

CTL DECISION SHEET (DSH)

Standard(s) (incl. year)	Subclause(s)	Tracking No.	Year
IEC 62368-1:2014 IEC 62368-1:2017	5.4.1.4.3	DSH 2074	2017
Category			
ITAV			
Subject	Keywords	Developed by	To be approved
EIS for thermal classifications above Class 105 (A)	Acceptance of EIS.	ETF2	2020 CTL Plenary Meeting
Question			
<p>If a Electrical Insulation Systems needs temperature limit higher than Class 105 (Class A), IEC 62368-1:2014 and 2017 requires an insulation system (EIS) in accordance with IEC 60085.</p> <p>As there is a limited number of Electrical Insulation Systems that are documented in accordance with IEC 60085, could UL recognized Electrical Insulation Systems (in accordance with UL1446) be accepted until there is a sufficient database for systems that comply with IEC 60085?</p>			
Decision			
Electrical Insulation Systems recognized in accordance with UL 1446 are also accepted..			
Explanatory notes			
<p>There are no significant differences between IEC 60085 and UL 1446 that would imply any safety risk in end products according to IEC 62368-1.</p> <p>EIS categories OBJS2/OBJY2 (UL 1446) and ODCA2/OCTU2 (IEC 60085) are listed at the UL website.</p>			