











De	efinition of TS1					IEEE
٢S	1 is a class1 thermal energy	y soi	urce with	n tempe	rature	levels
- n	ot exceeding TS1 limits und	der				
<u> </u>	normal operating condition	is; ar	nd			
-	<u>single fault</u> conditions of a serving as a safeguard; and		•			ulation <u>not</u>
- n	ot exceeding TS2 limits und	der				
<u> </u>	abnormal operating condition	ions;	or			
-	single fault conditions of a	bas	ic safeg	uard. (p	ropose	ed 2nd ed.)
	Table 42 – Touch tem	peratur	e limits			
	Accessible parts *	Metai	Glass, porcelain and vitreous material	Plastic and rubber ^b	Wood	1
	Handles, knobs, grips, etc., and external surfaces held	48	48	48	48	

Definition of TS2				VICI
TS2 is a class 2 thermal en	ergy source where	:		
- the temperature exceeds	the TS1 limits; and			
 under <u>normal</u> operating operating operating operating operations the second structure operation operat		•	-	
Where the malfunction of th	e equipment is evi	dent, i	no limits	apply.
TS2 may be accessible to a	n ordinary person	s if an	instructi	ional
safeguard is in place.				
sareguard is in place.	Maxii		erature (T _{max})	
sareguara is in place.	Gla Metal porc	num temp °C ss, elain treous a	erature (T _{max})	
TS2 External surfaces	Metal Gla Metal and vi mat	num temp °C ss, elain treous a	erature (T _{max}) Plastic	
- · ·	Metai Gla porc and vi mat 100 10	num temp °C ss, elain reous a rial	erature (<i>T</i> _{max}) Plastic nd rubber ^b	Wood 150



		e limits		
	Maximum temperature (<i>T</i> _{max}) °C			
Accessible parts *	Metal	Glass, porcelain and vitreous material	Plastic and rubber ^b	Wood
S1 Handles, knobs, grips, etc., and external surfaces held in normal use (>1 min) ^e	48	48	48	48



	Table 42 – Touch tem	nperatur	e limits		
		Maximum temperature (T _{max})			
	Accessible parts *	Metal	Glass, porcelain and vitreous material	°C Plastic and rubber ^b	Wood
S1	Handle, knobs, grips etc., and external surfaces touched occasionally for very short periods (>1 s and <10 s) ^c	60	71	77	107
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