



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
61/902,413	11/11/2013		260	MP5524PR		

CONFIRMATION NO. 8358

23624
MARVELL SEMICONDUCTOR, INC.
INTELLECTUAL PROPERTY DEPARTMENT
5488 Marvell Lane
Santa Clara, CA 95054

FILING RECEIPT



OC000000065308171

Date Mailed: 12/05/2013

Receipt is acknowledged of this provisional patent application. It will not be examined for patentability and will become abandoned not later than twelve months after its filing date. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

Liwen Chu, San Ramon, CA;
Hongyuan Zhang, Fremont, CA;
Hui-Ling Lou, Sunnyvale, CA;
Yakun Sun, Sunnyvale, CA;

Applicant(s)

Liwen Chu, San Ramon, CA;
Hongyuan Zhang, Fremont, CA;
Hui-Ling Lou, Sunnyvale, CA;
Yakun Sun, Sunnyvale, CA;

Power of Attorney:

Horace Ng--39315

If Required, Foreign Filing License Granted: 12/02/2013

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 61/902,413**

Projected Publication Date: None, application is not eligible for pre-grant publication

Non-Publication Request: No

Early Publication Request: No

Title

OFDMA MAC Consideration

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

page 1 of 3

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

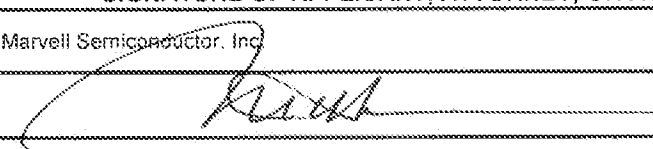
No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

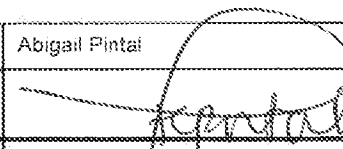
SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>		Application Number	Unassigned
		Filing Date	November 11, 2013
		First Named Inventor	Liwen Chu
		Art Unit	Unassigned
		Examiner Name	Unassigned
Total Number of Pages in This Submission		Attorney Docket Number	MP5524PR

ENCLOSURES (check all that apply)		
☐ Fee Transmittal Form ☐ Fee Attached ☐ Amendment / Reply ☐ After Final ☐ Affidavits/declaration(s) ☐ Extension of Time Request ☐ Express Abandonment Request ☐ Information Disclosure Statement ☐ Certified Copy of Priority Document(s) ☐ Response to Missing Parts/Incomplete Application ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53	☐ Drawing(s) ☐ Licensing-related Papers ☐ Petition ☐ Petition to Convert to a Provisional Application ☐ Power of Attorney, Revocation Change of Correspondence Address ☐ Terminal Disclaimer ☐ Request for Refund ☐ CD, Number of CD(s) _____ ☐ Landscape Table on CD	☐ After Allowance Communication to Technology Center (TC) ☐ Appeal Communication to Board of Appeals and Interferences ☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) ☐ Proprietary Information ☐ Status Letter ☒ Other Enclosure(s) (please identify below) Provisional Application (24 pgs) Application Data Sheet (3 pgs)
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Marvell Semiconductor, Inc.		
Signature			
Printed name	Horace Ng		
Date	November 11, 2013	Reg. No.	39 315

CERTIFICATE OF TRANSMISSION			
I hereby certify that this correspondence is being transmitted electronically to the USPTO on the date shown below			
Typed or printed name	Abigail Pintal	Telephone No.	408-222-3366
Signature		Date	November 11, 2013

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

INVENTOR INFORMATION

Inventor Authority Type:: INV
Primary Citizenship Country:: CN
Status:: Full Capacity
Given Name:: Liwen
Family Name:: Chu
Name Suffix::
City of Residence:: San Ramon
State or Prov. Of Residence:: California
Country of Residence:: United States
Street:: 5639 Lysander Way
Street::
City:: San Ramon
State or Province:: California
Country:: United States
Postal or Zip Code:: 94582

Inventor Authority Type:: INV
Primary Citizenship Country:: CN
Status:: Full Capacity
Given Name:: Hongyuan
Family Name:: Zhang
Name Suffix::
City of Residence:: Fremont
State or Prov. Of Residence:: California
Country of Residence:: United States
Street:: 4707 Paseo Padre Parkway
Street::
City:: Fremont
State or Province:: California
Country:: United States
Postal or Zip Code:: 94555

Inventor Authority Type:: INV
Primary Citizenship Country:: US
Status:: Full Capacity
Given Name:: Hui-Ling
Family Name:: Lou
Name Suffix::
City of Residence:: Sunnyvale
State or Prov. Of Residence:: California
Country of Residence:: United States
Street:: 1485 Firebird Way
Street::
City:: Sunnyvale
State or Province:: California
Country:: United States
Postal or Zip Code:: 94087

Inventor Authority Type:: INV
Primary Citizenship Country:: CN
Status:: Full Capacity
Given Name:: Yakun
Family Name:: Sun
Name Suffix::
City of Residence:: Sunnyvale
State or Prov. Of Residence:: California
Country of Residence:: United States
Street:: 825 Inverness Way
Street::
City:: Sunnyvale
State or Province:: California
Country:: United States
Postal or Zip Code:: 94087

CORRESPONDENCE INFORMATION

Correspondence Customer Number:: 23624
 Phone Number:: (408) 222-2500

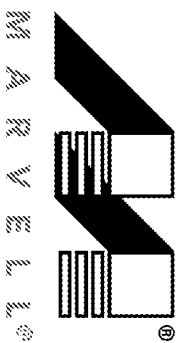
APPLICATION INFORMATION

Subject Matter:: PROVISIONAL
 Title:: OFDMA MAC Consideration
 Docket Number:: MP5524PR
 Request for Early Publication::
 Request for Non-Publication::
 Total Drawing Sheets:: 0
 Small Entity?:: No
 Secrecy Order in Parent Appl.?:: No
 Domestic Priority Information

Application::	Continuity Type::	Parent Application::	Parent Filing Date::

REPRESENTATIVE INFORMATION

Representative Customer Number::		
23624		



OFDMA MAC Consideration

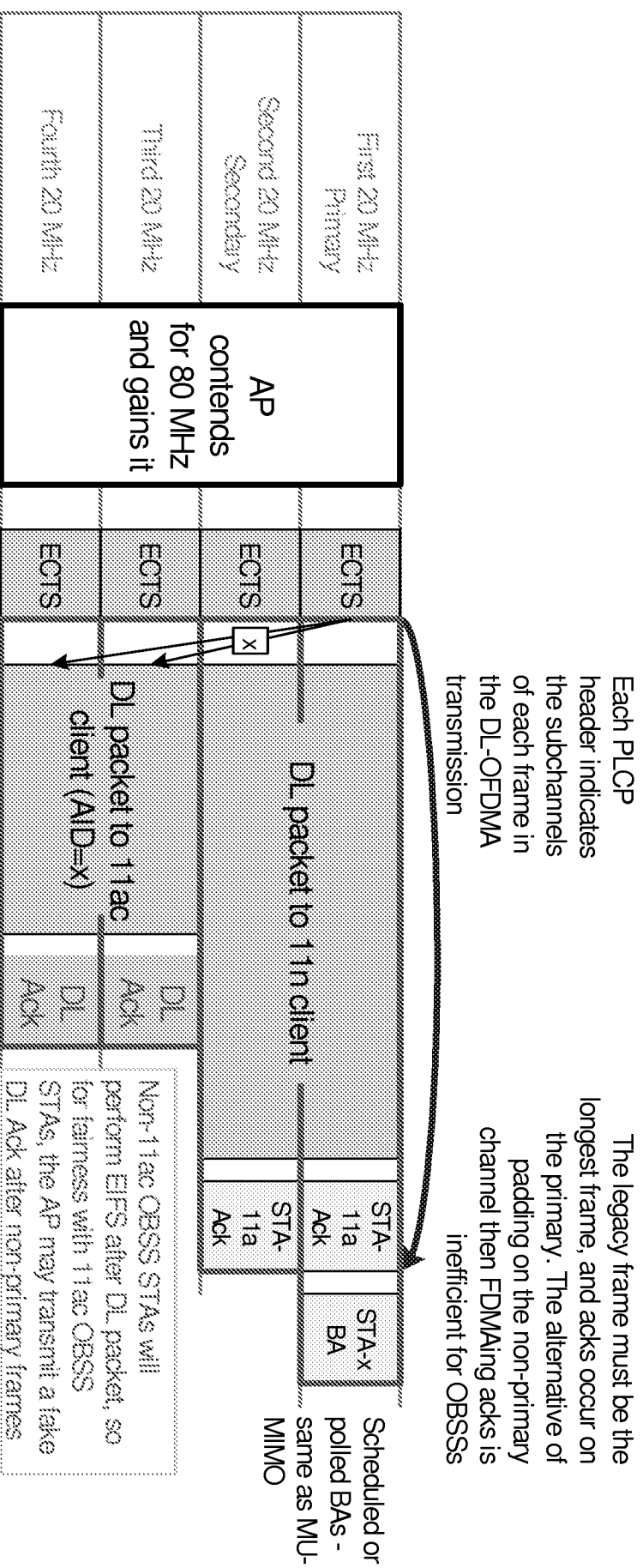
Liwen Chu, Hongyuan Zhang, Hui-Ling Lou, Yakun Sun

MAC Medium Access without OFDMA

- In a 40/80/160/80+80 BSS, all the transmissions include primary 20MHz channel.
- In a 80/160/80+80 BSS, all the 80Mhz transmissions include primary 40MHz channel.
- In a 160/80+80 BSS, all the 160/80+80MHz transmissions include primary 80MHz channel.
- A VHT STA does backoff in primary 20MHz channel. When it tries to transmit ≥ 40 MHz transmission, it needs to detect whether the secondary channel(s) is idle PIFS before its transmission.
- In 11ah's SST, a STA can transmit its frame without using primary 2MHz channel.



Mechanism Proposed for DL OFDMA in [1]



Assume we have a multi-channel contention mechanism that minimizes collisions and maximizes fairness and throughput

- 1) ECTS can set different NAVs per subchannel (red boxes)
- 2) Otherwise ECTS contents are the same: the duration to end-of-legacy-ack for ack scheduling, eoladuration (blue arrow), plus subchannel assignments by AID (black arrows)
- 3) ECTS is broadcasted using a basic legacy rate

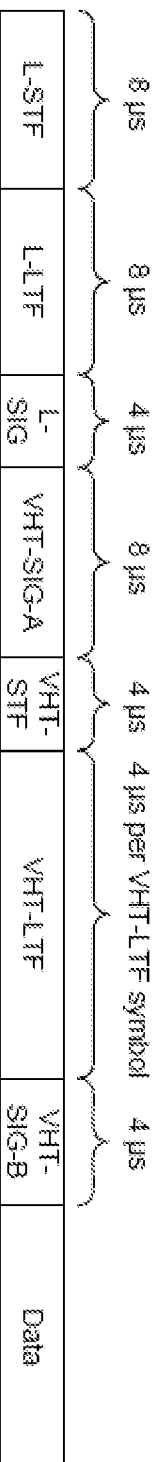


OFDMA Operation Summary

- A STA/AP indicates whether it supports OFDMA operation through HEW Capabilities element.
- Legacy (11n/ac) data PPDU can be transmitted in a DL OFDMA TXOP to a legacy STA.
- When padding is needed, A-MPDU is used.
- Primary 20MHz is all/part of the transmission bandwidth for legacy PPDU transmission in a DL/UL OFDMA transmission.
- PPDU with OFDMA indication can be transmitted in a DL/UL OFDMA transmission to OFDMA STAs.
- It is allowed to add padding for OFDMA PPDU to synchronize acknowledge of OFDMA transmission.
- OFDMA STAs can switch channel after receiving OFDMA SCHED frame or OFDMA Preamble.
- Without OFDMA SCHED frame and SST, only OFDMA data PPDU are allowed in a OFDMA TXOP. Otherwise a OFDMA STA doesn't know where to receive OFDMA preamble.

Group Management and OFDMA Preamble

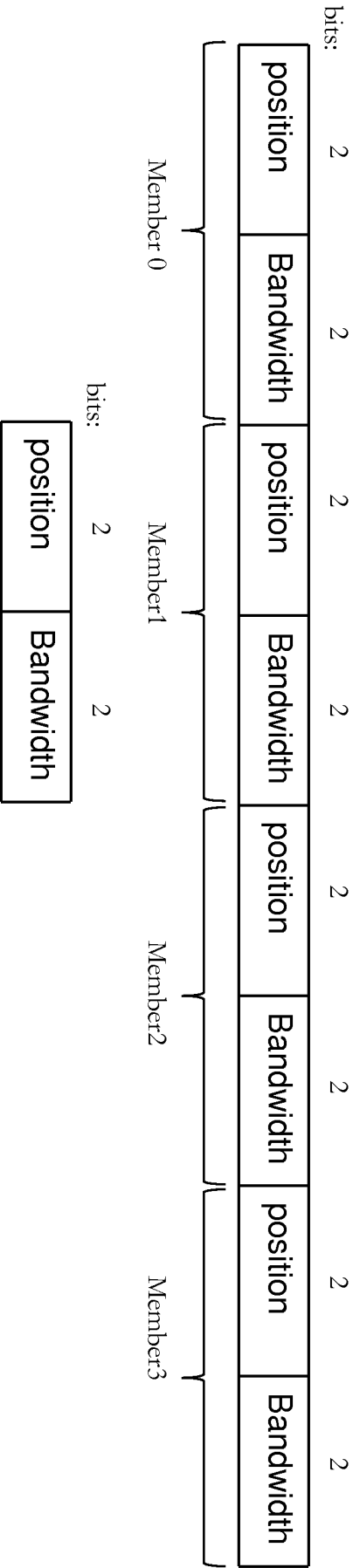
- As in 11ac, in a OFDMA group, members can't be more than a fixed number, e.g. at most 4 members with fixed positions (OFDMA0, OFDMA1, OFDMA2, OFDMA3) as in 11ac's MU MIMO group.
- It is difficult to combine legacy PPDU with OFDMA PPDU when OFDMA preamble includes member channel allocation.
 - Legacy STA needs to use primary 20MHz channel. Then OFDMA STAs don't know where to detect OFDMA preamble.
 - When OFDMA group management frame includes member bandwidth allocation, member channel bandwidth indications are not required in PHY SIG.
- New control frame for OFDMA scheduling may not be required.



Group ID (e.g. 6 mts); member's channel indication (e.g. 4bits per member x4=16 bits);
Member's coding (e.g. 1bit per member x4=4bits)



Group Management and OFDMA Preamble (Cont'd)



- Position:

00 means with lowest 20MHz channel.

1 1 means with highest 20MHz channel.

X+1 means channel after x.
- Bandwidth:

00 -----20MHz bandwidth;

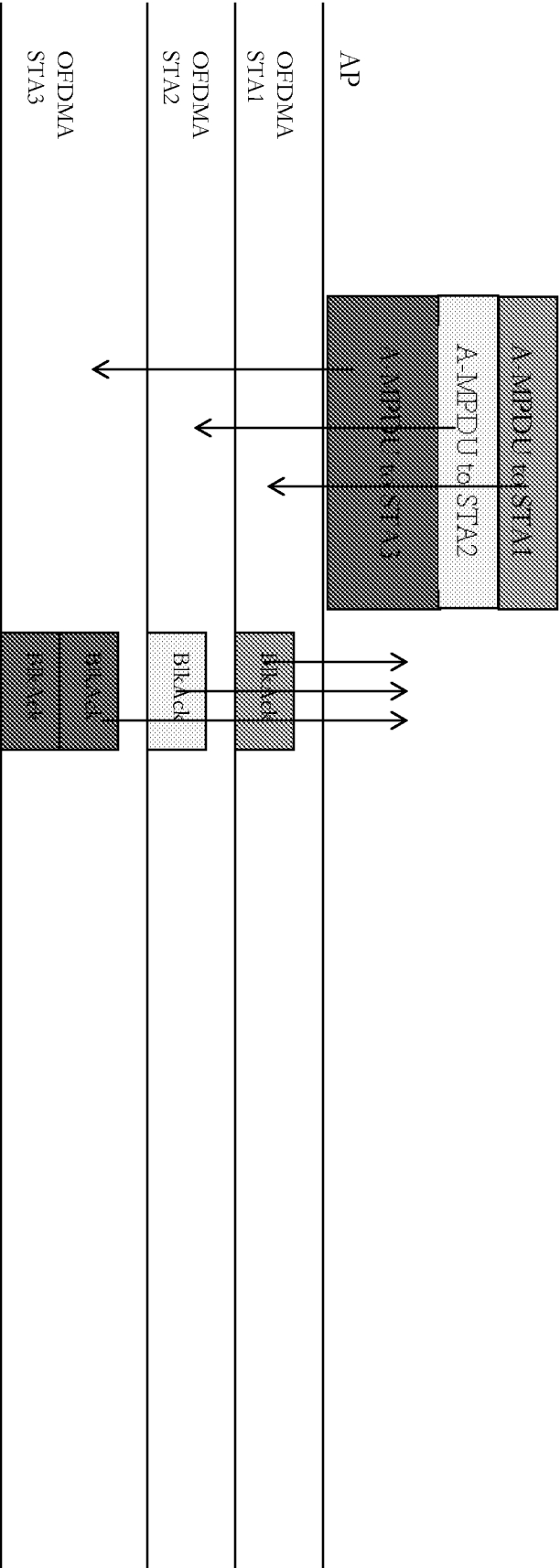
01 -----40MHz bandwidth;

10 -----80MHz bandwidth;

11 -----160/80+80MHz bandwidth.



Group Management and OFDMA Preamble (Cont'd)

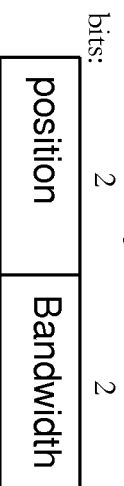


DL OFDMA



OFDMA SCHED

- Before DL/UL OFDMA, a duplicate OFDMA SCHED frame is transmitted in OFDMA TXOP channel.
- OFDMA SCHED frame includes the following information: UL PPDU length, {AID, channel position and bandwidth (4bits, see slide 5 for coding)} (1 to 4 AID channel position pairs) for DL and/or UL.
 - When OFDMA group management frame includes member bandwidth allocation, member channel bandwidth indications are not required in OFDMA CCHED.
 - Duration in OFDMA SCHED is used to protect the OFDMA TXOP.
- With OFDMA SCHED frame before UL/DL OFDMA PPDUs,
 - HEW preamble may add one bit to indicate OFDMA transmission for power control or synchronization or HEW preamble may not need to be changed. Other OFDMA indication in preamble header is also possible.
 - Legacy STAs can receives legacy PPDUs in primary 20MHz/40MHz/80MHz channel.
- OFDMA group management may not be required.

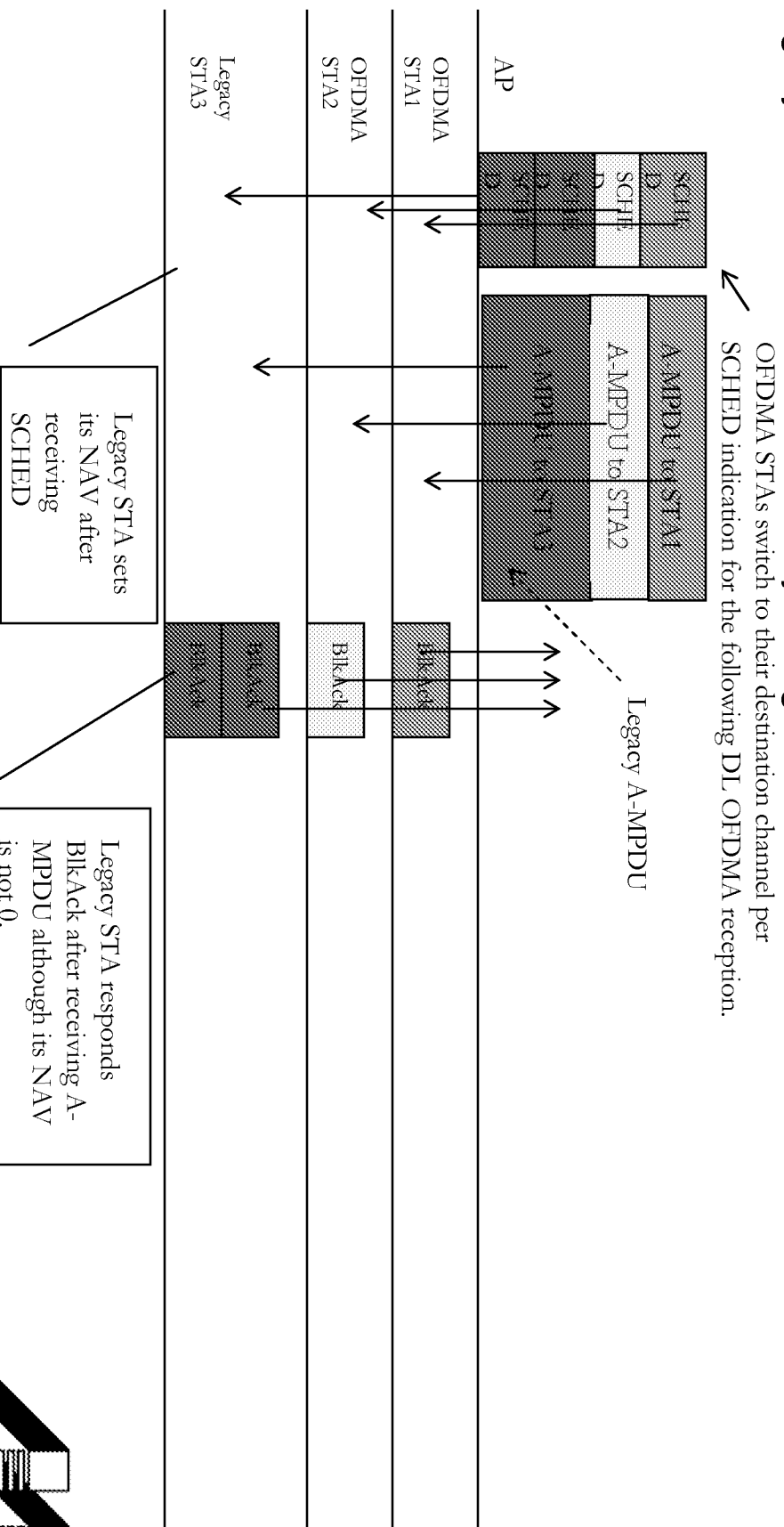


Position and Bandwidth



OFDMA SCHED (Cond't)

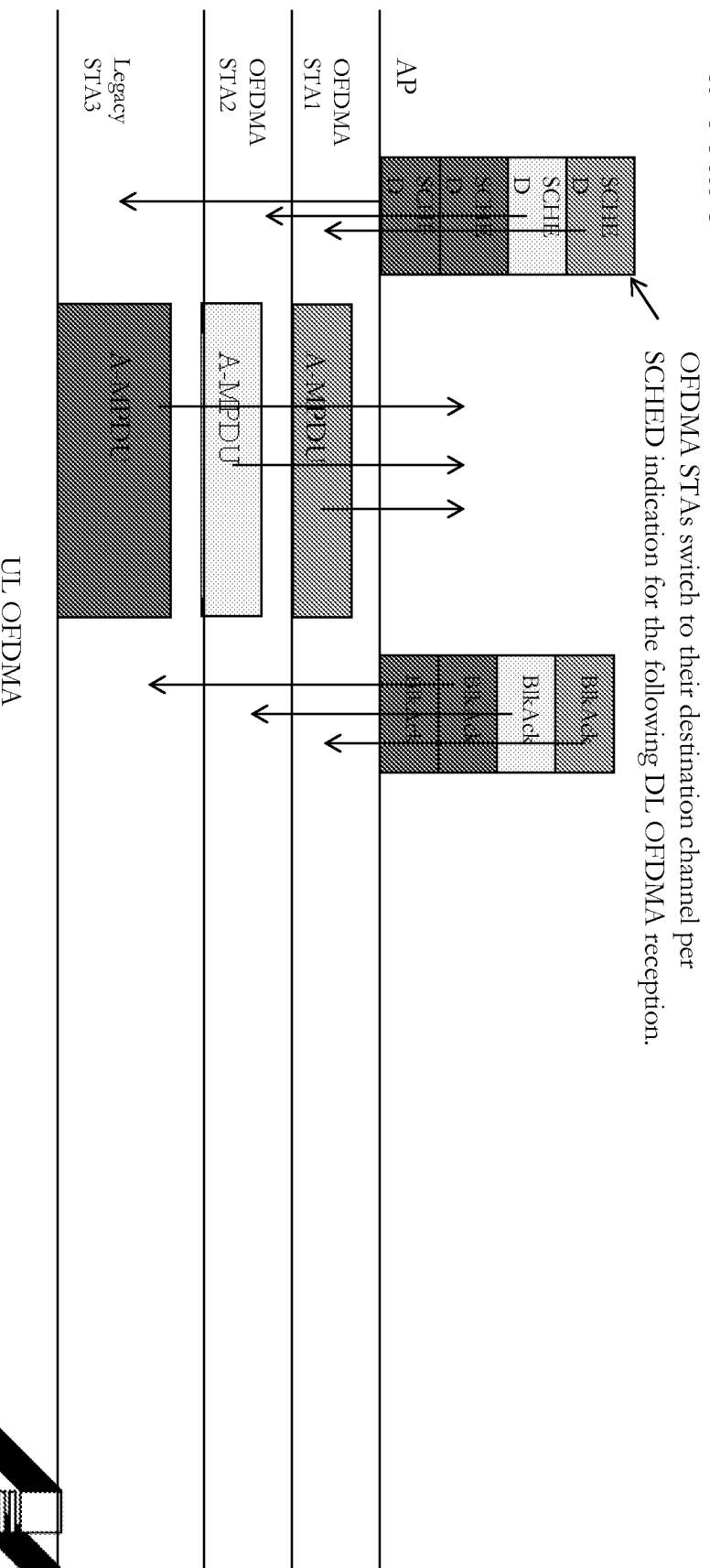
- This is similar to [1] as shown in slide 3.
- Before SCHED transmission, primary channel backoff + secondary channel PIFS idle are used to select the OFDMA TXOP bandwidth.
- Legacy's behavior doesn't need any change in DL OFDMA.



OFDMA SCHED (Cond't)

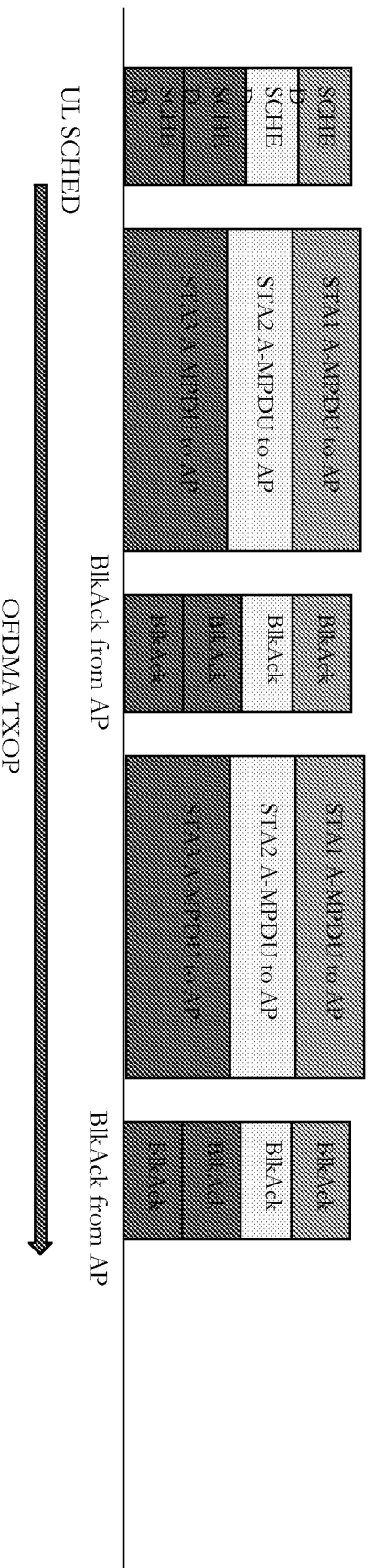
- OFDMA SCEHD defines UL OFDMA PPDU length and channel allocation.
- Legacy devices is not allowed transmit UL PPDU with UL OFDMA (e.g. QoS Poll + UL PPDU).

..... Otherwise, legacy STA or OFDMA STA will not get the correct channel allocation.



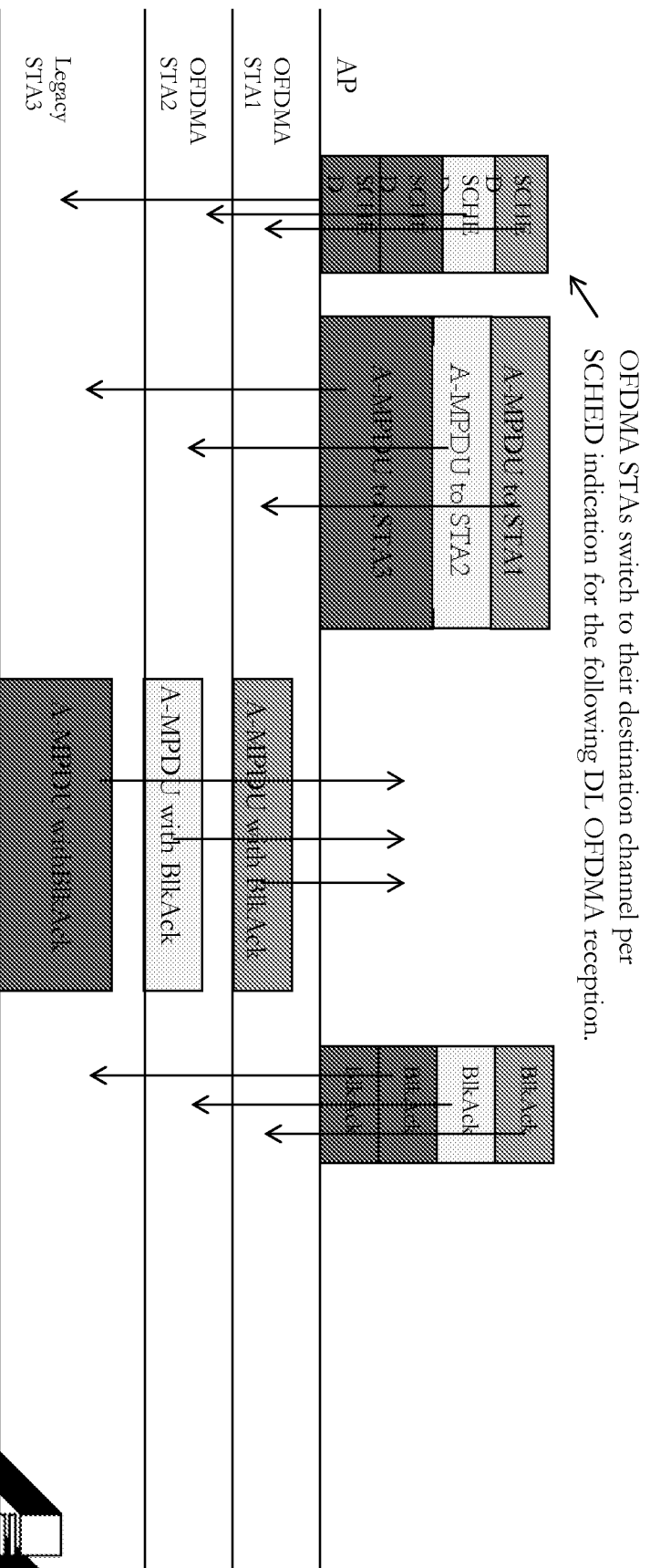
UL SCHED Used for Multiple OFDMA Transmission

- When SCHED indicates repeat usage for the TXOP, the SCHED information can be used in the whole OFDMA TXOP.



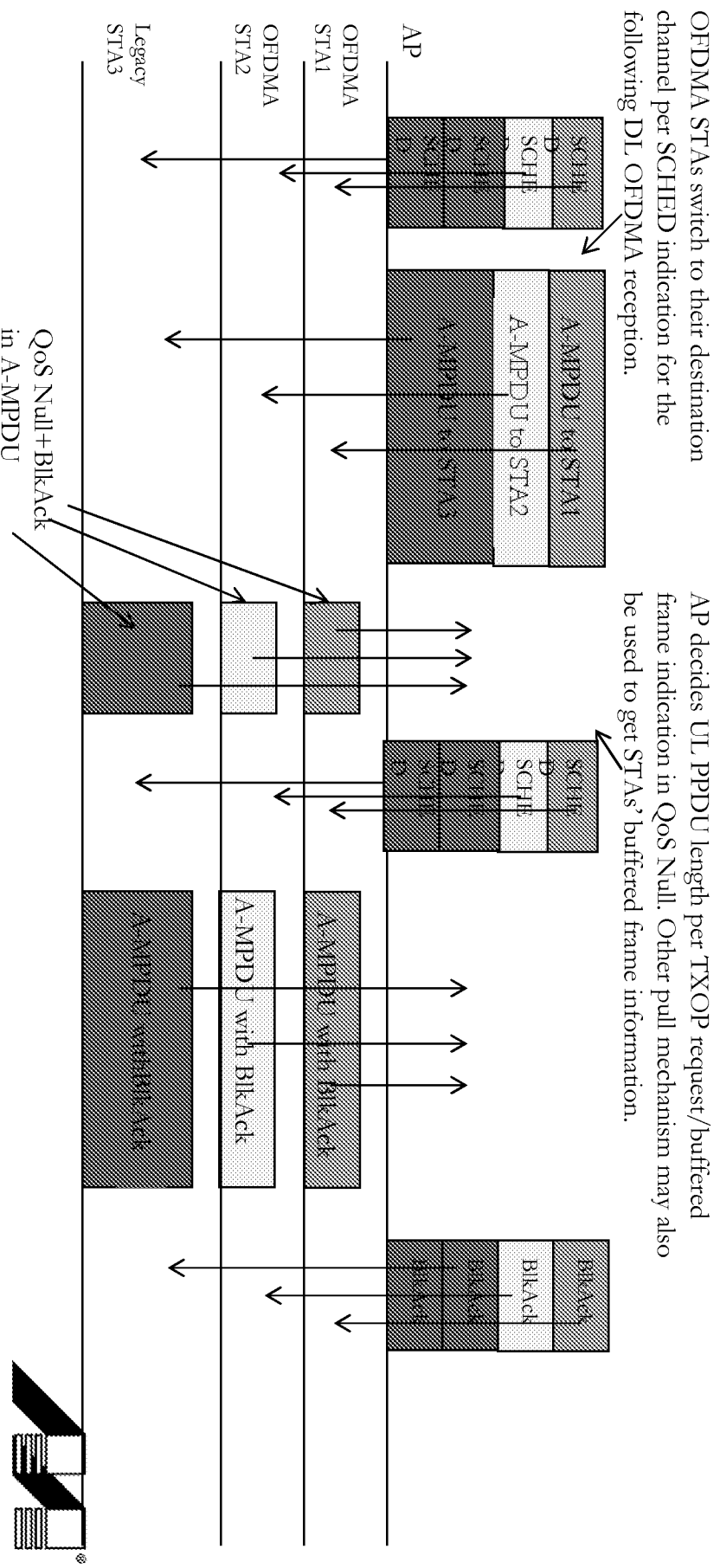
Combination of DL+UL OFDMA

- SCHED includes DL channel bandwidth allocation, UL channel bandwidth allocation, and UL PPDU length with value>0.
..... UL BlkAck can be combined with UL A-MPDU.



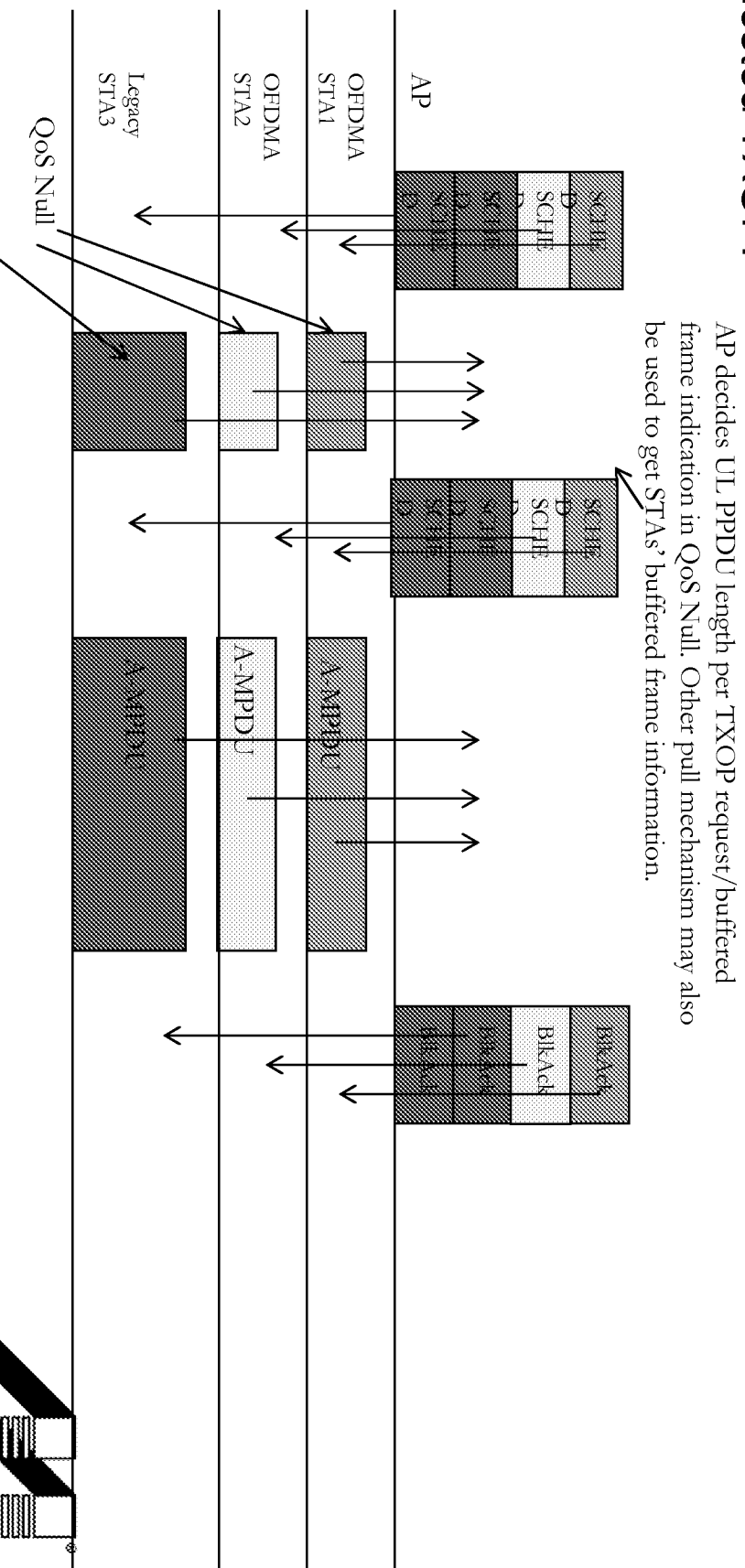
Combination of DL+UL OFDMA (Cont'd)

- SCHED only includes DL channel bandwidth allocation when it wants to know STA's required TXOP/buffered data information.
- STAs responds with BlkAck and QoS Null to tell STA's buffered frame information.
- UL SCHED may have different channel allocation from DL SCHED.



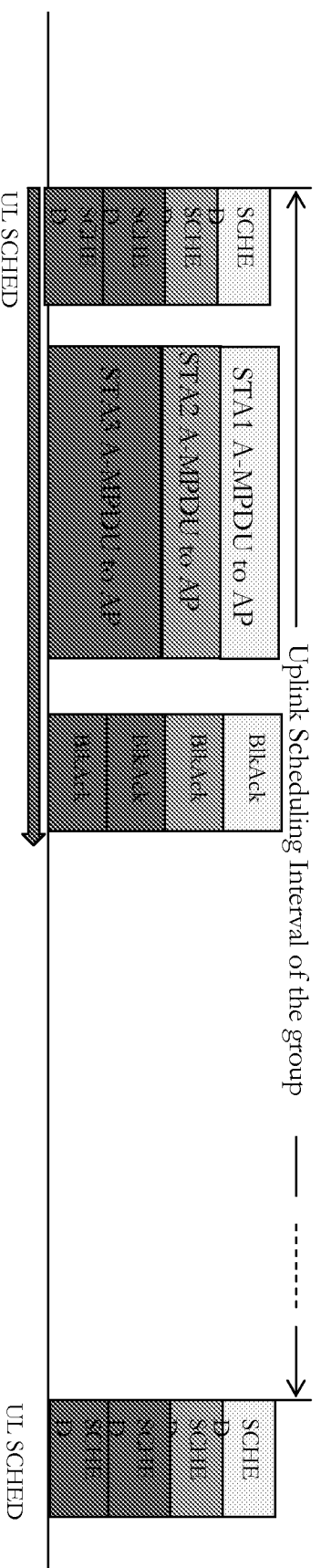
Uplink Buffer Polling

- When an AP doesn't know the buffered data information, it may poll STAs e.g.
 - through a UL SCH ED with PPDU length shorter enough only for QoS Null frame;
 - A poll bit in UL SCH ED.
- The STAs use QoS Null or a new control frame to report buffered data length or requested TXOP.



Uplink OFDMA Scheduling

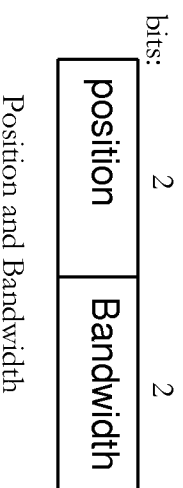
- A MU MIMO STA notifies the AP about its uplink traffic characteristics: proposed service interval, data rate of each AC, burst of the traffic etc. that wants UL MU transmission. A new action frame and related IE may be required.
- The AP considers the STAs with similar uplink traffic characteristics as candidate to be in one UL group.
- The AP notifies the scheduling start time, duration, interval of each group to the group members. A new action frame and related IE may be required.
- The AP schedules SYNC per the negotiated scheduling information.



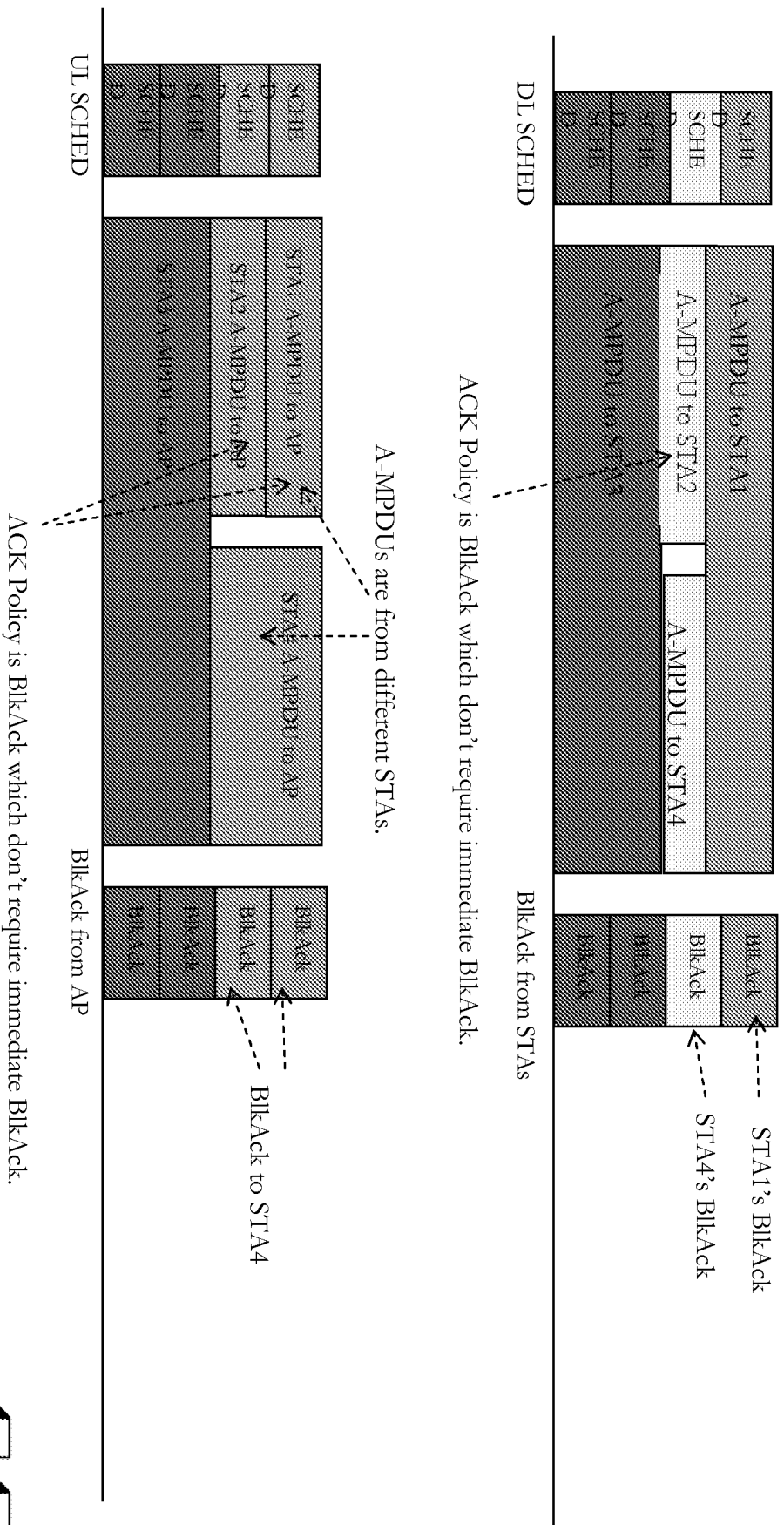
Multiple PPDU's of OFDMA in a Subchannel: SCHED

- OFDMA SCHED frame includes the following information: {AID, PPDU start time, PPDU Length, channel position and bandwidth (4bits, see slide 5 for coding)} (Multiple AID channel position pairs) for DL and/or UL.

..... PPDU start time being 0 is the time of SIFS after the end of SCHED's reception.

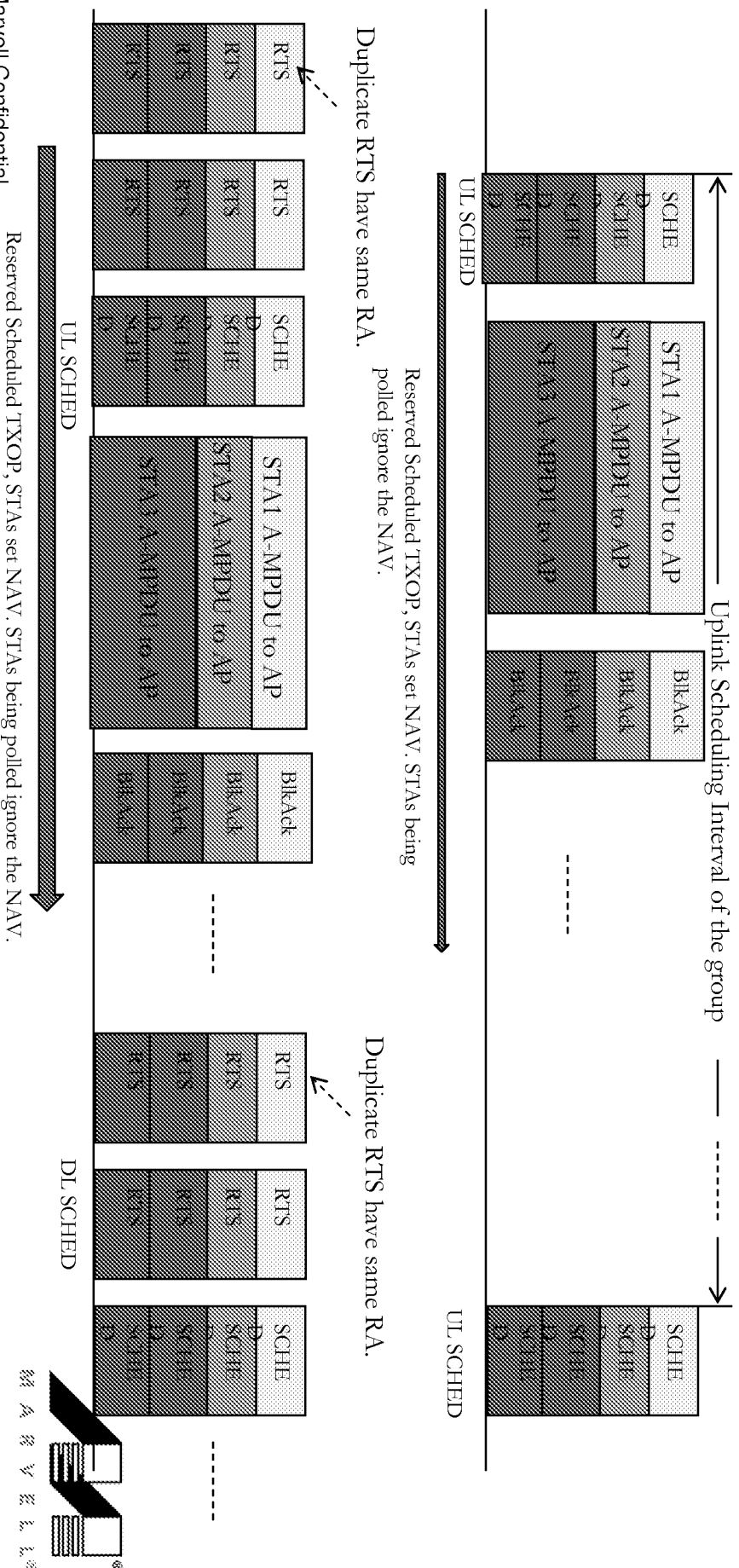


Multiple PPDUs in a Subchannel in a DL/UL OFDMA Schedule



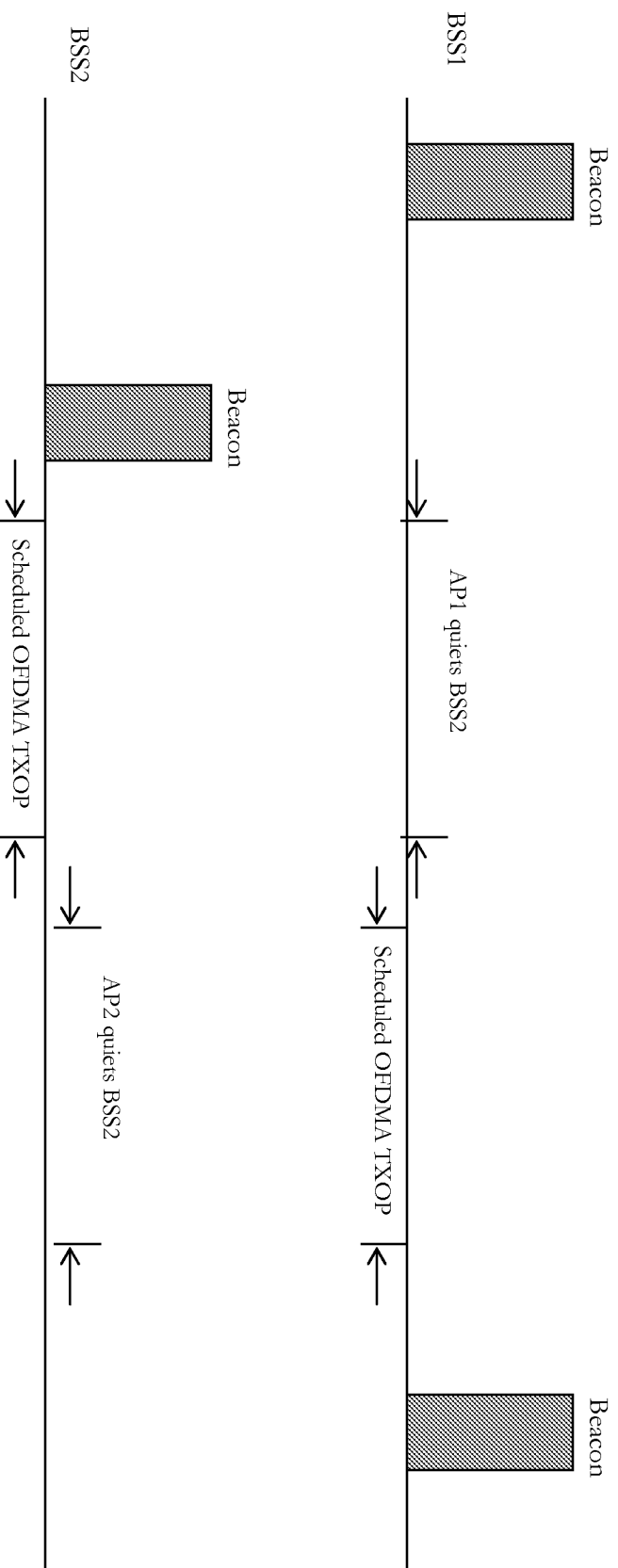
OFDMA TXOP Protection

- For the scheduled OFDMA TXOP, an AP can put the scheduled TXOP information (offset to the beacon, length of the TXOP, periodic indication etc.) in the Beacon. STAs in the BSS are not allowed to contend the medium in the scheduled TXOP Duration if they are not polled.
- An AP may group multiple scheduled OFDMA TXOPs for the protection.
- One or more RTS/CTS may be used at the beginning of the OFDMA TXOP.



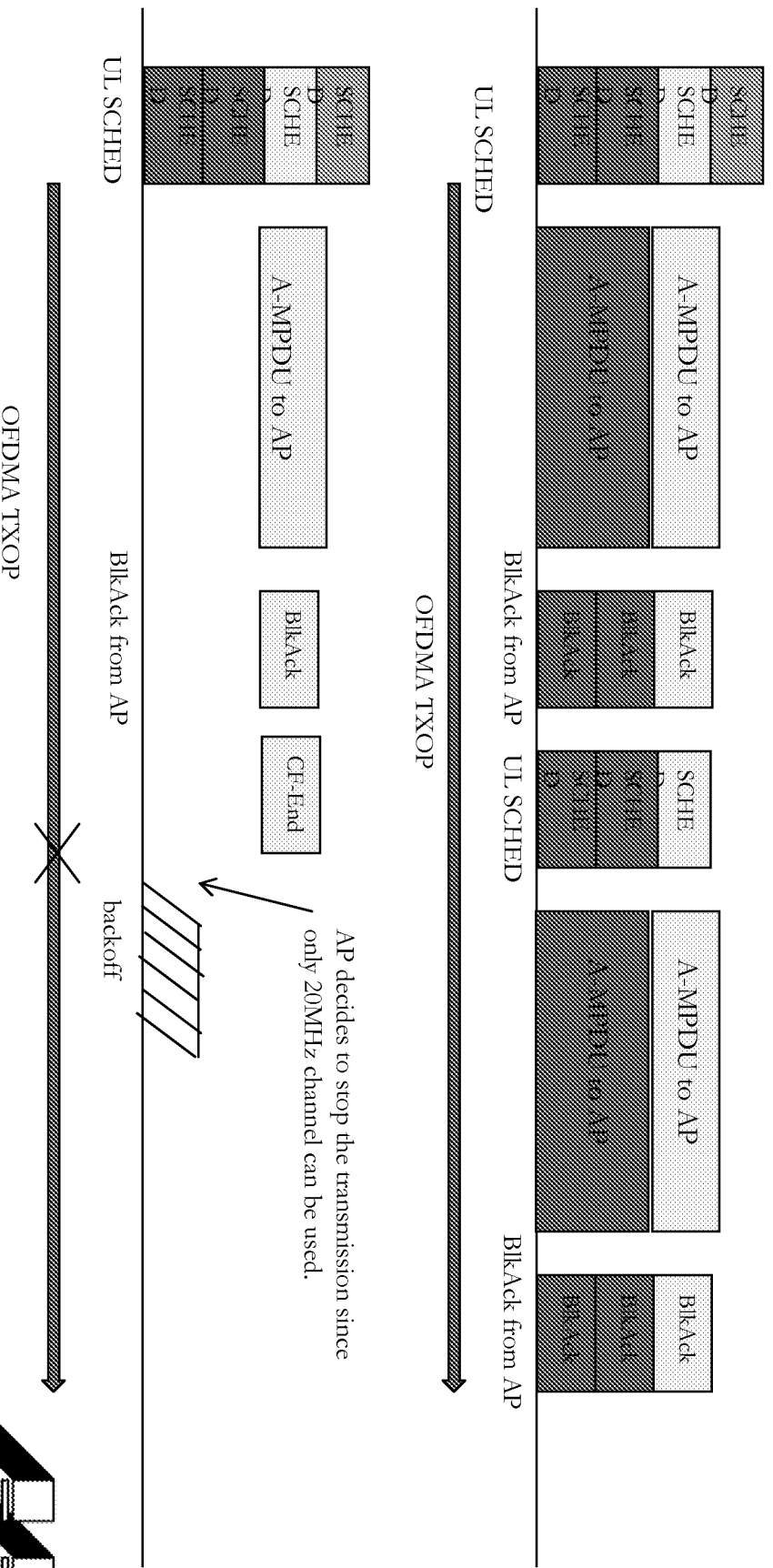
OFDMA TXOP Protection

- * Neighbor BSSes can negotiate/notify scheduled OFDMA TXOP.
 - Neighbor BSSes allocate non-overlapping scheduled OFDMA TXOP.
 - A BSS can quiet its BSS when its neighbor BSS is in a scheduled OFDMA TXOP.

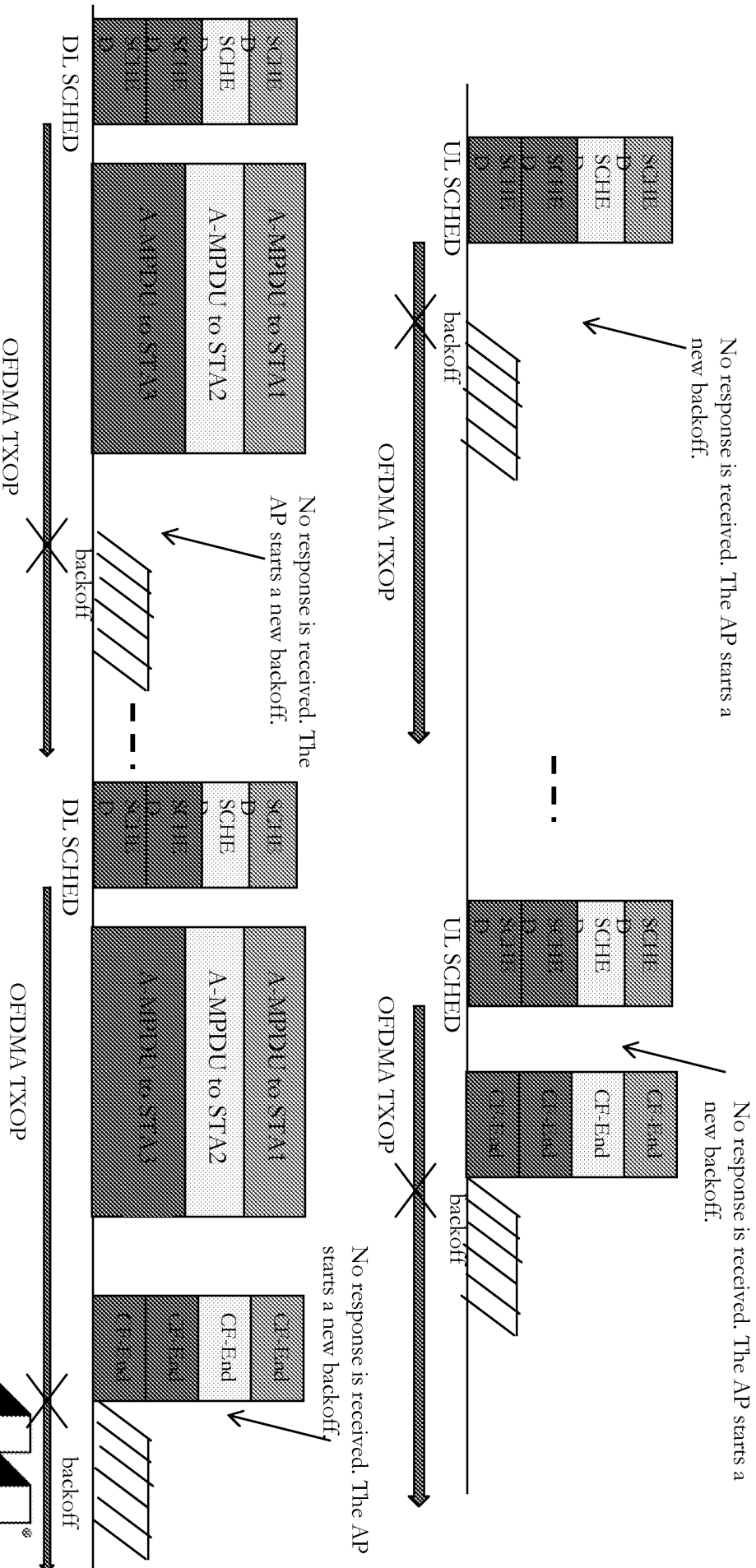


OFDMA TXOP Collision

- When no responding PPDU is received from a subchannel, the subchannel can't be used in the following frame exchange of OFDMA TXOP.

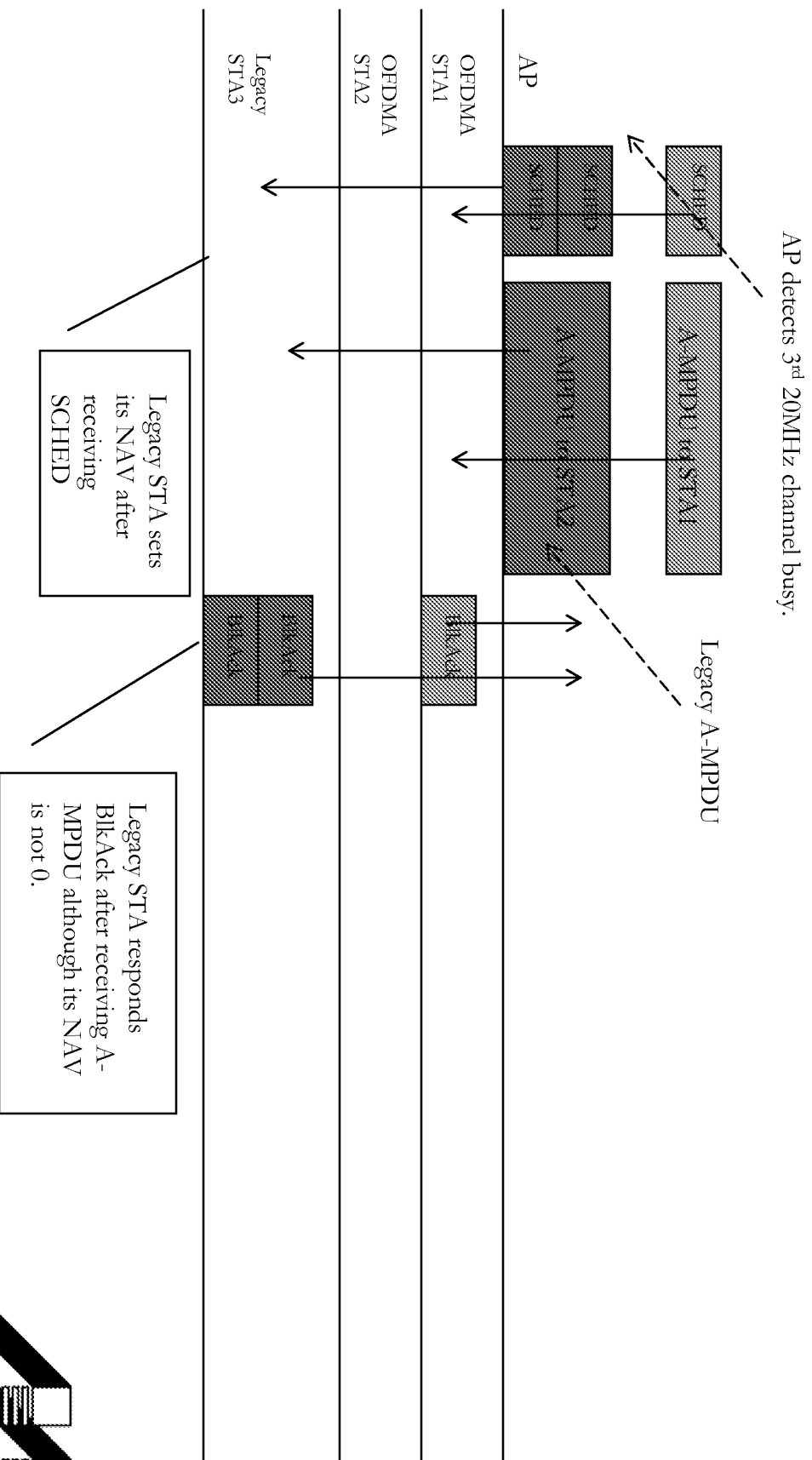


OFDMA TXOP Collision



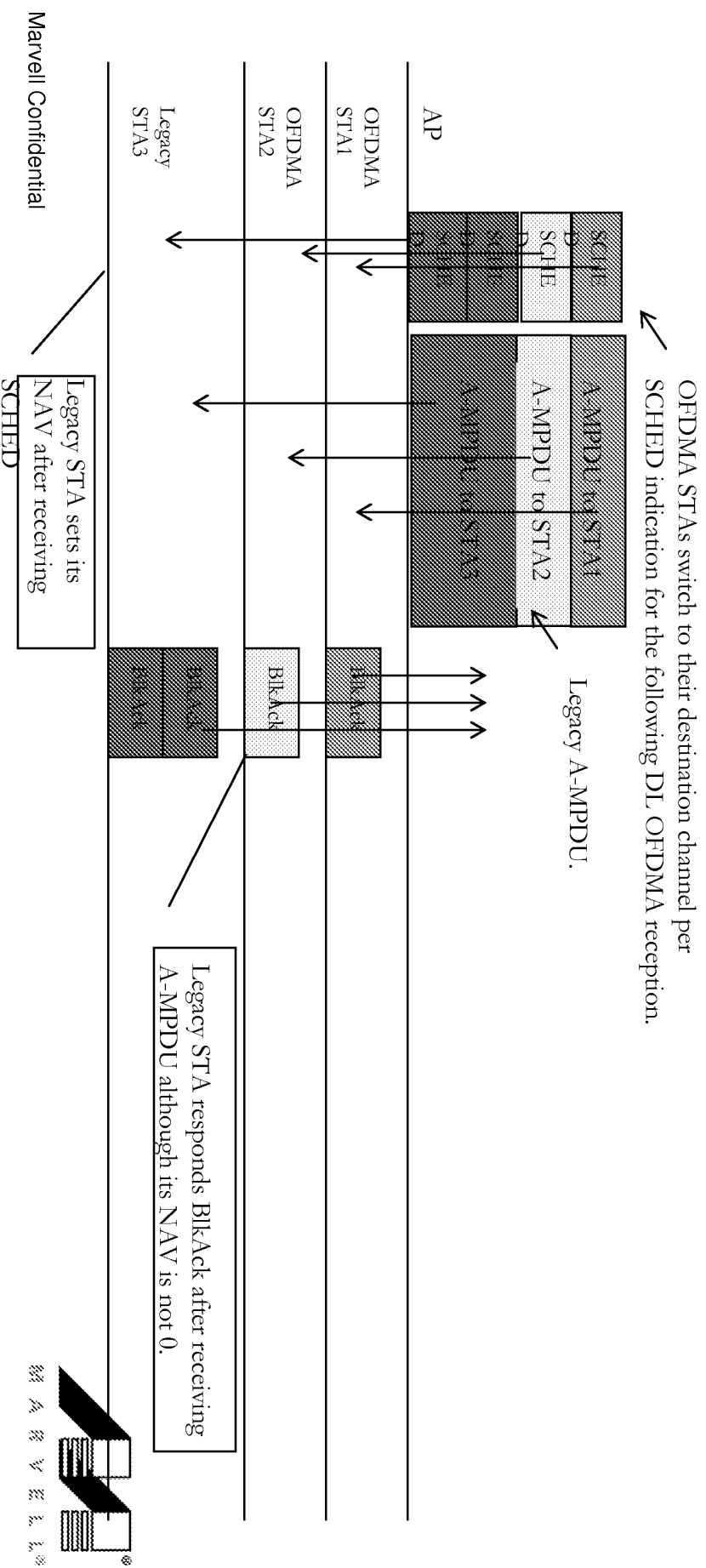
OFDMA without Non Continuous bandwidth

- Non continuous transmission can improve throughput.



Combining Subchannel Selective Transmission with OFDMA

- HEW AP/STA may indicate whether it support subchannel selective transmission (SST) operation like 11ah.
- A STA that supports SST can receives legacy/OFDMA frames in a channel without including primary 20MHz channel.
- Scheduled period may be used for the SST STA to switch to channel(s) that is different from primary channel.



References

- [1] 11-10/371 DL-OFDMA for Mixed Clients
- [2] U.S. Application No. 12/730,651 filed on March 24, 2010, entitled "OFDMA with Block Tone Assignment for WLAN"
- [3] U.S. Patent No. 8,395,997, issued on March 12, 2013, entitled "MULTI-CHANNEL WIRELESS COMMUNICATIONS"



Electronic Patent Application Fee Transmittal

Application Number:

Filing Date:

Title of Invention:

OFDMA MAC Consideration

First Named Inventor/Applicant Name:

Liwen Chu

Filer:

Horace H. Ng/Abigail Pintal

Attorney Docket Number:

MP5524PR

Filed as Large Entity

Provisional Filing Fees

Description

Fee Code

Quantity

Amount

**Sub-Total in
USD(\$)**

Basic Filing:

Provisional Application Filing

1005

1

260

260

Pages:

Claims:

Miscellaneous-Filing:

Petition:

Patent-Appeals-and-Interference:

Post-Allowance-and-Post-Issuance:

Extension-of-Time:

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				260

Electronic Acknowledgement Receipt

EFS ID:	17364465
Application Number:	61902413
International Application Number:	
Confirmation Number:	8358
Title of Invention:	OFDMA MAC Consideration
First Named Inventor/Applicant Name:	Liwen Chu
Customer Number:	23624
Filer:	Horace H. Ng/Abigail Pintal
Filer Authorized By:	Horace H. Ng
Attorney Docket Number:	MP5524PR
Receipt Date:	11-NOV-2013
Filing Date:	
Time Stamp:	13:50:37
Application Type:	Provisional

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 260
RAM confirmation Number	11926
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part / Zip (if appl.)	Pages (if appl.)
-----------------	----------------------	-----------	-------------------------------------	--------------------------------	---------------------

1		MP5524PR-Provisional_for_filing.pdf	435641 11ba65249a49c48ef6243030ea6cbfc7843a bcfb	yes	28
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Transmittal of New Application		1	1	
	Application Data Sheet		2	4	
	Specification		5	28	
Warnings:					
The page size in the PDF is too large. The pages should be 8.5 x 11 or A4. If this PDF is submitted, the pages will be resized upon entry into the Image File Wrapper and may affect subsequent processing					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	29186 d8a6a4b28e9f07894eb81e0eeaf3c064363f 2310	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			464827		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					