IEEE P802.11
Wireless LANs

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| IEEE 802.11 Technical Interest Group on Full Duplex November 2018 San Diego Meeting Minutes |
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Abstract

This document contains the meeting minutes of the IEEE 802.11 Topic Interest Group on Full Duplex (FD TIG) sessions in Bangkok, Thailand.

Note: Highlighted text are action items.

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# Tuesday November 12, 2018, PM1 Session

1. The IEEE 802.11 TIG meeting was called to order at 1:34 pm by the Chair, James Gilb (GA-ASI, GenXComm, Gilb Consulting).
	* Proposed Agenda slide deck: [FD TIG November 2018 Agenda (11-18/1743r0)](https://mentor.ieee.org/802.11/dcn/18/11-18-1743-00-00fd-fd-tig-november-2018-agenda.ppt)
* **Meeting 1: Tuesday PM1**
	+ Administrative: Reminders, Rules, Guidelines, Resources, Participation, Announcements
	+ Approval of minutes from September 2018 and the following teleconferences
	+ Status of FD-TIG
	+ Contributions for FD-TIG report
* **Meeting 2: Thursday PM 2**
	+ Discussion on Other Contributions
	+ Prepare WG motions
	+ Future Sessions planning
1. **Administrative: Reminders, Rules, Guidelines, Resources, Participation, Announcements**
	* The Chair reviewed the Guidelines for IEEE-SA meetings, including meeting guidelines and attendance recording procedures on slides 4 and 5 of the agenda slides.
	* He also reminded attendees to record their attendance.
	* The Chair reminded everyone that ideally, the procedure would be consensus based and would only resort to voting if there were unresolvable issues.
2. **Approval of Current Agenda and Past Minutes**
* Motion to approve agenda
	+ Move: Kome Oteri, Second: Yan Xin: Approved
* Motion to approve minutes for [September Meeting](https://mentor.ieee.org/802.11/dcn/18/11-18-1685-00-00fd-fd-tig-meeting-minutes-for-september-2018.docx) (11-18/1685r0). [Teleconference 1](https://mentor.ieee.org/802.11/dcn/18/11-18-1755-00-00fd-meeting-minutes-for-10092018-teleconference.docx) (11-18/1775r0), [Teleconference 2](https://mentor.ieee.org/802.11/dcn/18/11-18-1974-00-00fd-meeting-minutes-for-october-29-2018-teleconference.docx) (11-18/1974r0)
	+ Move: Kome Oteri, Second: Yan Xin; approved
1. **No contributions**
2. **Status of FD-TIG**
	* Options: Standalone project, EHT project or none of the above
	* FD-TIG benefitted greatly from the discussion with EHT on Monday
		+ Some issues discussed
			- Coordination of PHY changes with EHT PHY changes
			- Adding a new preamble for just FD same channel is not desirable
			- Can multi-band (Full Duplex with FDD) achieve the same results?
		+ Study Group purpose
			- Decide if a PAR and CSD should be created
			- If so, then create one or more PAR(s) and CSD(s)
			- Otherwise finish with no PAR and CSD
	* Future Plan for FD-TIG
		+ Possibilities
	* Support for separate SG – work in SG
	* Support as part of EHT – work done in EHT
	* No support, FD-TIG finished work.
		+ Discussion on whether to continue FD-TIG if not supposed to start a study group.
	* Straw poll in FD-TIG
		+ If FD becomes a part of EHT project, do you support the continuation of a separate FD-TIG to provide a focused group to discuss FD issues?
		+ **Results: Not too many yes, a lot no**.
* The discussion from Thursday will be based on the results of the straw poll in Mid-week plenary.

Recess at 1:55 pm till Thursday, PM2

# Thursday, November 14, 2018, PM2 Session

1. The session resumed at 4:00 pm with about 30-40 people in the room.
* Oghenekome Oteri (InterDigital) served as the acting Chair on behalf of James Gilb (GA-ASI, USD, Gilb Consulting, GenXComm); Yan Xin (Huawei) served as the acting secretary.
* The meeting was called to order and an updated agenda ([18/1743r1](https://mentor.ieee.org/802.11/dcn/18/11-18-1743-01-00fd-fd-tig-november-2018-agenda.pptx)) was approved.
1. Discussion on WG Straw Poll:
* Below are the mid-week WG plenary Straw Poll Results:
	+ Option 1: Standalone project on full duplex: 55
	+ Option 2: EHT project should include full duplex: 96
	+ Option 3: none of the above: 78
* There were discussions on how to interpret the number of votes in the straw poll especially given that voting was not limited to a single option. Different views were expressed, such as
	+ - Option 2 is best as it has the highest number.
		- Option 1 may be difficult as there are a lot of people in option 3.
* A way forward of FD was suggested based on the options in WG SP, which received the highest number, i.e., option 2.
	+ Individuals go to EHT to propose FD as a technology.
* A series of straw polls were then carried out in the FD-TIG to identify the way forward.
* SP1: Do you support forming a SG?

Y/N/A (0/17/8)

* SP2: Do you support stopping the operation of the FD-TIG?

Y/N/A (16/11/3)

* SP3: Do you support the continuation of FD-TIG to have a focused study and discussion, and provide information to EHT? (Y means one more meeting in JAN; N means SHUT DOWN)

Y/N/A (15/11/6)

1. Future Session Planning
* Acting chair asked: Should we request for one meeting slot in January?
* It was raised that decision should be made by WG chair.
* Based on discussion, thje acting chair will share the SP results with the WG chair.
	+ The meeting was adjourned.
		- The final agenda slides can be found here: [FD TIG November 2018 Agenda](https://mentor.ieee.org/802.11/dcn/18/11-18-1743-02-00fd-fd-tig-november-2018-agenda.pptx) (11-18/1743r2)
		- The FD TIG Summary report to EHT can be found here: [FD TIG Summary Report to EHT](https://mentor.ieee.org/802.11/dcn/18/11-18-1941-01-00fd-fd-tig-summary-report-to-eht.ppt) (11-18/1941r1)
		- The mid-week report can be found here: [FD TIG Midweek Report](https://mentor.ieee.org/802.11/dcn/18/11-18-2030-00-00fd-fd-tig-midweek-and-final-report.pptx) (11-18/20430r0)
		- The closing report can be found here: [FD TIG Closing Report](https://mentor.ieee.org/802.11/dcn/18/11-18-2058-00-00fd-fd-tig-closing-report-for-november-2018.pptx) (11-18/2058r0)