IEEE P802.11  
Wireless LANs

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| 802.11 TGaf November 2012 San Antonio Meeting Minutes | | | | |
| Date: 2012-11-20 | | | | |
| Author(s): | | | | |
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Abstract

This document contains the meeting minutes from the 802.11 TGaf meetings, held at the November 2012 IEEE 802 Wireless Plenary session.

**Nov 12th , 2012 (Monday) AM 9:00-11:00**

**Notes – Monday, Nov 12th, 2012; with 40+ attendees, Ad hoc meeting**

1. **Richard Kennedy (RIM) is the chair of the group. Peter Ecclesine (Cisco Systems) is the vice-chair of the group. Zhou Lan (NICT) is the second vice-chair of the group. Chair called the meeting to order: 9:00 am.**
2. **The agenda of this meeting was reviewed and approved by unanimous consent.**
3. **Introduction**
   1. Chair welcomed participants.
   2. Chair reminded participants to record their attendance.
4. **Administrative items**
   1. Chair reviewed the administrative items and presented the links for accessing the related documents.
   2. Chair reviewed the patent policy and meeting guideline slides. Chair asked: “Are there any questions on the slides?” None.
   3. Chair asked: “Are there any patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for the use of that standard?” None.
   4. Chair reviewed other guide lines of the IEEE WG meetings.
   5. Chair reviewed IEEE-SA bylaws and operations manual.
   6. Chair reviewed task group chair functions and authority.
5. **Rich Kennedy as the TG chair reviewed of the TG progress since September.**
6. **Peter Ecclesine reviewed of the regulatory updates.** 
   1. Peter Ecclesine said the European rules don’t support multi-location, device needs to contact database once moved beyond 50 meters.
7. **Ad hoc meeting adjourned at 11:00AM.**

**Nov 12th , 2012 (Monday) PM 1:30-3:30**

**Notes – Monday, Nov 12th, 2012; with 40+ attendees, PM1 meeting**

1. **Richard Kennedy (RIM) is the chair of the group. Peter Ecclesine (Cisco Systems) is the vice-chair of the group. Zhou Lan (NICT) is the second vice-chair of the group. Chair called the meeting to order: 1:30 pm.**
2. **The agenda of this meeting was reviewed and approved by unanimous consent.**
3. **Introduction**
   1. Chair welcomed participants.
   2. Chair reminded participants to record their attendance.
4. **Administrative items**
   1. Chair reviewed the administrative items and presented the links for accessing the related documents.
   2. Chair reviewed the patent policy and meeting guideline slides. Chair asked: “Are there any questions on the slides?” None.
   3. Chair asked: “Are there any patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for the use of that standard?” None.
   4. Chair reviewed other guide lines of the IEEE WG meetings.
   5. Chair reviewed IEEE-SA bylaws and operations manual.
   6. Chair reviewed task group chair functions and authority.
5. **Motion to approve the TGaf minutes from the September Wireless Interim in Indian Wells, and October 2nd, 9th, 16th, 23rd, and 30th, and November 6th teleconferences in documents 11-12-1204r0, 11-12-1220r0, 11-12-1317r0 , 11-12/1319r0, 11-12/1251r0, 11-12/1294r0 and 11-12-1314r0 respectively.**
   1. **Moved by Zhou Lan (NICT), seconded by Tevfik Yucek (Qualcomm)**
   2. **Discussions: None**
   3. **Passes with unanimous consent.**
6. **Brief regulatory updates.** 
   1. **EC R & TTE directive**
   2. **ETSI BRAN TVWS EN 301 598**
   3. **Effect of FCC NPRM 12-118**
   4. **Japan**
   5. **Korea**
   6. **Others**
7. **Motion to approve the comment resolution spreadsheet in 11-12/1017r18 as the working document.**
   1. **Moved by Peter Ecclesine (Cisco Systems), Seconded by Joe Kwak (InterDigital)**
   2. **Discussion on the motion: None**
   3. **Pass with unanimous consent.**
8. **Motion to approve speculative draft P802.11af D2.1 as the working draft.**
   1. **Moved by Stuart Kerry (OK-Brit), Seconded by Peter Ecclesine (Cisco Systems)**
   2. **Discussion on the motion: None**
   3. **Pass with 25 YES, 1 NO and 0 ABSAIN.**
9. **Tevfik Yucek (Qualcomm) presented document 802.11-12/1242r0 for SIFS related comment resolution.**

1. **DongGuk Lim (LGE) presented document 802.11-12/1241r3 for TVHT and VHT related comment resolution.**

**Recess at 3:30 PM**

**Nov 12th , 2012 (Monday) PM 4:00-6:00**

**Notes – Monday, Nov 12th, 2012; with 40+ attendees, PM2 meeting**

1. **Richard Kennedy (RIM) is the chair of the group. Peter Ecclesine (Cisco Systems) is the vice-chair of the group. Zhou Lan (NICT) is the second vice-chair of the group. Chair called the meeting to order: 9:00 am.**
2. **The agenda of this meeting was reviewed and approved by unanimous consent.**
3. **Introduction**
   1. Chair welcomed participants.
   2. Chair reminded participants to record their attendance.
4. **Administrative items**
   1. Chair reviewed the administrative items and presented the links for accessing the related documents.
   2. Chair reviewed the patent policy and meeting guideline slides. Chair asked: “Are there any questions on the slides?” None.
   3. Chair asked: “Are there any patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for the use of that standard?” None.
   4. Chair reviewed other guide lines of the IEEE WG meetings.
   5. Chair reviewed IEEE-SA bylaws and operations manual.
   6. Chair reviewed task group chair functions and authority.
5. **Peter Ecclesine (Cisco systems) presented document 802.11-12/1239r1 for GEN comments.**

1. **Sudhir Srinivasa (Marvell) presented document 802.11-12/1107r2 for Stream segment parser related comment resolution.**
2. **Motion to approve the comment resolutions (deemed ready for motion during teleconferences) in documents 11-12/1242r0, 11-12/1241r3 with changes as shown on the screen (to become r4), 11-12/1239r1and 11-12/1107r2 .**
   1. **Moved by Jens Tingleff (Samsung Electronics), Seconded by Ron Porat (Broadcom).**
   2. **Discussions: None**
   3. **Passes with 15 YES, 0 NO and 2 ABSTAIN**
3. **Sudhir Srinivasa (Marvell) presented document 802.11-12/1108r1 for MCS table related comment resolutions.** 
   1. **Motion to approve the comment resolutions in document 802.11-12/1108r1 with changes as made on the screen (to become r2).**
   2. **Moved by Sudhir Srinivasa (Marvell), Seconded by Harry Worstell (AT&T)**
   3. **Discussions : none**
   4. **14 YES, 0 NO and 3 ABSTAIN.**
4. **Peter Ecclesine presented document 802.11-12/1334r1 for regulatory comments.** 
   1. **Motion to approve the comment resolutions in document 802.11-12/1334r1.**
      1. **Moved by Peter Ecclesine (Cisco Systems), Seconded by Mike Montemurro (RIM)**
      2. **Discussions: None**
      3. **Passes with 16 YES, 0 NO and 1 ABSTAIN.**
5. **Peter Ecclesine presented document 802.11-12/1339r0 for TLV related comment resolutions.** 
   1. **Motion to approve the comment resolutions in document 11-12/1339r0 with the exclusion of the resolutions for CIDs 127 and 904 and their editing instructions.**
   2. **Moved Peter Ecclesine (Cisco Systems), Seconded by Zhou Lan (NICT)**
   3. **Discussion: None**
   4. **Passes with 14 YES, 0 NO 1 ABSTAIN**

**Recess at 6:00PM.**

**Nov 13th , 2012 (Tuesday) AM 8:00-12:30 with coffee break**

**Notes – Tuesday, Nov 13th, 2011; with 40+ attendees, AM1 and AM2 meeting**

1. **Richard Kennedy (RIM) is the chair of the group. Peter Ecclesine (Cisco Systems) is the vice-chair of the group. Zhou Lan (NICT) is the second vice-chair of the group. Chair called the meeting to order: 8:00 am.**
2. **The agenda of this meeting was reviewed and approved by unanimous consent.**
3. **Introduction**
   1. Chair welcomed participants.
   2. Chair reminded participants to record their attendance.
4. **Administrative items**
   1. Chair reviewed the administrative items and presented the links for accessing the related documents.
   2. Chair reviewed the patent policy and meeting guideline slides. Chair asked: “Are there any questions on the slides?” None.
   3. Chair asked: “Are there any patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for the use of that standard?” None.
   4. Chair reviewed other guide lines of the IEEE WG meetings.
   5. Chair reviewed IEEE-SA bylaws and operations manual.
   6. Chair reviewed task group chair functions and authority.
5. **Tevfik Yucek (Qualcomm) presented 802.11-12/1351r0 for MIMO related comment resolutions.** 
   1. **Motion to approve the comment resolution in document 11-12/1351r0 with changes as shown on the screen (to become r1).**
   2. **Moved by Tevfik Yucek (Qualcomm), Seconded by Zhou Lan (NICT)**
   3. **Discussions: None**
   4. **Passes with 10 YES, 0 NO and 2 ABSTAIN.**
6. **Zhou Lan presented 802.11-12/1346r1 for CSM related comment resolution.** 
   1. **Motion to approve the comment resolutions in document 802.11-12/1346r1 with changes as shown on the screen (to become r2) with the exclusion of CIDs 722 and 724.**
      1. **Moved by Zhou Lan (NICT), Seconded by Harry Worstell (AT&T)**
      2. **Discussions: None**
      3. **Passes with 13 YES, 0 NO and 0 ABSTAIN.**
7. **Zhou Lan presented 802.11-12/1347r0 for NCC related comment resolution.** 
   1. **Motion to approve the comment resolutions in document 802.11-12/1347r0 with changes as shown on the screen (to become r1) with the exclusion of CIDs 723 and 725.**
      1. **Moved by Al Petrick (Jones-Petrick and Associates), Seconded by Zhou Lan (NICT)**
      2. **Discussions: None**
      3. **Passes with 15 YES, 0 NO and 0 ABSTAIN.**
8. **Zhou Lan presented 802.11-12/1348r0 for CAQ multilocation related comment resolution.** 
   * 1. **Motion to approve the comment resolutions in document 11-12/1348r0 with changes as shown on the screen (to become r1) with the exclusion of CID 721.**
     2. **Moved by Harry Worstell (AT&T), Seconded by Al Petrick (Jones-Petrick and Associates)**
     3. **Discussions: None**
     4. **Passes with 14 YES, 0 NO and 0 ABSTAIN.**
9. **Chittabrata Ghosh (Nokia) resented document 802.11-12/1364r1 for CAQ related comment resolutions.** 
   1. **Motion to approve the comment resolution in 11-12/1364r1 with changes as shown on the screen (to become r2)**
   2. **Moved by Chittabrata Ghosh (Nokia), Seconded by Zhou Lan (NICT)**
   3. **Discussions: None**
   4. **Passes with 16 YES, 0 NO, and 2 ABSTAIN**
10. **Ron Porat (Broadcom) presented document 802.11-12/1337r2.** 
    1. **Motion to approve the comment resolutions in document 11-12/1337r2.**
       1. **Moved by Ron Porat (Broadcom), Seconded by Tevfik Yucek (Qualcomm)**
       2. **Discussions: None**
       3. **Passes with 21 YES, 1 NO and 2 ABSTAIN.**
11. **Keiichi Mizutani (NICT) presented document 802.11-12/1273r2.** 
    1. **Straw poll: Does the group believe that we should add to the TGaf draft support for subcarrier operation to support operation with ISDB-T area one-segment?**
    2. **Results: 7 YES, 4 NO, 10 ABSTAIN**
12. **Jens Tingleff (Samsung electronics) presented 802.11-12/1215r1.** 
    1. **Motion to approve the comment resolution in document 11-12/1215r1 with editorial change shown on the screen (to become r2).**
    2. **Moved by Jens Tingleff (Samsung electronics), Seconded by Zhou Lan (NICT)**
    3. **Discussions: None**
    4. **Passes with 11 YES, 0 NO, and 1 ABSTAIN**

**Recess at 12:30 AM.**

**Nov 14th , 2012 (Wednesday) AM 8:00-10:00**

**Notes – Wednesday, Nov 14th, 2011; with 40+ attendees, AM1 meeting**

1. **Richard Kennedy (RIM) is the chair of the group. Peter Ecclesine (Cisco Systems) is the vice-chair of the group. Zhou Lan (NICT) is the second vice-chair of the group. Chair called the meeting to order: 8:00 am.**
2. **The agenda of this meeting was reviewed and approved by unanimous consent.**
3. **Introduction**
   1. Chair welcomed participants.
   2. Chair reminded participants to record their attendance.
4. **Administrative items**
   1. Chair reviewed the administrative items and presented the links for accessing the related documents.
   2. Chair reviewed the patent policy and meeting guideline slides. Chair asked: “Are there any questions on the slides?” None.
   3. Chair asked: “Are there any patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for the use of that standard?” None.
   4. Chair reviewed other guide lines of the IEEE WG meetings.
   5. Chair reviewed IEEE-SA bylaws and operations manual.
   6. Chair reviewed task group chair functions and authority.
5. **Peter Ecclesine as the TG editor reviewed the status of the comment resolution.**
6. **Yongho Seok (LGE) presented document 802.11-12/1340r1.** 
   1. **Motion to approve the comment resolutions in document 11-12/1340r1 with editorial changes as shown on the screen (to become r2).**
   2. **Moved by Yongho Seok (LGE), Seconded by Peter Ecclesine (Cisco Systems)**
   3. **Discussions: None**
   4. **Passes with 20 YES, 0 NO and 1 ABSTAIN.**
7. **Yongho Seok (LGE) presented document 802.11-12/1341r1.** 
   1. **Motion to approve the comment resolutions in document 11-12/1341r0 with changes as shown on the screen (to become r1), excluding CIDs 280, 343, 416, 418 and 421 and their editing instructions.**
      1. **Moved by Yongho Seok (LGE), Seconded by Jens Tingleff (Samsung Electronics)**
      2. **Discussions: None**
      3. **Passes with 17 YES, 0 NO and 10 ABSTAIN.**
8. **Peter Ecclesine (Cisco systems) presented document 802.11-12/1234r0 for multi-band operation.** 
   1. **Moved by Peter Ecclesine (Cisco Systems), Seconded by Zhou Lan (NICT)**
   2. **Discussions : None**
   3. **Passes with 21 YES, 0 NO and 2 ABSTAIN.**
9. **Zhou Lan (NICT) presented document 802.11-12/1124r3 for multi-band operation.** 
   1. **Moved by Zhou Lan (NICT), Seconded by Jens Tingleff (Samsung Electronics).**
   2. **Discussions: None**
   3. **Passes with 18 YES, 0 NO and 1 ABSTAIN.**
10. **James Wang (MediaTek) presented document 802.11-12/1362r0.**

**Recess at 10:00 AM.**

**Nov 14th , 2012 (Wednesday) PM 1:30-6:00**

**Notes – Wednesday, Nov 14th, 2011; with 40+ attendees, PM1&PM2 meeting**

1. **Richard Kennedy (RIM) is the chair of the group. Peter Ecclesine (Cisco Systems) is the vice-chair of the group. Zhou Lan (NICT) is the second vice-chair of the group. Chair called the meeting to order: 1:30 pm.**
2. **The agenda of this meeting was reviewed and approved by unanimous consent.**
3. **Introduction**
   1. Chair welcomed participants.
   2. Chair reminded participants to record their attendance.
4. **Administrative items**
   1. Chair reviewed the administrative items and presented the links for accessing the related documents.
   2. Chair reviewed the patent policy and meeting guideline slides. Chair asked: “Are there any questions on the slides?” None.
   3. Chair asked: “Are there any patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for the use of that standard?” None.
   4. Chair reviewed other guide lines of the IEEE WG meetings.
   5. Chair reviewed IEEE-SA bylaws and operations manual.
   6. Chair reviewed task group chair functions and authority.
5. **James Wang (MediaTek) continued to present document 802.11-12/1362r0.** 
   1. **Motion to approve the comment resolutions in document 11-12/1362r0 with changes shown on the screen (to become r1), excluding CID 992 and its editing instructions.**
      1. **Moved by James Wang (MediaTek), Seconded by Joe Kwak (InterDigital)**
      2. **Discussions: None**
      3. **Passes with 13 YES, 0 NO and 1 ABSTAIN.**
6. **Joe Kwak (InterDigital) presented document 802.11-12/1390r0.** 
   1. **Motion to approve the comment resolutions in document 11-12/1390r0 with changes as shown on the screen (to become r1).**
      1. **Moved by Joe Kwak (InterDigital), Seconded by Timo Koskela (Renesas)**
      2. **Discussions: None**
      3. **Passes with 16 YES, 0 NO and 0 ABSTAIN.**
7. **Peter Ecclesine (Cisco systems) present document 802.11-12/1339r1.** 
   1. **Motion to approve comment resolution in 802.11-12/1339r1 with the change on the screen (to become r2).** 
      1. **Moved by Peter Ecclesine (Cisco Systems), Seconded by Zhou Lan (NICT)**
      2. **Discussions: None**
      3. **Passes with 14 YES, 0 NO and 0 ABSTAIN.**
8. **Vish Ponnampalam (MediaTek) presented document 802.11-12/1280r0.** 
   1. **Motion to approve comment resolution in 1280r0 with the change on the screen (to become r1).** 
      1. **Moved by Vish Ponnampalam (MediaTek), Seconded by Stuart Kerry (OK-Brit)**
      2. **Discussions: None**
      3. **Passes with 14 YES, 0 NO and 1 ABSTAIN.**
9. **Jens Tingleff (Samsung electronics) presented document 802.11-12/1397r0.** 
   1. **Motion to approve comment resolution in 1397r0.** 
      1. **Moved by Jens Tingleff (Samsung Electronics), Seconded by George Vlantis (STM)**
      2. **Discussions: None**
      3. **Passes with 15 YES, 0 NO and 0 ABSTAIN.**
10. **Tevfik Yucek (Qualcomm) presented document 802.11-12/1373r0.** 
    1. **Motion to approve comment resolution in 1373r0 with the change on the screen (to become r1).** 
       1. **Moved by Tevfik Yucek (Qualcomm), Seconded by Stuart Kerry (OK-Brit)**
       2. **Discussions: None**
       3. **Passes with 6 YES, 0 NO and 0 ABSTAIN.**
11. **Tevfik Yucek (Qualcomm) presented document 802.11-12/1374r1.** 
    1. **Motion to approve comment resolution in 1374r1.** 
       1. **Moved by Tevfik Yucek (Qualcomm), Seconded by Jens Tingleff (Samsung Electronics).**
       2. **Discussions: None**
       3. **Passes with 6 YES, 0 NO and 0 ABSTAIN.**
12. **Peter Ecclesine reviewed the status of the comment resolution.**

**Recessed at 6:00PM.**

**Nov 15th , 2012 (Thursday) AM 8:00-10:00**

**Notes – Thursday, Nov 15th, 2011; with 40+ attendees, AM1 meeting**

1. **Richard Kennedy (RIM) is the chair of the group. Peter Ecclesine (Cisco Systems) is the vice-chair of the group. Zhou Lan (NICT) is the second vice-chair of the group. Chair called the meeting to order: 8:00 am.**
2. **The agenda of this meeting was reviewed and approved by unanimous consent.**
3. **Introduction**
   1. Chair welcomed participants.
   2. Chair reminded participants to record their attendance.
4. **Administrative items**
   1. Chair reviewed the administrative items and presented the links for accessing the related documents.
   2. Chair reviewed the patent policy and meeting guideline slides. Chair asked: “Are there any questions on the slides?” None.
   3. Chair asked: “Are there any patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for the use of that standard?” None.
   4. Chair reviewed other guide lines of the IEEE WG meetings.
   5. Chair reviewed IEEE-SA bylaws and operations manual.
   6. Chair reviewed task group chair functions and authority.
5. **Peter Ecclesine reviewed the comment spreadsheet 1017r23.** 
   1. **Motion to approve all the comment resolutions in Editorial tab3 of 11-12/1017r22.** 
      1. **Moved by Peter Ecclesine (Cisco system), Seconded by Stuart Kerry (OK-Brit)**
      2. **Discussions: None**
      3. **Passes with 11 YES, 0 NO and 1 ABSTAIN.**
6. **Peter Ecclesine presented document 1381r0 for NII and CPM comment resolution.** 
   1. **Motion to approve the comment resolution in document 802.11-12/1381r0.** 
      1. **Moved by Peter Ecclesine (Cisco Systems), Seconded by Zhou Lan (NICT)**
      2. **Discussions: None**
      3. **Passes with 13 YES, 0 NO and 1 ABSTAIN.**
7. **Zhou Lan presented document 802.11-12/1375r0.** 
   1. **Motion to approve the comment resolutions in document 11-12/1375r0.**
      1. **Moved by Zhou Lan (NICT), Seconded by Chittabrata Ghosh (Nokia)**
      2. **Discussions: None**
      3. **Passes with 15 YES, 0 NO, 1 ABSTAIN**
8. **DongGuk Lim (LGE) presented document 802.11-12/1241r6.** 
   1. **Motion to approve the comment resolution in document with changes on the screen to become r7.**
   2. **Moved by Yongho Seok (LGE), Seconded by Tevfik Yucek (Qualcomm)**
   3. **Discussions: None**
   4. **Passes with 16 YES, 0 NO, 1 ABSTAIN**
9. **Ron Porat (Broadcom) presented document 802.11-12/1337r3.**
10. **Zhou Lan (NICT) presented document 802.11-12/1347r2.**
11. **Chittabrata Ghosh (Nokia) presented document 802.11-12/1364r3 with changes on the screen to become r4.**
12. **Yongho Seok (LGE) presented document 802.11-12/1341r2.**
13. **Yongho Seok (LGE) presented document 802.11-12/1342r0 excluding comment CIDs 443 and 444.**

**Nov 15th , 2012 (Thursday) AM 10:30-12:30**

**Notes – Wednesday, Nov 15th, 2011; with 40+ attendees, AM2 meeting**

1. **Richard Kennedy (RIM) is the chair of the group. Peter Ecclesine (Cisco Systems) is the vice-chair of the group. Zhou Lan (NICT) is the second vice-chair of the group. Chair called the meeting to order: 10:30 am.**
2. **The agenda of this meeting was reviewed and approved by unanimous consent.**
3. **Introduction**
   1. Chair welcomed participants.
   2. Chair reminded participants to record their attendance.
4. **Administrative items**
   1. Chair reviewed the administrative items and presented the links for accessing the related documents.
   2. Chair reviewed the patent policy and meeting guideline slides. Chair asked: “Are there any questions on the slides?” None.
   3. Chair asked: “Are there any patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for the use of that standard?” None.
   4. Chair reviewed other guide lines of the IEEE WG meetings.
   5. Chair reviewed IEEE-SA bylaws and operations manual.
   6. Chair reviewed task group chair functions and authority.
5. **Chair pointed the second Vice chair Zhou Lan (NICT) as the acting Chair of this meeting.**
6. **Jens Tingleff (Samsung electronics) presented document 802.11-12/1397r1**
7. **Jens Tingleff (Samsung electronics) presented document 802.11-12/1400r0.**
8. **The meeting recessed for a short break because the presenters are not in the room.**
9. **Zhou Lan (NICT) returned the chair role to Rich Kennedy (RIM)**
10. **Motion to approve the comment resolutions in documents 11-12/1337r3, 11-12/1347r2, 11-12/1341r2, 11-12/1342r0 with changes shown on the screen (to become r1) and 11-12/1364r3 with change as shown on the screen (to became r4).**
    1. **Moved by Mike Montemurro (RIM), Seconded by Jens Tingleff (Samsung Electronics)**
    2. **Discussions: None**
    3. **Passes with 9 YES, 0 No and 1 ABSTAIN.**

**Recessed at 12:00 AM.**

**Nov 15th , 2012 (Thursday) PM 1:30-3:30**

**Notes – Wednesday, Nov 15th, 2011; with 30+ attendees, PM1 meeting**

1. **Richard Kennedy (RIM) is the chair of the group. Peter Ecclesine (Cisco Systems) is the vice-chair of the group. Zhou Lan (NICT) is the second vice-chair of the group. Chair called the meeting to order: 1:30 pm.**
2. **The agenda of this meeting was reviewed and approved by unanimous consent.**
3. **Introduction**
   1. Chair welcomed participants.
   2. Chair reminded participants to record their attendance.
4. **Administrative items**
   1. Chair reviewed the administrative items and presented the links for accessing the related documents.
   2. Chair reviewed the patent policy and meeting guideline slides. Chair asked: “Are there any questions on the slides?” None.
   3. Chair asked: “Are there any patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for the use of that standard?” None.
   4. Chair reviewed other guide lines of the IEEE WG meetings.
   5. Chair reviewed IEEE-SA bylaws and operations manual.
   6. Chair reviewed task group chair functions and authority.
5. **Peter Ecclesine presented document 802.11-12/1354r1.** 
   1. **Motion to approve the comment resolution in 1354r1.** 
      1. **Moved by Peter Ecclesine (Cisco Systems), Seconded Yongho Seok (LGE)**
      2. **Discussions: None**
      3. **Passes with 17 YES, 0 NO and 0 ABSTAIN.**
6. **Yongho Seok (LGE) presented document 802.11-12/1403r0.** 
   1. **Motion to approve the comment resolution in 1403r0.**
   2. **Moved by Yongho Seok (LGE), Seconded by Tevfik Yucek (Qualcomm)**
   3. **Discussions: None**
   4. **Passes with 13 YES, 0 NO and 1 ABSTAIN**
7. **Jens Tingleff (Samsung electronics) presented document 802.11-12/1397r1.** 
   1. **Motion to approve the comment resolution in 802.11-12/1397r1.**
   2. **Moved by Jens Tingleff (Samsung electronics), seconded by Peter Ecclesine (Cisco Systems)**
   3. **Discussions: None**
   4. **Passes with 17 YES, 0 NO and 0 ABSTAIN.**
8. **Motion to approve the coexistence assurance document 802.11-11/0177r1**
   1. **Moved by Al Petrick (Jones-Petrick and Associates), Seconded by Joe Kwak (InterDigital)**
   2. **Passes with 15 YES, 0 NO and 0 ABSTAIN**
9. **Having approved comment resolutions for all of the comments received from LB189 on TGaf D2.0 as contained in document 11-12/1017r23, Instruct the editor to prepare Draft 3.0 incorporating these resolutions and, Approve a 30 day Working Group Recirculation Ballot starting on or after December 7, 2012, asking the question “Should P802.11af D3.0 be forwarded to Sponsor Ballot?”**
   1. **Moved by Rich Kennedy on behalf of TGaf**
   2. **TGaf vote:** 
      1. **Moved by Al Petrick (Jones-Petrick and Associates), Seconded by Jens Tingleff (Samsung Electronics)**
      2. **Passes with 14 YES, 0 NO and 0 ABSTAIN.**
10. **Motion to approved the comment resolution in 802.11-12/1400r1 with changes on the screen to become r2.** 
    1. **Moved by Jens Tingleff (Samsung Electronics), Seconded by Joe Kwak (InterDigital)**
    2. **Passes with 13 YES, 0 NO and 0 ABSTAIN.**
11. **Plan for January (Vancouver) and teleconference.**
12. **Meeting adjourned at 3:30 pm Local time by the chair.**
13. **References:**
    1. <https://mentor.ieee.org/802.11/dcn/12/11-12-1306-03-00af-san-antonio-meeting-plan-and-agenda.ppt>
    2. <https://mentor.ieee.org/802.11/dcn/12/11-12-1400-02-00af-tvht-mode-2n-tx-spectral-mask-comment-resolution.doc>
    3. <https://mentor.ieee.org/802.11/dcn/11/11-11-0177-01-00af-coexistence-assurance.doc>
    4. <https://mentor.ieee.org/802.11/dcn/12/11-12-1342-01-00af-lb189-gdc-cids.docx>
    5. <https://mentor.ieee.org/802.11/dcn/12/11-12-1241-07-00af-proposed-resolutions-for-tvht-vs-vht-issue.doc>
    6. <https://mentor.ieee.org/802.11/dcn/12/11-12-1364-04-00af-caq-comment-resolution.doc>
    7. <https://mentor.ieee.org/802.11/dcn/12/11-12-1403-00-00af-lb189-cid153.docx>
    8. <https://mentor.ieee.org/802.11/dcn/12/11-12-1341-02-00af-lb189-wsm-cids.docx>
    9. <https://mentor.ieee.org/802.11/dcn/12/11-12-1354-01-00af-lb189-gen-and-rlqp-cids.doc>
    10. <https://mentor.ieee.org/802.11/dcn/12/11-12-1364-03-00af-caq-comment-resolution.doc>
    11. <https://mentor.ieee.org/802.11/dcn/12/11-12-1347-02-00af-ncc-comment-resolution.doc>
    12. <https://mentor.ieee.org/802.11/dcn/12/11-12-1337-03-00af-proposed-comment-resolutions.docx>
    13. <https://mentor.ieee.org/802.11/dcn/12/11-12-1397-01-00af-tvht-ppdu-format-drawing.doc>
    14. <https://mentor.ieee.org/802.11/dcn/12/11-12-1373-01-00af-tgaf-default-txop-limit.docx>
    15. <https://mentor.ieee.org/802.11/dcn/12/11-12-1390-01-00af-lb189-cids-for-figure-7-1.docx>
    16. <https://mentor.ieee.org/802.11/dcn/12/11-12-1362-01-00af-proposed-resolutions-for-misc-cids.docx>
    17. <https://mentor.ieee.org/802.11/dcn/12/11-12-1339-01-00af-lb189-tlv-cids.doc>
    18. <https://mentor.ieee.org/802.11/dcn/12/11-12-1341-01-00af-lb189-wsm-cids.docx>
    19. <https://mentor.ieee.org/802.11/dcn/12/11-12-1374-01-00af-tgaf-comment-resolutions.docx>
    20. <https://mentor.ieee.org/802.11/dcn/12/11-12-1397-00-00af-tvht-ppdu-format-drawing.doc>
    21. <https://mentor.ieee.org/802.11/dcn/12/11-12-1340-02-00af-lb189-cvs-cids.docx>
    22. <https://mentor.ieee.org/802.11/dcn/12/11-12-1124-03-00af-multi-band-comment-resolution-lb189.doc>
    23. <https://mentor.ieee.org/802.11/dcn/12/11-12-1348-01-00af-caq-multi-location-comment-resolution.doc>
    24. <https://mentor.ieee.org/802.11/dcn/12/11-12-1347-01-00af-ncc-comment-resolution.doc>
    25. <https://mentor.ieee.org/802.11/dcn/12/11-12-1346-02-00af-csm-comment-resolution.doc>