order adequate? Note 1: If the exitill fully operates less stringent Note 2: If the exitingent Note 2: If the exitingent Note 3: If the exitingent	4 for coupling from I to be performed acc IC 61000-4-5 "Test I to lower test levels shis paragraph it see ned test level required and we haven't four of the other types of the other types of the other types of the criteria for surgest to reduce the testing equipment complies and they can be omeganisment gets broken.	ine to earth. ording to IEC 61000-4 Levels" includes a para nall be satisfied". ms clear that (for surg es the testing and con and a similar requireme f disturbances (difference). on of the situation? that the standard EN to other types of perto is proposed in the follo ig where possible. Do with the requirements the considered that lowe itted. ten, it could happen the oreak the equipment b	es) the compliance opliance with the lower on the test of the surges of the standard and is a relevel surge will be at a lower level surge
Decision	required but b	e done in a separate	v chart. The test has to e control if it is evident note 2 of 5.2 and last	that this cover the test
Explanatory notes	in New Zealar common way Note 1: If the chas not been less stringent Note 2: If the chas not have enough to put Note 3: the de	nd on April 2008. The for testing to be properly be defined to be properly be defined to be properly to be defined and they can be ome dequipment gets broke enough energy to be the equipment in ar	e intention in the OSM posed to the CTL. with the requirements be considered that low itted. It could happen thoreak the equipment be unsafe state	of the standard and it er level surges will be at a lower level surge



ECS operational staff meeting household appliances decision sheet					OSM HA N°432		
Sub cl.	Meeting	Agenda item	Document				
3.3.6, 22.7 and 22.	23	7.1	(BE)03/09				
Standard	EN 60335-1:200 EN 60335-1:201	-		Date	2017-02-08		
Question	impedance or not According to state same requirement 1:2006 requires Some requirement and in these cast Also in the standard stan	We have had discussion if one Y1 capacitor can be accepted as protective impedance or not.  According to standard IEC 60335-1:2001, this construction is not acceptable. Th same requirement is valid for tools, sub-clause 21.36 in standard IEC 60745-1:2006 requires two separate components.  Some requirements in standard IEC 60335 is stricter than in component standard and in these cases we have to follow the appliance (end product) standard. Also in the standard of transformer IEC/EN 61558-2-6 this has been apparently been accepted in order to accept one Y1 capacitor. Based on the IEC 61558-1					
Decision	According to note 3 of 24.1 of part 1 if the safety extra low voltage can be accessible it should be required to comply with the requirements of double insulation (cl. 29)and cl. 22.42, protective impedance (two Y capacitors).						
Explanatory notes							

_oo oporani	onal staff meeting h	rougeriera appliant	300 400.0.0.1 0.100		OSM HA N°436
Sub cl.	Meeting	Agenda item	Document		
3.8.3	23	9.1	(IT)05/09		
Standard	EN 60335-1:2 EN 60335-1:2			Date	2017-02-08
Question	1:2002) the desubstantially of "Heating elem appliance and operated under conditions have Our understar which the heat Now, in many incorporated in considering the not reach 650. Our question if glowing heating This issue sees 3.106 (the heat we are not suit or to all room."	efinition of visibly gehanged: ent that is partially has a temperature or normal operation we been established in the first state of the first sta	lowing heating electory or completely vise of at least 650° nat rated power in d". C stated in the defines "visibly glowing heaters, toasters halogen lamps) are, the temperature eating element (had in A2 of EN 6033 didered to be a vise by referred to ceiling type of heating element (had single entry the temperature).	ement has sible from a C when the open continuous sible from a continuous sible finition is the finition is the finition is the glass alogen lamber of the glass along the glass alo	outside of the e appliance has been steady stated
Decision	surface, conse but is it possib visibly glowing	equently an haloge le to have a room	en lamp may be a heater with this la	visibily glo amp and n	glows, not for the lampowing heating element ot considering it as a s of the other room
	heaters.				
Explanatory notes	heaters.				

ECS operational staff meeting household appliances decision sheet					OSM HA N°437
Sub cl.	Meeting	Agenda item	Document		
8	23	9.2	(NL)03/09		
Standard	EN 60335-1:2 EN 60335-1:2			Date	2017-02-08
Question	finger in with 2 is repeated wi finger test is c force). What is the fo	20 N straight positi th the probe in and arried out with a fo	ion: "If the probe to gled position.", it is proce not exceeding the repeated test	then enters means tha g 1 N (= w	pplication of the test s the opening, the test t the repeated test vithout appreciable t after having applied
Decision		f interpretations is h 20 N the test fin			straight position touch the relevant
Explanatory notes					

ECS operatio	S operational staff meeting household appliances decision sheet OSM HA N°438					
Sub cl.	Meeting	Agenda item	Document			
19.7	23	9.4	(DE-VDE)02/09			
Standard	EN 60335-1:20 EN 60335-1:20	<del>-</del> —	Date 2017-02-08			
Question	Due to wear, broken or damaged metal parts such as springs, snap rings, ge bearings etc. the transmission in the high pressure system can be blocked. With regard to a comprehensive risk analysis the mechanical blockage of the externally accessible spindle has to be simulated in order to ensure compliar with the requirements of section 19.  At the verification of a damage event it was observed that the possibility of a blocking of the transmission has not been taken into account for the risk anal and, as a result, the motor caught fire within very short time (<15s). An appropriate protection device was not available at this appliance. Has to be considered the potential risk of a direct blocking of the transmission therewith of the motor be taken into account when testing the appliance account to sub clause 19.7?					
Decision	the most		7 condition applie	•	ring shall be done on e rotor itself.	
Explanatory notes						

ECS operation	ECS operational staff meeting household appliances decision sheet				OSM HA N°441
Sub cl.	Meeting	Agenda item	Document		
29	23	6.2	(SEC)04/09		
Standard	EN 60335-1:20 EN 60335-1:20			Date	2017-02-08
Question	connection with or IIIb. For example, the which have to be CTI. Often we have prepared test sor shape.	n required creepa nere may be 10 cope tested unless near from custom amples in case the	lifferent relevant r the materials are hers that they hav he parts are not s	to be of materials in already se e to delive atisfactory	g material in naterial group I, II, IIIa naterial group I, II, IIIa na simple motor, all of eparately certified for r certificates or special of for testing, due to size least of material group
Decision	Yes, it is always	s necessary to ve	erify that the mate	erial group	is at least of group IIIb
Explanatory notes	it was necessar	ry to clarify the p	rocedure.		consuming. Therefore, L in Beijing on 2009.

ECS operation	operational staff meeting household appliances decision sheet				OSM HA N°449	
Sub cl.	Meeting	Agenda item	Document			
11.8+Table 3	24	6.2	(SEC)05/10			
Standard	EN 60335-1 :20 EN 60335-1 :20			Date	2017-02-08	
Question	"For supply conbeen 50K rise". Lately a test late cord as being a Therefore the 3 rejected since the What is the right having a temper.	has rejected a value of has rejected a value of the cord with cord sample of the cord temperate temperature riserature rating? The	rature rating the tracuum cleaner sine heaths used as sine applied and consture was not meet	ince they i upplement equently t ting this lir r a standa nis applian	the appliance was mit. rd supply cord not	
Decision	rise, as it is me - Cord sheaths additional shea without that add certified appliar	ntioned in table 3 are cords with ar th has to be rega ditional sheath hances.	s, for the following n additional sheat rded as supplements as been used in al	reason: h on the s entary isol ll other alre	re limit to apply is 50K upply cord and that ation. The normal cord eady approved and uirement for supply	
Explanatory notes	May 2009.				61 Meeting in Oslo,  Plenary Meeting on	

ECS operation	nal staff meeting h	ousehold applian	ces decision shee	et	OSM HA N°451
Sub cl.	Meeting	Agenda item	Document		
25.14	24	6.3.1	CLCTC61SEC	1769	
Standard	EN 60335-1:20 EN 60335-1:20			Date	2017-02-08
Question	Subclause 25.14 of EN60335-1 requires flexing test in order to check the protection of the supply cord against excessive flexing where it enters the appliance, when the supply cord is moved while in operation. In some cases, the manufacturer proposes several cable suppliers with differ references but same category and same section. (example: H03RT-F 0.75m When the manufacturer proposes alternative cables with same category and same section, do we have to perform test of clause 25.14 on these alternative cables?  If in some appliances can be assessed that different cables may gives differed results in 25.14 and considering that is difficult in practise to repeat the test of the that the cable is changed and impossible if the connection Type is X, the majority opinion is that a more reproducible test for this requirement is needed a clarification of how the appliance can meet the requirement without consider the different cables (for example, no strands broken, or additional cycles, etc.)				
Decision		s in favour not to re t. All cable with the			ecific tested cables for be accepted.
Explanatory notes	The problem v modification to different types solution could		was invited to mag g evidence of differ the meeting it wa	ake a spece erent results mention	cific proposal for

ECS operation	nal staff meeting hou	al staff meeting household appliances decision sheet				
Sub cl.	Meeting	Agenda item	Document			
25.2	24	7.9	(NO)02/2010			
25.2	30	4.1.1		between	meetings	
Standard	EN 60335-1:2 EN 60335-1:2 EN 60335-2-	2012		Date	2017-02-08	
Question	into one appli There is no e own supply c The question	iance. lectrical connection lord and plug. is if this construction lord, shall not be prov	between the	two parts,	parts mounted together and each part has its uirement of 25.2 e means of connection	
Decision	Consequently The construct appliances the therefore accommod consequently If the 2 intern	s one appliance and	ave to be put the the unit is toved and be upply means ave to be put t be operated	on it. considered used as s on. d as a stan	I to be two separate tand alone and d-alone then the unit is	

## Explanatory notes



Sub cl.	Meeting	Agenda item	Document		
11.3+19.7	25	7.1.2	OSM HA (BE (	01)	
Standard	EN 60335-1 :20	12		Date	2017-02-08
Question	resistance meth the necessary of means of therm	nod unless the wi connections, in w ocouples. emperature rise c	ndings are non-u hich case the ten	niform or if	determined by the it is difficult to make ise is determined by method and in what
Decision	measurement c The resistance possible. This n The measurement is technically no	an be done. method is the ref nethod takes pre ent with thermode t possible(time to	ouple shall only b	and should be done if the ding is too	
Explanatory notes				,	

ECS operation	nal staff meeting	household applian	ces decision shee	et	OSM HA N°468	
Sub cl.	Meeting	Agenda item	Document			
22.31/26.11	25	7.1.8	0SMHA2011			
Standard	EN 60335-1 :	2002		Date	2017-02-08	
Stariuaru	EN 60335-1 :		Date 2017-02-08			
Question		cted by soldering for external conductor		ces and cl	ass II constructions	
Decision	and/or reinfor	ced insulation coul	ld be reduced and	for extern	here supplementary nal conductors. dently of the soldering)	
Explanatory notes	This decision	sheet replace dec	ision sheet 35			

ECS operational staff meeting household appliances decision sheet				OSM HA N°470		
Sub cl.	Meeting	Agenda item	Document			
24.1	26	7.1.4	FI 02/2012			
Standard	EN 60335-1 :			Date	2017-02-08	
Question	standards as Same Clause "Components IEC standard Is it acceptab	far as they reason e from the IEC 6033 s shall comply with is as far as they rea	ably apply." 35-1 Ed.5: the safety require asonably apply." bonent in the app	ements spe	ecified in the relevant ecified in the relevant is tested and certified ard).	
Decision		vant IEC/EN/HD sta can be accepted if			ent to the IEC/EN HD	
Explanatory notes						

	onal staff meeting ho	ousenoid appliand	es decision snee	···	OSM HA N°471
Sub cl.	Meeting	Agenda item	Document		
22.42	28	5.1.3	TUV SUD 02/20	013	
Standard	EN 60335-1 :20	)12		Date	2017-02-08
Question	protective imperelated to differ accessibility of voltage.  1.) Power suppose a fixed connot any a SELV plugurequires that on 3b.) Power suppose to contain any 3c.) Power suppose supplier; manual 3d.) Power suppose supplier; manual 3d.) Power suppose supplier; manual 3d.) The class Ineeded is referred only to be use 3f.) The class Ineeded is referred only to be use 3g.) The class Ineeded is referred only to be use 3g.) The class Ineeded is referred only to be use 3g.) The class Ineeded is referred only to be use SELV"  Concerning the impedance two 1 or IEC 61558 supplies would Q1) What is received the impedance two with IEC/EN 60	dance ent cases; no batte the secondary  by with SELV outply with SELV outplected interconnectly and class III and requirements record and class III arequirements record and class III arequires that or ply and class III arequires that or ply and class III and does not contain III appliance is solved to in the manual difference to in the manual and together with are together with a fact that IEC/EN Y capacitors in second to in the manual difference to in the manual diffe	but is integral part but is external part appliance are sold part in poliance are sold appliance are sold appliance are sold in any requirement das standalone pual as:  The power supply to das standalone pual as:  The certified power sold as standalone pual as:  The company of the	ELV is required and apply to fan apply to fan apply in the sare oplies. I separately power suply separately product. The apply with product. The apply with product. The apply with product and apply with product apply with apply wit	liance bliance and connected bliance and connected me box; manual me box; manual does y but from the same ply shall be used. y but from the same ng power supplies. he SELV power supply from YYYY".
Decision	2) acceptable if 3a) acceptable 3b) not accepta class III construte appliance is appliance.) 3c) acceptable 3d) not accepta	action supplied from the complying with according 7.1 if complying with according with accomplying with accomplying with accomplying with according the complying with according the complying with according to the complete with a complete	\$22.42 \$22.42 2(The instruction om a detachable p with the power su \$22.42 2 last paragraph.	oower supp upply unit p	ances having a part of oly unit shall state that provided with the

appliance is possible only with a power supply using two Y capacitors as protective impedance. For certification of such appliances all possible measure have to be taken to ensure that only such power supplies are used.
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ECS operational staff meeting household appliances decision sheet					OSM HA N°472
Sub cl.	Meeting	Agenda item	Document		
19.9	28	5.1.16	LCOE 02/2013	<u> </u>	
Standard	EN 60335-1 :	2012		Date	2017-02-08
Question		ood motors, fans, a overload test)?	and "this" type of r	motors mu	st be tested for clause
Decision	be operated of	continuously shall o	comply to this clau	ıse.	lly controlled or liable to are designed to run
Explanatory notes					

ECS operational staff meeting household appliances decision sheet  OSM HA N°4							
Sub cl.	Meeting	Agenda item	Document		1		
24	28	5.2.1	VDE15/03	/2013			
Standard	EN 60335-1 :201	2		Date	2017-02-08		
Question	Connection of tu	bular motors to the installation couple	e fixed insta	llation? (see	iate provision for the attached photo) part of the drive or as		
Decision	Q1) Yes, only if they are part of the appliance. The female and male part needs to be delivered and are considered as part of the appliance. (construction component(male part) + supply cord(female part).) The component has to comply with the 60335 standard including §8, 30 Q2) part of the drive.						
Explanatory notes							

ECS operational staff meeting household appliances decision sheet					OSM HA N°476		
Sub cl.	Meeting	Agenda item	Document				
7.12	30	5.5.1	VDE1/2016				
Ctondond	EN 00005 4 -0	1040		Dete	1 2047 00 00		
Standard	EN 60335-1 :2			Date	2017-02-08		
Question	the appliance indicating othe limiting the use the standard (i	§7.12 requires that the instructions shall include a warning restricting the use of the appliance to children above 8 years. Some parts 2 modify this requirement by indicating others ages. When instruction of the appliance includes the warning limiting the use of the appliance with a limit different but higher than required by the standard (for example 14 years instead of 8 years). Is this instruction in line with the standard?					
Decision		no , manufacturer can not modify the age requested in the standard. EN 60335-2-x defines the age otherwise EN 60335-1 applies					
Explanatory notes							

ECS operation	onal staff meeting	household applian	ces decision shee	et	OSM HA N°477		
Sub cl.	Meeting	Agenda item	Document				
24.1.4	29	5.1.5	BE01/2015				
24.1.4	30	7.1	BE01/2015				
			•				
Standard	EN 60335-1:	2012		Date	2017-02-08		
Question	the relevant   The number test of Clause appliance me Does this me of the autom §24.1.4? What about a If complies w We have an 19.4 and 19. standard). Does the abo Is 24.1.4 only	What about a electronic circuit with a relay for the switching action? If complies with 19.14, does it then need to be retested acc. 24.1.4? We have an electronic circuit as thermal regulation for §11. We have performed 19.4 and 19.14, which short-circuits the automatic control (required in the					
Decision	relays incorp When application operate durin 6.11 of IEC 6 when they ar "The requirer (incl. §11). If	Cycles in §24.1.4 in general are not applicable for electronic circuits (except to the relays incorporated).  When applicable, the number of cycles of operation for automatic controls that operate during the test of Clause 11 need not be tested as requested for 6.10 and 6.11 of IEC 60730-1, if the appliance meets the requirements of this standard when they are short-circuited.  "The requirements of this standard" written in the above means complete standard (incl. §11). If the appliance pass §11 and the other standard clauses with the control short-circuited, no requirements for cycles are applicable.					
Explanatory notes							

for the connection to the power supply. Although a power supply of SELV requirements (61558-2-16 + cl. 22.42 etc) we are having some construction. Most of the power supplies are designed to/complying best) and due to the broad use of such power supplies for the vari (tablets, phones etc) several pieces of such power supplies are foun home and as such there is a very high likelihood of the 60335-applic connected to a EN 60950 compliant power supply rather than the in (complying with 60335/61558). This would lead to an appliance no EN 60335 and a potential for a compromise of safety in terms of 60 What is the opinion of OSM HA ¿  Decision  This is covered by  Sq. 4.2 definition,  Sq. 1.2 (The instructions for appliances having a part of construction supplied from a detachable power supplied. This kind of appliance. (cl.II appliance with a detachable cl.III c USB supply connector) can be accepted since they are cover requirements of EN 60335-1 (in particular see above requirements of EN 60335-1 (in particular see above requirements of EN 60335-1 (in particular see above requirements of EN 60335-1:A2  Appliance which requires a connection to SELV transformer cast. III appliance which requires a connection to SELV transformer cast. III appliance which requires a connection to SELV transformer cast. III appliance which requires a connection to SELV transformer cast. III appliance which requires a connection to SELV transformer cast. III appliance which requires a connection to SELV transformer cast. III appliance which requires a connection to SELV transformer cast. III appliance which requires a connection to SELV transformer cast. III appliance which requires a connection to SELV transformer cast. III appliance which requires a connection to SELV transformer cast. III appliance which requires a connection to SELV transformer cast. III appliance which requires a connection to SELV transformer cast. III appliance which requires a connection to SELV transformer cast. III appliance which requires a connection to SEL				ces decision shee		OSM HA 478-201		
Standard EN 60335-1:2012 Date  CI. III appliance under the scope of EN 60335-1 is equipped with a for the connection to the power supply. Although a power supply of SELV requirements (61558-2-16 + cl. 22.42 etc) we are having some construction. Most of the power supplies are designed to/complying best) and due to the broad use of such power supplies for the var (tablets, phones etc) several pieces of such power supplies are foun home and as such there is a very high likelihood of the 60335-applic connected to a EN 60950 compliant power supply rather than the ir (complying with 60335/61558). This would lead to an appliance no EN 60335 and a potential for a compromise of safety in terms of 60 What is the opinión of OSM HA ¿  Decision  This is covered by  S.4.2 definition,  Sy.4.2 definition,  Sy.4.2 definition or class III appliances having a part of construction supplied from a detachable power suppliments of EN 60335-1 (in particular see above requirements of EN 60335-1 (in particular see	b cl.	Meeting	Agenda item	Document				
CI. III appliance under the scope of EN 60335-1 is equipped with a for the connection to the power supply. Although a power supply of SELV requirements (61558-2-16 + cl. 22.42 etc) we are having some construction. Most of the power supplies are designed to/complying best) and due to the broad use of such power supplies for the var (tablets, phones etc) several pieces of such power supplies are foun home and as such there is a very high likelihood of the 60335-applia connected to a EN 60950 compliant power supply rather than the in (complying with 60335/61558). This would lead to an appliance no EN 60335 and a potential for a compromise of safety in terms of 60 What is the opinión of OSM HA ¿  Decision  This is covered by  Sa.4.2 definition,  S7.12 (The instructions for appliances having a part of construction supplied from a detachable power sup The instructions for class III appliances shall state  S22.56(A2)  This kind of appliance. (cl.II appliance with a detachable cl.III of USB supply connector) can be accepted since they are cover requirements of EN 60335-1 (in particular see above requirements of EN 60335-1 (in particular see above requirements of EN 60335-1 (in particular see above requirements of EN 60335-1; (in par	2	OSMHA 2017	4.2.1	UL-DEMKO 07	-12-2016			
CI. III appliance under the scope of EN 60335-1 is equipped with a for the connection to the power supply. Although a power supply of SELV requirements (61558-2-16 + cl. 22.42 etc) we are having some construction. Most of the power supplies are designed to/complying best) and due to the broad use of such power supplies for the var (tablets, phones etc) several pieces of such power supplies are foun home and as such there is a very high likelihood of the 60335-applia connected to a EN 60950 compliant power supply rather than the in (complying with 60335/61558). This would lead to an appliance no EN 60335 and a potential for a compromise of safety in terms of 60 What is the opinión of OSM HA ¿  Decision  This is covered by  Sa.4.2 definition,  S7.12 (The instructions for appliances having a part of construction supplied from a detachable power supThe instructions for class III appliances shall state  S22.56(A2)  This kind of appliance. (cl.II appliance with a detachable cl.III of USB supply connector) can be accepted since they are cover requirements of EN 60335-1 (in particular see above requirem C I.III appliance with only USB supply connector can not be accepted since they are cover requirements of EN 60335-1 (in particular see above requirem C I.III appliance with only USB supply connector can not be accepted since they are cover requirements of EN 60335-1, in particular see above requirem C I.III appliance with only USB supply connector can not be accepted since they are cover requirements of EN 60335-1, in particular see above requirem C I.III appliance with only USB supply connector can not be accepted since they are cover requirements of EN 60335-1, in particular see above requirem C I.III appliance with only USB supply connector can not be accepted since they are cover requirements of EN 60335-1, in particular see above requirements of EN 60335-1, in particular see above requirements of EN 60335-1, in which case it becomes a cl.III construction. (§6.1)  But a battery operated appliance can be cons								
for the connection to the power supply. Although a power supply of SELV requirements (61558-2-16 + cl. 22.42 etc) we are having some construction. Most of the power supplies are designed to/complying best) and due to the broad use of such power supplies for the vari (tablets, phones etc) several pieces of such power supplies are found home and as such there is a very high likelihood of the 60335-applic connected to a EN 60950 compliant power supply rather than the ir (complying with 60335/61558). This would lead to an appliance no EN 60335 and a potential for a compromise of safety in terms of 60 What is the opinión of OSM HA ¿  Decision  This is covered by  Sq. 4.2 definition,  Sq. 12 (The instructions for appliances having a part of construction supplied from a detachable power supplied. The instructions for class III appliances shall state  Sq. 22.56(A2)  This kind of appliance. (cl.II appliance with a detachable cl.III of USB supply connector) can be accepted since they are cover requirements of EN 60335-1 (in particular see above requirem C I.III appliance with only USB supply connector can not be accepted. IEC 60335-1:A2  Appliance which requires a connection to SELV transformer cas cl.III appliance since according §22.56 it always has to be a detachable power supply part, in which case it becomes a cl.III cl.III construction. (§6.1)  But a battery operated appliance can be considered as cl.III a The decision to mark the appliance is up to the manufacturer.	ndard	EN 60335-1:20	12		Date	2017-04-21		
<ul> <li>§3.4.2 definition ,</li> <li>§7.12 (The instructions for appliances having a part of construction supplied from a detachable power supThe instructions for class III appliances shall state</li> <li>§22.56(A2)</li> <li>This kind of appliance.(cl.II appliance with a detachable cl.III clusted use supply connector) can be accepted since they are cover requirements of EN 60335-1 (in particular see above requirements of EN 60335-1 (in particular see above requirements of EN 60335-1.</li> <li>IEC 60335-1:A2</li> <li>Appliance which requires a connection to SELV transformer can so cl.III appliance since according §22.56 it always has to be so detachable power supply part, in which case it becomes a cl.III cl.III construction.(§6.1)</li> <li>But a battery operated appliance can be considered as cl.III at The decision to mark the appliance is up to the manufacturer in the second of the property of the manufacturer in the second of the property of the manufacturer in the second of the property of the manufacturer in the second of the property of the manufacturer in the property of the property of the manufacturer in the property of the proper</li></ul>	estion	CI. III appliance under the scope of EN 60335-1 is equipped with a USB-type connector for the connection to the power supply. Although a power supply complying with 6033 SELV requirements (61558-2-16 + cl. 22.42 etc) we are having some doubts about this construction. Most of the power supplies are designed to/complying with EN 60950 (at best) and due to the broad use of such power supplies for the various mobile devices (tablets, phones etc) several pieces of such power supplies are found in almost every home and as such there is a very high likelihood of the 60335-appliance ending up bein connected to a EN 60950 compliant power supply rather than the intended device (complying with 60335/61558). This would lead to an appliance no longer complying w EN 60335 and a potential for a compromise of safety in terms of 60335.						
- §3.4.2 definition, - §7.12 (The instructions for appliances having a part of construction supplied from a detachable power supThe instructions for class III appliances shall state - §22.56(A2)  This kind of appliance.(cl.II appliance with a detachable cl.III clusted use supply connector) can be accepted since they are cover requirements of EN 60335-1 (in particular see above requirements of EN 60335-1 (in particular see abo		Tuta ta a a a a a a	11					
		This is covered by  - §3.4.2 definition, - §7.12 (The instructions for appliances having a part of class III construction supplied from a detachable power supply unit shall stateThe instructions for class III appliances shall state,and - §22.56(A2)  This kind of appliance.(cl.II appliance with a detachable cl.III construction with only USB supply connector) can be accepted since they are covered by the requirements of EN 60335-1 (in particular see above requirements).  C I.III appliance with only USB supply connector can not be accepted. (see § 22.56)  IEC 60335-1:A2  Appliance which requires a connection to SELV transformer can not be regarded as cl.III appliance since according §22.56 it always has to be supplied with a detachable power supply part, in which case it becomes a cl.II appliance with a cl.III construction.(§6.1)  But a battery operated appliance can be considered as cl.III appliance. The decision to mark the appliance is up to the manufacturer .lt is not mandatory.						
Explanatory notes	•							

Question We had A clier openin 60335 8.2 Cothat the parts of the limit had been the Below 61032 According to the light had been	ai staii iiicctiii	g nousenoid applia	nces decision sheet		OSM HA N°01/2019
Standard EN 603+A11:2  Question We had A clier openin 60335 8.2 C that the parts:  It shainsulation accord  Test prinstall And E 8.2 In the Below 61032 Accord  isn't it.	eting	Agenda item	Document		
+A11 ::  Question We have a client opening 60335 8.2 Compared to that the parts of the compared to the compare		5.4.1	OSMHA BE 04/2	2018	
A clier openin 60335 8.2 C that the parts so it sha insula compactor of the sharp o	60335-1 : 2012 11 :2014+A13 :2	: 2017+A1 :2019+A2:2	019+A14:2019	Date	2019/11/21
	client wants to enings showed 335-1 clause 8 2 Class II appliant there is adequarts separated from shall only be posulation or reinformpliance is checordance with the est probe 8 of IE stallation.  d EN 60335-1  Modification the third senter the fourth senter 032(test probe coording to IEC	produce portable in the below, The appliance in below, The appliance in below, The appliance in the parts of the parts by basic consible to touch parts orced insulation.  The parts by basic consideration in the parts by basic conditions specified in the parts or th	and by applying test in 8.1.1.  built-in appliances and obe B of EN 61032" b	ppliance has plastic constructed basic insuffrom live probe B of fixed appliance by "test probes" by "test p	ave ventilation enclosure. IEC and enclosure. IEC and enclosed so lation and metal parts by double of IEC 61032 in lances only after bes of EN 61032**.  probe B and probe 18 ter wire) of EN
			Am2 the test probe probe 17 is not cons		3 are considered in
Explanat Confir	nfirmed by CL	C TC 61 2018			

ECS operation	OSM HA N°02/2019						
Sub cl.	Meeting	Agenda item	Document				
7.10		5.1.7	OSM HA IT01/2	2018			
Standard	EN 60335-1 : 201 +A11 :2014+A13	2 :2017+A1 :2019+A	2:2019+A14:2019	Date	2019/11/21		
Question	We have to test an appliance whose operation (start and stop) is commanded through voice control by the user pronouncing appropriate words. The appliance recognizes the vocal commands till a considerable distance.  Q1) Should the appliance give an audible and visual feedback so that it can be seen and heard by the user at that distance?  Q2) If the answer to Q1 is YES: what about the visual feedback, if the user is out sight of the appliance?						
Decision  Q1 - yes, the voice control is considered remote communication and remote operation (in accordance to the Wellington decision). See clause 3.1.12 of EN 60335-1 ed 5.2 (remote operation definition)  Q2 - No, because the voice control shall not be compliant with clause 7.10 but must be compliant with clause 22.51							
Explanatory notes	See also minute Decision: Remo In case of a void any device that	ete control have to be control, that op	HA meeting, item 6 ocomply with the serates out of sigh requirement relevant.	same requi	emote control: frements as a on/off. bliance, there isn't al feedback and the		

ECS operational staff meeting household appliances decision sheet					OSM HA N°03/2019		
Sub cl.	Meeting	Agenda item	Document				
10		5.1.15	OSMHA BE/04/	2019			
Standard	EN 60335-1 : 201 +A11 :2014+A13	2 :2017+A1 :2019+A	2:2019+A14:2019	Date	2019/11/21		
Question	electronic contro	What is the best practice of measuring the power input of appliances having electronic controls. The measurement of the power input can have different results based on the measurement methods.					
Decision	supply to get su	fficient accuracy	of the rms value of		rrent from a 50 Hz nould be sampled at		
Explanatory notes							

ECS operational staff meeting household appliances decision sheet					OSM HA N°05/2019		
Sub cl.	Meeting	Agenda item	Document				
22.5		6.1.2	ES-01 AG28 O	SM HA 201	19		
Standard		EN 60335-1 : 2012 +A11 :2014+A13 :2017+A1 :2019+A2:2019+A14:2019 Date 2019/					
Question	test. In clause 19, for devices. Shall surge prot	In clause 19, for the tests of 19.11.4, it is required to disconnect surge protective					
Decision	For performing the tests of 22.5 Surge protective devices shall be disconnected before performing the tests of 19.11.4.3 and 19.11.4.4 (unless they incorporate spark gaps),						
Explanatory notes							

ECS operation	nal staff meeting ho	ousehold applian	ces decision she	et	OSM HA N°01/2020	
Sub cl.	Meeting	Agenda item	Document			
27.3	OSMHA 2019	5.1.7	FR/04/2019			
Standard	EN 60335-1:20	12		Date	2019/03/27	
Question	through voice c The appliance r Q1) Should the seen and heard	ontrol by the use ecognizes the vo appliance give a by the user at the er to Q1 is YES:	r pronouncing ap ocal commands ti in audible and vis nat distance?	propriate vill a conside		
Decision	operation (in ac 60335-1 ed 5.2 Q2 - No, becau	cordance to the (remote operation	Wellington decisi on definition) trol shall not be c	on). See c	ation and remote lause 3.1.12 of EN vith clause 7.10 but	
Explanatory notes	Confirmed by C	LC TC 61				

ECS opera	OSM HA N° 03/2020						
Sub cl.	Meeting	Agenda item	Document	Document			
8.2	OSMHA 2018	OSMHA 2018 5.4.1 BE-04-2018					
Standard	EN 60335-1 :2012			Date	2019/03/27		
Question We have a question related with class II appliance& class II construction.  A client wants to produce portable induction hob, The appliance have ventilation openings showed below, The appliance is class II, and has plastic enclosure. IEC 60335-1 clause 8.2 says							

8.2 Class II appliances and class II constructions shall be constructed and enclosed so that there is adequate protection against accidental contact with basic insulation and metal parts separated from live parts by basic insulation only.

It shall only be possible to touch parts which are separated from live parts by double insulation or reinforced insulation.

Compliance is checked by inspection and by applying test probe B of IEC 61032 in accordance with the conditions specified in 8.1.1.

Test probe B of IEC 61032 is applied to built-in appliances and fixed appliances only after

And EN 60335-1 clause 8.2 says

8.2 Modification

In the third sentence, replace "test probe B of EN 61032" by "test probes of EN 61032".

In the fourth sentence, replace "test probe B of EN 61032 is" by "test probe B and probe 18 of EN 61032 are".

Below enclosure openings allows to enter prob 17 (0,5 mm diameter wire) of EN 61032(test probes),

According to IEC 60335-1 this is ok, but according to EN 60335-1 this is not allowed isn't it.?



Decision	
Explanat ory notes	
ory notes	

ECS operational staff meeting household appliances decision sheet					OSM HA N°05/2020		
Sub cl.	Meeting	Agenda item	Document				
8.1.4, 22.27, 22.42	OSMHA2019	5.1.5	DEKRA/01/2019				
	T =			Date	T		
Standard	EN 60335-1 :20	EN 60335-1 :2012			2019/03/29		
Question	Protective impe	Protective impedance:					
	Clause 8.1.4:	Clause 8.1.4:					

	If protective impedance is used, the current between the part and the supply source shall not exceed 2 mA for d.c., its peak value shall not exceed 0,7 mA for a.c.
	Clause 22.27: Parts connected by protective impedance shall be separated by double insulation or reinforced insulation.
	Clause 22.42: Protective impedance shall consist of at least two separate components. If any one of the components is short-circuited or open-circuited, the values specified in 8.1.4 shall not be exceeded. Component impedances shall be unlikely to change significantly during the lifetime
	of the appliance. Compliance is checked by inspection and by measurement and if necessary, for resistors and capacitors by the following tests. Resistors are checked by the test of 14.1 a) in IEC 60065 and capacitors are checked by the tests for class Y capacitors in IEC 60384-14 appropriate to the rated voltage of the appliance
	What insulation requirements apply for the individual components out of which a protective impedance consists? E.g. would it be acceptable if one of the components in a protective impedance provides RI while the second component provides FI only?
Decision	The components shall comply with §22.27. Therefore each component need to be
	at least basic insulated in combination with reinforced or supplementary insulation for the second component.
	The protective impedance is for protection against electric shock purpose (in line §8.1.4) .So functional insulation can not be applied (since acc§3.3.5 functional insulation is only necessary for proper functioning of the appliance and not for protection against electric shock).
Explanatory	According 22.42 a protective impedance shall consist of 2 components.
notes	Clause 22.27 states that protective impedance shall provide double insulation (DI) or reinforced insulation (RI). This however means that the two components in series from which the protective impedance is made up, shall provide DI/RI. The insulation requirement for each individual component of the protective impedance is not clearly described in the standard.

ECS operational staff meeting household appliances decision sheet				OSM HA N° 06/2020		
Sub cl.	Meeting	Agenda item	Document			
10	OSM HA 2019	5.1.15	BE/04/2019			
Standard	EN 60335-1/20	12	Date 2019/			
Question	We have a discussion with a testing lab regarding the measurement of the power input for straightener.  These appliance have electronic regulations. When measuring the power input we can have different results based on the measurement methods. Especially based on the power input guide measurement-61_5396e_INF  The testing lab will proceed as following:					

	They performing the measuring and then create an excel with results. Then they check with a sorting tool all the same values of which they than check the total of number of measurement .If the total number of same values is more than 10% of the total measurement than this value is to be considered.So if we take the simple mean value we would have about 40 W , while with the above method it would be 80 W.The method does not consider the fact that you have peak , followed by 0 values (or low values). The problem is that this method is very theoretical , and time consuming. Furthermore for the following §11-19 test (1.15 x , 1,24 x Pn) , this will be very complicated.(since you will have to verify the same criteria).It is a complicated issue , for something which should be simple. Certainly considering we are working with calibrated test equipment.
Decision	According 61/5396e/INF the sampling rate for typical input current from a 50 Hz supply to get sufficient accuracy of the rms value of current should be sampled at interval of no more than 0,2 ms (5000 Hz).
Explanatory	

ECS operational staff meeting household appliances decision sheet					OSM HA N° 07/2020
Sub cl.	Meeting	Agenda item	Document		
22.5	OSMHA 2019	6.1.2	ES01_2019		
Standard	EN 60335-1 :20	12	Date 2020/10/14		
Question	test. In clause 19, for devices.	r the tests of 19.1		l to disconi	before the discharge nect surge protective re the tests
Decision	Surge protective devices shall be disconnected before performing the tests of 19.11.4.3 and 19.11.4.4 (unless they incorporate spark gaps),				
Explanatory notes					

ECS operation	nal staff meeting ho	ousehold appliand	ces decision she	et	OSM HA N° 08/2020
Sub cl.	Meeting	Agenda item	Document		
22.17	OSMHA 2020	5.1.6	IMQ-04-2020		
Standard		2012 +A11:2014+A13:2017 Date 2020-10-21 2:2019 +A14:2019			2020-10-21
Question	Spacers intended to prevent the appliance from overheating that it is not possible to remove them from the outside of the by means of a screwdriver or a spanner. Compliance is checking the manual test.  If, during the manual test, it's possible to remove the space the heating test of clause 11 with the spacers removed from measuring the walls' temperature rise in this condition. Do y applicable also for feet (see an example in the photo below temperature rise of the floor?			utside of the ance is che the spacer moved from dition.Do yo	re appliance by hand or ecked by inspection and es, then we carry out to the appliance and but think this is
Decision	No, Feet are no	t considered as	spacers, therefor	e the feets	are not to be removed.
Explanatory notes					

Sub cl.	ECS operational staff meeting household appliances decision sheet				
Cub oi.	Meeting	Agenda item	Document		
22.12	OSMHA 2021	5.1.8	FR/01/2021		
Standard		12 +A11:2014+A 2019 +A14:2019			
Question	§22.12 Handles, knobs, grips, levers and similar parts shall be fixed in a reliable manner so that they will not work loose in normal use if loosening could result in a hazard. []  Compliance is checked by inspection, by manual test and by trying to remove the part by applying an axial force of 15 N or 30N.'				
Decision	30 N since an axial pull (since it can be gripped) is likely to be applied in normal use based on the pictures shown. In order to define when an axial pull is likely to be applied, §22.11 can be considered (10mm in the direction of the removal).				
Explanatory notes	It is not clear in result in a hazar	·	hat a reliable ma	aaner is and	d when loosening could

ECS operational staff meeting household appliances decision sheet					OSM HA N° 02/2021
Sub cl.	Meeting	Agenda item	Document		
25.7,25.15	OSMHA 2021	5.1.1	CERTIF/01/202	21	
Standard		N 60335-1:2012 +A11:2014+A13:2017 Date 2021-10-07 A1:2019 +A2:2019 +A14:2019			2021-10-07
Question	liquid blenders) and 25.15), sha Q2: Appliances	Q1: If an appliance has water containers (e.g. coffee machines, vacuum cleaners, liquid blenders) the measurement of the weight of the appliance (for clauses 25.7 and 25.15), shall be done with the containers filled with their rated capacity?  Q2: Appliances with other types of loads (e.g. oil in deep fat fryers or flour + water in food processors) shall be weighted loaded?			
Decision	Q1) for §25.14 and 25.7 the mass of the appliance is determined with any container fille to their rated capacity. (the worst possible condition in normal use (§5.5)) and then tested accordingly Q2) see Q1				
Explanatory notes					

ECS operation	nal staff meeting ho	usehold appliand	ces decision shee	et	OSM HA N° 02/2021
Sub cl.	Meeting	Agenda item	Document		
29.1,29.2	OSMHA 2021	5.9.2	SIQ/01/2021		
Standard		60335-1:2012 +A11:2014+A13:2017 Date 2021-10-0			
Question	including differe § 29.1.1. : clear	nt altitudes? ances at the tern	ninals of tubular s	heathed he	the heating elements ating elements may
	be reduced to 1,0 mm if the microenvironment is pollution degree 1.  Can this be applied also for distances inside the tubular sheathed heating element between heating wire and the sheath of the heating element?  Photo of the construction				
	Usually, the distance between the wire and the sheath of heating element is min. 1,5 mm which is minimal distance for clearance and creepage for pollution degree 1 for altitude up to 2000 m.For altitude up to 4000 m the min. clearances need to be at least $1.5 \times 1.29 = 1.935$ mm.				
	Shall this distance be maintained inside the tubular sheathed heating element, between heating wire and the sheath or it is sufficient that reduced distance of 1,29 mm is assured. The value of 1,29 mm is increased value of 1,0 mm, for altitude up to 4000 m, for terminals of tubular sheathed heating elements				
Decision	İnside the tubular heating element (based on the photo), there are no cr/cl. distances only distance through insulation				
Explanatory notes					

ECS operational staff meeting household appliances decision sheet				OSM HA N° 01/2022	
Sub cl.	Meeting	Agenda item	Document		01/2022
7.13/7.10	OSMHA 2022	5.1.3	FR/04/2022		
Standard		12 +A11:2014+A 2019 +A14:2019		Date	2022-04-26
Question	numbers from The requireme "Instructions ar language of the Questions: Should those r which the appli	0 to 4, as shown nt of the clause and other text reque country in whice markings on the ance is to be sol	on the picture. 7.13 is as follows: uired by this stan h the appliance is	: dard shall s to be solo official lanç	guage of the country in
Decision	word is conside with §7.13 Rationale: If the ma of the appliance wh as stated under §7.1 instructions). Words are not always	red as text requiarking of a switch that ich it controls, it shales, Only the official lays considered as equinstructions in the official in t	red by the standa it may give rise to a ha I be comprehensible winguage or symbols s ual to letters or symbol	azard when on without a known hall be used only since syr	nply with §7.10, this quently shall comply operated, indicates the part wledge of foreign languages (which are explained in the mbols and letters will force be misinterpretated and not
Explanatory notes					