

# **Ad Hoc on Air Temperatures surrounding cables**

**The ad hoc group met on Tuesday, with 26 persons in attendance.**

**We discussed clauses found in C37.20.1 and C37.20.2 that indicate the air temperature surrounding cables in a compartment shall not exceed 65° C.**



# Ad Hoc on Air Temperatures surrounding cables

Concern was expressed that the clauses in question do not indicate exactly where this temperature is to be measured.

Question was raised regarding the origin of the 65°C requirement.

If the outer enclosure surfaces, bus and all connection points don't exceed their respective limits, does the air temperature really matter?



# **ACTION ITEMS**

**A) Manufacturers to provide information on how they verify compliance with this requirement, which will be scrubbed of company information and submitted to the ad hoc for consideration. Data should include:**

**1) Do they conduct tests to verify air temperature?**

**2) Method of measuring air temperatures, including location(s) of thermocouples in the compartment.**



## **ACTION ITEMS**

**B) Connect with experts on wire and cable to understand the temperature ratings of cables, including expected limits of air temperatures surrounding the cables.**

**C) After collecting and distributing this information, schedule a web conference to further discuss this subject prior to the spring switchgear committee meetings.**