

## A. Introductions

Task Force Meeting was called to order May 20, 2008 @ 8:00AM. Introductions were made of all attendees. The IEEE Patent Policy slides were displayed and overviewed for all present. No declarations were made known. The IEEE patent policy may be reviewed at the following web site:

<http://standards.ieee.org/board/pat/pat-slideset.pdf>

## B. Attendance

Four Task Force members were present, with one excused absence. Seventeen guests were also present.

Attendees:

<i>Keith Flowers (CH)</i>	<i>Dean Sigmon (M)</i>	<i>Doug Edwards</i>
<i>Chad Kennedy</i>	<i>Nancy Gunderson</i>	<i>Don Colaberardino</i>
<i>Deepak Mazumdar (M)</i>	<i>Chuck Ross (M)</i>	<i>Matt Ceglia</i>
<i>Dave Kingle</i>	<i>John Toney</i>	<i>Frank Mayle</i>
<i>Jeff Mizener</i>	<i>Ted Olsen</i>	<i>David Dunne</i>
<i>Harry Josten</i>	<i>Jeff Hidaka</i>	<i>Paul Terry</i>
<i>Dave Gohil</i>	<i>Amit Patel</i>	<i>Larry Davis</i>

Excused Absence:

*George Nourse*

## C. New General Purpose DC Applications

A general discussion was held regarding application gaps in IEEE C37.14-2002. A general conclusion was drawn that there are many new general purpose dc applications that have arisen since the last revision of the document, that need to be encompassed in any future revision.

Some of these new applications for dc power circuit breakers are:

- ✓ Photovoltaic (solar)
- ✓ Crane control
- ✓ Nuclear power plants (primarily emergency back-up systems)
- ✓ Wind power
- ✓ Battery charging equipment (driven by increased capacity in batteries)

It was discussed that we need to pay particular attention to the X/R ratios for these new types of applications, in order to understand if the existing ratings need to be merely extended, or if there are truly unique requirements for these new applications. The belief of the group was that these ratios were significantly varied.

**ACTION:** *Keith Flowers will identify areas in C37.14 or other referenced documents that need to be strengthened, in order to adequately describe these particular new dc circuit breaker applications.*

#### D. IEC Harmonization

It was also discussed whether there would be opportunities to harmonize with any IEC dc circuit breaker standards. The group had little experience with related IEC standards.

**ACTION:** *Dean Sigmon, Jeff Hidaka, and Don Colaberardino agreed to research the related IEC dc circuit breaker standards, and create a report regarding the similarities and differences between C37.14 and any existing IEC documents. The group will report on their findings at the October Task Force meeting in Calgary.*

#### E. High-speed / Semi-high-speed Applications

The Vehicular Technology group has identified several areas where C37.14-2002 does not adequately describe transit applications utilizing high-speed and semi-high-speed circuit breaker applications.

Some of these areas requiring attention are:

- ✓ 8 MW vs. 9 MW systems
- ✓ Grounding
- ✓ Overload requirements

**ACTION:** *Chuck Ross agreed to pull together a more comprehensive list of opportunities for improvement for ratings, testing, and applications for high-speed and semi-high-speed dc circuit breakers.*

It was also reported that the Vehicular Technology Society would be holding a meeting June 19-20, 2008 in Portland, Oregon. Everyone was encouraged to attend this meeting, if possible. Keith Flowers (Task Force Chair) and Doug Edwards (LVSD Chair) agreed to attend this meeting.

#### F. Conclusion

The meeting was adjourned at 11:45AM, with a re-cap of the three above described action items.

#### G. Next Meeting

June 19, 2008: Portland, OR (joint meeting with the VT Society)  
October, 2008: Calgary, Alberta Canada (specific date TBD)

Minutes submitted by:

Keith Flowers  
C37.14 Task Force Chair  
May 20, 2008