

# TGax September 2015 Meeting Agenda

Date: 2015-08-04

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# **IEEE 802.11 TGax: High Efficiency WLAN Task Group**

## **Bangkok, Thailand September 13-19, 2015**

**Chair: Osama Aboul-Magd (Huawei Technologies)**

**Vice Chair: Simone Merlin (Qualcomm)**

**Vice Chair: Ron Porat (Broadcom)**

**Secretary: Yasuhiko Inoue (NTT)**

**Technical Editor: Robert Stacey (Intel)**

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# Meeting Protocol

- **Please announce your affiliation when you first address the group during a meeting slot**

# Attendance

- <http://newton.meeting.verilan.com>

**1. Register**

**2. Indicate attendance**

**See document 11-15-0xxxr0 for more details**

# Attendance, Voting & Document Status

- **Make sure your badges are correct**
- **If you plan to make a submission be sure it does not contain company logos or advertising**
- **Questions on Voting status, Ballot pool, Access to Reflector, Documentation, member's area**
  - see Jon Rosdahl – [jrosdahl@ieee.org](mailto:jrosdahl@ieee.org)
- **Cell Phones Silent or Off**

# PHY Motion #61

- **Move to add the following text (this page and next page) into SFD:**

- HE-SIG-A field contains a “*a-factor*” field of 2 bits, and a “PE-Disambiguity” field of 1 bit, with setting methods as blow:
- In L-SIG, the L-LENGTH field is set by:

$$L\_LENGTH = \left\lceil \frac{TXTIME - 20}{4} \right\rceil \times 3 - 3 + m, \quad m = 1 \text{ or } 2$$

$$\text{where } TXTIME = T_{L\_PREAMBLE} + T_{HE\_PREAMBLE} + T_{HE\_DATA} + T_{PE}$$

$$T_{HE\_DATA} = T_{HE\_SYM} \times N_{SYM} = (12.8 + T_{GI}) \times N_{SYM}$$

$T_{PE}$  is the PE duration

- In HE-SIG-A:
- ***a-factor* field:**

a-factor value	a-factor field encoding
1	01
2	10
3	11
4	00

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# PHY Motion # 61 (Cntd)

– **PE Dis-ambiguity Field:**

- If  $T_{PE} + 4 \times \left( \left\lfloor \frac{TXTIME - 20}{4} \right\rfloor - \left( \frac{TXTIME - 20}{4} \right) \right) \geq T_{SYM}$ , where  $T_{SYM} = 12.8 + T_{GI}$ , set this field to 1; otherwise, set to 0.
- At receiver side, the following equations may be run to compute  $N_{SYM}$  and  $T_{PE}$  respectively:

$$N_{SYM} = \left\lfloor \left( \frac{L\_LENGTH - m + 3}{3} \times 4 - T_{HE\_PREAMBLE} \right) / T_{SYM} \right\rfloor - b_{PE\_Disambiguity}$$

$$T_{PE} = \left\lfloor \frac{\left( \frac{L\_LENGTH - m + 3}{3} \times 4 - T_{HE\_PREAMBLE} \right) - N_{SYM} \times T_{SYM}}{4} \right\rfloor \times 4$$

- **Move: Hongyuan Zhang Second: Ron Porat**
- **Accepted with no objection**
- **DCN:11-15/0810r1**      **SP Result: 71/0/15**