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Rev	Review Document						
Basic	Basic Details						
1.	Sectional Committee No. & Title:	TED 11 - Automotive Electrical Equipment and Instruments					
2.	IS No:	IS 4063: 1982					
3.	Title:	Specification for fuse box for automobiles (First Revision)					
4.	Date of Previous Review:	January, 2021					

Review Ar	view Analysis						
5.1 Stat	5.1 Status of standard(s), if any from which assistance had been drawn in the formulation of this IS.						
S.No.	S.No. Standard (No.) Standard (Title) Whether the standard has since been revised Major changes Action proper						
IS/IEC Environmental Testing dissipating specimens, Tests A band Ad do not deviate essentially from earlier issues. Test Ae has been added primarily for festing equipment that requires being operational throughout the test, including the part 2 Tests Section 1. Ves. conditioning needle test is limited to the determination of the ability of components causing a ratioles to be used transported or stored at low temperature. Odd tests cover by					Latest revised standard to be incorporated in the standard.		
2	IS/IEC 60068-2-14: 2009	Environmental testing Part 2 Tests Section 14 Test N: Change of temperature	Yes	IS 5000 (Part 14/Sec 1 to 3): 1988 all all assistance environmental testing procedures for electronic and electrical items Part 14 test n: change of temperature all assistance and the second of the procedure of the procedure for electronic and electrical items Part 14 test n: change of temperature all assistance and the procedure for	Latest revised standard to be incorporated in the standard.		

	Referred Since revised IS						
S.No.	standards (No.)	Referred standards (Title)	no. of the corresponding IS	Changes in the referred Standards since last review of IS	Changes in the referred standard which are affecting the standard under review	Action proposed	
	IS: 9000 (Part III/Sec 3)-1977	Specification for basic environmental testing procedure for electronic and electrical tienes: Part III Dry heat trt, Section 3 Dry heat test for non heat dissipating item with gradual change of temperature.	No	nii	nil		
	IS: 9000 (part II/Sec 3)-1977	Specification for basic environmental testing procedure for electronic and electrical items: : Part IT Codi test, Section 3 Codi test for non heat dissipating items with gradual change of temperature	Yes, IS/IEC 60068-2-1 : 2007 Environmental Testing Part 2 Testing Part 2 Test A: Cold	IS/IEC 60068-2-1: 2007 was adopted by the Bureau of Indian Standards on recommendation of the Environmental Testing Procedures Sectional Committee and approval of the Electronics and Information Technology Division Consumil. 18 0000 (Part 2): 1977 and IS 9002 (Part 1): 1977 were based on IEC Publication 68-2-1: 1974. The superseding of these Standards has been undertaken to align it with the latest version of IEC 60068-2-1: 2007. This part of IEC 60068 deals with cold tests applicable to both non heat-dissipating and heatinssparing speciments. Test As has Add and on dot deute sensithly from earlier issues. Test As has been added primarily for testing equipment that requires being operational disruptions of the similar of the properties of the similar of the sim	IS/IEC 60068-2-1:2007 was adopted by the Bureau of Indian Standards on recommendation of the Environmental Testing Procedures Sectional Committee and approval of the Electronics and Information Testing Procedures Sectional Committee and approval of the Electronics and Information Testing Procedures Sectional Committee and approval of the Electronics and 1977, 19 5001 (part 2): 1977 and IS 9002 (part 1): 1977 were based on IEC Publication 68-21: 1978. The superseding of these Standards has been undertaken to adapt in with the lastes version of IEC 60068-21: 2077. This part of IEC 60088 deals with cold tests applicable to both non-hear designating and heads(spating speciments). The SA chast hear publicable speciments are supersedired to the second section of the Publication of IEC 6008-21: 1078. The supersedired proteins of the recognition of the ability of components, equipment or other articles to be used, transported or stored at low temperature. Cold tests over by this standard do not enable the ability of speciments to withstand or operate during the temperature variations to be assessed. In this case, it would be necessary to use IEC 60068-2-14. The cold tests are subdivided as follows: 2023 Cold tests for non-heat-dissipating speciments 302 with gradual change of temperature. At 2021 Cold test of noat-dissipating specimens 302 with gradual change of temperature, specimen powered throughout. A.E. The procedures given in this standard are normally intended for specimens that achieve temperature stability during the performance of the test procedure. Temperature chamber(s) are constructed and verified in accordance with specifications IEC 60068-3-5 and IEC 60068-3-5.		
	IS: 9000 (Part V/Sec 2)-1981	Specification for basic environmental testing procedure for electronic and electrical itemes: Part V Damp heat (cycle) test, Section 2 12 x 12 h cycle	no	ail	nil		
	IS: 9000 (Part XIV)-1978	Specification for basic environmental testing procedure for electronic and electrical items: Part XIV Change of temperature	Yes, IS/IEC 60068-2-14: 2009	IS 9000 (Part 14/Sec 1 to 3): 1988 MZEBasic environmental testing procedures for electronic and electrical terms Part 14 tests in change of temperature/MZE was published in 1978 and revised in 1988 and was technically equivalent to IEC path 68:2–24.1948, 1500 (IPart 3):1978 MZEGnidmene for environmental testing: Part 3 change of temperature/MZE was published in 1978 and was technically equivalent to IEC path 68:2–31:1971, IEC 60068–32.1971 has been withdrawn and replaced by IEC 60068-2-14-2009. The superseding of these Standards has been undertaken to align it with the tast version of IEC 60068-2-14-2009. The superseding of these Standards has been undertaken to align it with the tast version of IEC 60068-2-14-2009. The superseding of the properties of the standard of the superseding of the properties of the superseding of the superseding of the superseding of the superseding of temperature. The exposure times adequate to accomplish this will depend upon the nature of the specimen. A change of temperature test is intended to determine the effect on the specimen of a change of temperature of the superseding of the properties of temperature tests is intended to determine the effect on the specimen of a change of temperature of the superseding of the properties of temperature tests in the superseding of temperature tests in the detail of self-time of the superseding temperature between which the change is to be effected, Affilt the conditioning times for which the test specimen is kept at those temperatures. Affilt the conditioning times for which the test specimen is kept at those temperatures. Affilt the conditioning times for which the test specimen is kept at those temperatures. Affilt the condition of their transfer into irrion the specimen. Guidance on the choice of suitable test parameters or reclusion in the detail specification to given throughout the standard.	IS 9000 (Part 14/Sec 1 to 3): 1988 #ZEBasic environmental testing procedures for electronic and electrical tenns Part 14 test n: change of temperature/#ZE was published in 1978 and revised in 1988 and was technically equivalent to EUP tho 68-2-41-1948. 1500 (1/part 3):1978 #ZEBGiddinace for environmental testing: Part 3 change of temperature/#ZE was published in 1978 and was technically equivalent to EUP tho 68-2-31-1971. 1EC 00068-3-21-31 (7):11 base beau withdrawn and replaced by IEC 60068-2-14-2009. The superseding of these Standards has been undertaken to align it with the thest version of IEC 60068-2-14-2009. This part of EUC 60068 provides a test to determine the ability of components, equipment or other articles to withstand rapid changes of ambient temperature. The exposure times adequate to accomplish this will depend upon the nature of the specimen. A change of temperature test is intended to determine the effect on the specimen of a change of temperature or a succession of change of temperature. It is not intended to show effects which are due only to high or low temperatures. For these effects, the dy heat test or the cold test should be used. The effect of such six is determined by #ZED values of high and low conditioning temperature between which the change is to be effected, #ZED the conditioning times for which the test specimen is kept at those temperatures. ZED the new dot shange between these temperatures. ZED to anumber of cycles of conditioning, #ZED the new dot from for time to require the specimen. Confidence on the choice of suitable test parameters or neclasion in the detail specifications is given throughout the standard.	Latest revistandard to incorporate the standar	
	IS: 2106 (Part XI)-1965	Specification for environmental tests for electronics and electrical equipment: Part XI Water spray test	Yes, IS 9000 (Part 16) : 1983	The differences in environmental testing procedures for component type items and equipment type items are fast disappearing in the context of technological developments. It is, therefore, felt necessary to have uniform unstign procedures wherever possible. This series of standards on environmental testing procedures (15: 9000) has been prepared with this objective. This is also in line with the principle adopted by IEC/TC 50 "Irrinomental testing procedures by the International Electrorechnical Commission. It is proposed to withdraw the existing Indian Standards, namely, 15: \$89-906 and 18: 2100 series dealing with environmental tests for electronic components and equipment respectively, as soon as the tests mentioned therein are covered in the new series (15: 9000). While preparing this standard, assistance is derived from ISS 55555-197 Environmental test methods for electronic and electrical equipment. Directorate of Standardardardardardardardardardardardardard	The differences in environmental testing procedures for component type items and equipment type items are fast disappearing in the context of technological developments. It is, therefore, felt necessary to have uniform unsteing procedures wherever possible. This series of standards on environmental testing procedures (15: 9000) has been prepared with this objective. This is also in line with the principle adopted by IEC/TC 50 "Irrinomental testing procedures by the International Electrotechnical Commission. It is proposed to withdraw the existing Indian Standards, namely, 15: 589-916 and 18: 2106 series dealing with environmental testing procedures by the International Electrotechnical Commission. It is proposed to withdraw the existing Indian Standards, namely, 18: 589-916 and 18: 2106 series dealing with environmental tests for electronic components and equipment respectively, as soon as the tests mentioned therein are covered in the new series (18: 9000). While preparing this standard, assistance is derived from ISS 55555-197 Environmental test methods for electronic and electrical equipment. Directorate of Standardzaton, Ministry of Defence, Indian.	Latest revistandard to incorporate the standard	
	IS: 9000 (Part VII/Sec 3)-1979	Specification for basic environmental testing procedure for electronic and electrical itemss: Part VII Impact test, Section 3 Drop and topple	Yes	Drop and topple is extended to Rough handling shock tests. Rough handling shocks can be simulated by one or more of the following tests: a) Drop and topple b) Free fall #202 Procedure 1 c) Free fall #202 Procedure 2 (Fe Fall Procedure 1 c) are added; Drop and topple instends to sesses the effects of knocks or jobs likely to be received primarily by equipment-type specimens during repair work or rough handling on a table of brench. The drop and topple test includes three distinct procedures: i) dropping on to a face (5.1.3.1); ii) dropping on to an edge or a corner (5.1.3.2); iii) toppling (or pushower) (5.1.3.2). The topple test need not be applied to specimens which there dimensions which make them stable while being handled. When considering the applicability of the topple test, two dimensional ratios are important; 1) the natio of the beight of the centre of gravity from the bose, to the smaller dimension of the base, hereinafter referred to as the ± £202 ratio; 2) the ratio of the height of the specimens to the smaller dimension of the height of of the specimens to the unaller dimension of the base, hereinafter referred to as the height of the specimen to the smaller dimension of the base, the ratio of the height of the perimens to the smaller dimension of the scape terminel reversed to as the height ratio.	Drop and topple is extended to Rough handling shock tests. Rough handling shocks can be simulated by one or more of the following tests: a) Drop and topple b) Free fall afted Procedure [c) Free fall afted Procedure [c] are added; Drop and topple intends to seases the effects of knocks or jobs likely to be received primarily by equipment-type specimens during repair work or rough handling on a table of brench. The drop and topple test includes three distinct procedures: i) dropping on to a face (5.1.3.1); ii) dropping on to an edge or a corner (5.1.3.2); iii) topping (or pushover) (5.1.3.2). The topple test need not be applied to specimens which there dimensions which make them stable while being handled. When considering the applicability of the topple test, two dimensional ratios are important; 1) the ratio of the height of the centre of gamyly from the base, to the smaller dimension of the base, hereinafter referred to as the x 2012 grains; 1) the ratio of the height of the specimen to the smaller dimension of the scape through the referred to as the height ratio.	Latest test method to incorporate the standar	
	IS: 269-1976	specification for ordinary and low heat Portland cement	Yes,IS 269 : 2015	This standard was first published in 1951 and subsequently revised in 1958, 1967, 1976, 1989 and 2013. This fifth revision incorporates the experience gained with the use of this specification and brings the standard in line with the latest developments in this field. In this revision, the Indian Standard specifications pertaining to 43 and 53 grade ordinary Portland cement have been included which were previously covered separately in the Indian Standard Science (1951) all 2013 All 2014 and 1951 and 2014 All 2014 and 1951 and 2014 All 2		Latest revistandard to incorporate the standard	

5.3 Any	5.3 Any other standards available related to the subject & scope of the standard being reviewed (International/regional/other national/association/consortia, etc or of new or revision of existing Indian Standard).						
S.No.	Standard (No.)	Standard (Title)	Provisions that could be relevant while reviewing the IS	Action proposed			
1	IS/IEC 60068-2-1 2007 was adopted by the Bureau of Indian Standards on recommendation of the Environmental Testing Procedures Sectional Committee and approval of the Electronics and Information Technology Division Council. IS 9000 (Part 2): 1977 and IS 9002 (Part 1): 1977 were based on IEC Publication 68-2-1: 1974. The superseding of these Standards has been undertaken to align it with the Latest version of IEC 60068-2-1 and 15 C0007 (Earl 1): 1977 and IS 9002 (Part 1): 1977 were based on IEC Publication 68-2-1: 1974. The superseding of these Standards has been undertaken to align it with the Latest version of IEC 60068-2-1 (2007). This part of IEC 60068-2 (1007). This part of IEC 60068-2 (1007). This part of IEC 60068-2 (1007). This part of IEC 60068-2 (1008) and a standard in the Latest version of the ability of components, equipment of the adjust of components, equipment of the adjust version of the ability of components, equipment or other articles to be used, transported or stored at low temperature, Cold tests of the and added a from the adjust of the adjust of components, equipment of other articles to be used, transported or stored at low temperature, Cold tests of the adjust of components, equipment of other articles to be used, and a formation of the Environmental Testing Procedures and Information Technology of these Standards has been undertaken to align it with the Latest version and add add to deviate separation to the adjust of components and add add to deviate separation that the Latest revised standard and the adjust of the adjust of components, equipment of other articles to be used, the standard and the adjust of the adju						
2	2 Tests Section 14 Test N: 3 Tests Section 14 Test N: 4 Tests Section 14 Test N: 4 Tests Section 14 Test N: 5 Tests Section 14 Test N: 5 Tests Section 14 Test N: 6 Tests Section 14 Test N: 6 Tests Section 14 Test N: 6 Tests Section 14 Test N: 7 Tests Section 14 Test N: 8 Tests Section 14 Test N: 9 Tests Section 14 Test N: 10		Latest revised standard to be incorporated in the standard.				

5.4 Technical comments on the standard received, if any.						
S.No.	Source	Clause of IS	Comment	Action proposed		
No entry made in this table						

5.5 Info	5.5 Information available on relevant technical developments									
S.No.		Source		Development	Relevant clause of the IS under review that is likely to be impacted (Clause & IS No.) Action proposed					
	No entry made in this table									
5.6 Issu	5.6 Issues arising out of changes in any related IS or due to formulation of new Indian Standard.									
S.No.	Related IS (revi	ised or new)	Related IS Title	Provision in the IS under review t	that would be impacted & the clause no. or addition of new clause/provision		Changes that may be necessary in the Standards under review			Action proposed
						No entry made in this table				
5.7 Any	5.7 Any consequential changes to be considered in other IS.									
S.No.	S.No. Related I		Related IS	to get impacted		Related IS Title Requirements to be impacted		Requirements to be impacted		
	No entry made in this table									

Othe	r Details				
6.	Any other observation:		Based on observations from all the recently published standards: (1) Scope to be clearly defined (2) List of referred Indian standards i.e Reference clause to be added (3) Testing clause to be added which covers all test under IS 4063: 1982.(4)) IS under review(IS 4063: 1982) to be updated with the latest year and title of all referred IS.		
7.	Upload Supporting Document(s)				
7.1	ARP Report	67_10702_231204125129_ARP_Report.docx			
7.2	Draft Document	67_10702_231130062839_Draft_Document.docx			
8.	Recommendations - On the basis of the anal mentioned above consideration of sectional the following aspects of the IS under review	committee is solicited on	Many referred standards mentioned in the ISS are revised so (1) The standard may be revised with all the changes observed in standards referred. (2) Changes in some clauses like reference, testing clause etc (3) Revision of many referred standard.		