

Non-Ambient Subcommittee Meeting Minutes  
25 March 2015

Chair: Andrew Payzant  
Minutes Secretary: Bryan Wheaton

Mission statement reviewed.

2014 minutes approved. (John Faber/Cam Hubbard; 9-0-0)

Discussion:

Accuracy of temperature was particularly highlighted as worth capturing/reviewing in the database. A “star” pattern is presently based on the structural data quality, but not on temperature/pressure/etc. How best to distinguish “quenched” and/or “metastable” data from non-ambient in-situ data?

The Task Group previously proposed to meet at DXC2014, but did not meet. Much proposed work (best practices guidelines, publications, etc.) simply did not happen. Given this and past similar situations, Chair Andrew Payzant suggested that a quarterly teleconference might provide better impact than a task group meeting at DXC. After further discussion, it was agreed that the teleconference could be coordinated by ICDD, and each built around a specific topic area.

**Motion 1:**

The Non-Ambient Subcommittee recommends to the Technical Committee that the ICDD provide logistical support for quarterly teleconference meetings of the Non-Ambient Subcommittee members.

Motion made by: Bryan Wheaton

Motion 2<sup>nd</sup> by: Cam Hubbard

Yes: 9, No: 0, Abstain: 0

The motion was submitted to the Technical Committee for consideration.

Additional discussion as to how ICDD is capturing CTE information (or equation of state for pressure). Possibly, the non-ambient field would not only have a constant, but the ability to add a suitable parametric equation where this is known. This would greatly expand the versatility of the PDF beyond just search/match.

**Motion 2:**

The Non-Ambient Subcommittee recommends to the Technical Committee that the non-ambient parameter have not only a constant field but a parametric equation and range of application to enable future functionality of the database.

Motion made by: Cam Hubbard

Motion 2<sup>nd</sup> by: John Faber

Yes: 9, No: 0, Abstain: 0

The motion was submitted to the Technical Committee for consideration.

Motion to adjourn.