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a Hewlett Packard
Enterprise company

EXPERIENCING THE INTELLIGENT EDGE

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HPE Aruba – Ulke Teknik Muduru

A modern office environment with several people working at desks equipped with multiple computer monitors. The space is bright and open, with large windows in the background.

Smart
Workplace

A smiling female server in a white tank top holding a notepad and pen, interacting with a customer who is pointing at a tablet device. The setting appears to be a cafe or a modern retail store.

Smart Store

A dark, atmospheric image of a city skyline at night, overlaid with a network of glowing white lines and nodes, suggesting a digital or smart infrastructure.

EDGE EXPERIENCES WHERE "SMART" MEETS "DIGITAL"

A male worker wearing a yellow hard hat and a red safety jacket is looking down at a smartphone in a factory setting. Industrial machinery and structures are visible in the background.

Smart
Manufacturing

 **AIRHEADS**
meetup

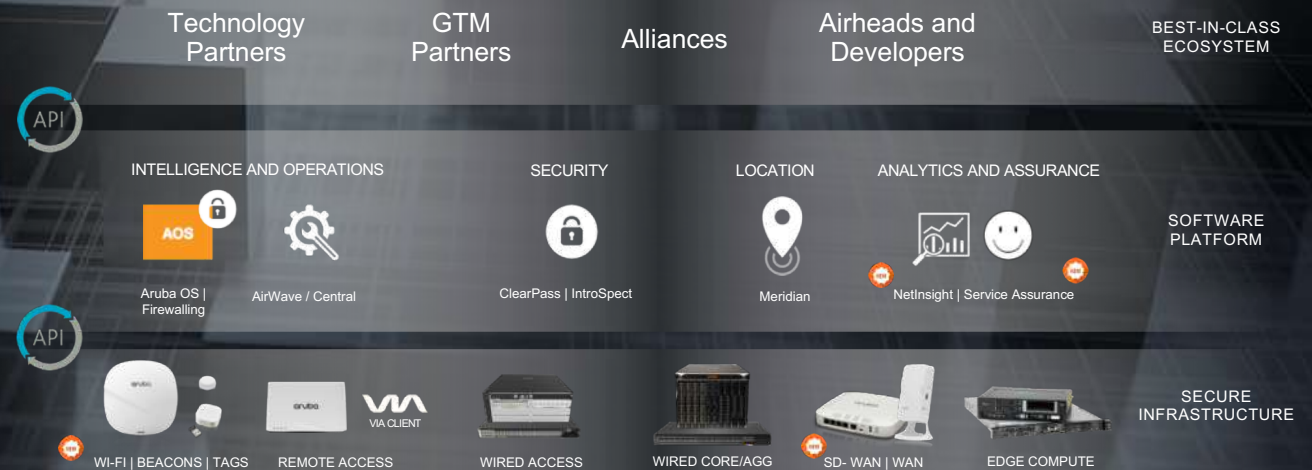
Two female healthcare professionals in blue scrubs are standing in a modern hospital setting, looking at a large digital display or kiosk. They appear to be engaged in a collaborative task.

Smart
Hospitals

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Powering the Experience Economy

ARUBA'S SOFTWARE-DEFINED EDGE PLATFORM



SECURE | SMART | ENTERPRISE SCALE

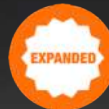
OUR LATEST ANNOUNCEMENTS

SMART INNOVATIONS FOR AN
AMAZING EDGE EXPERIENCE.



**802.11ax (Wi-Fi 6)
Access Points**

WPA3 & Enhanced Open
Zigbee and Bluetooth 5



**802.11ax-Ready
2930M Switches**

802.3bt



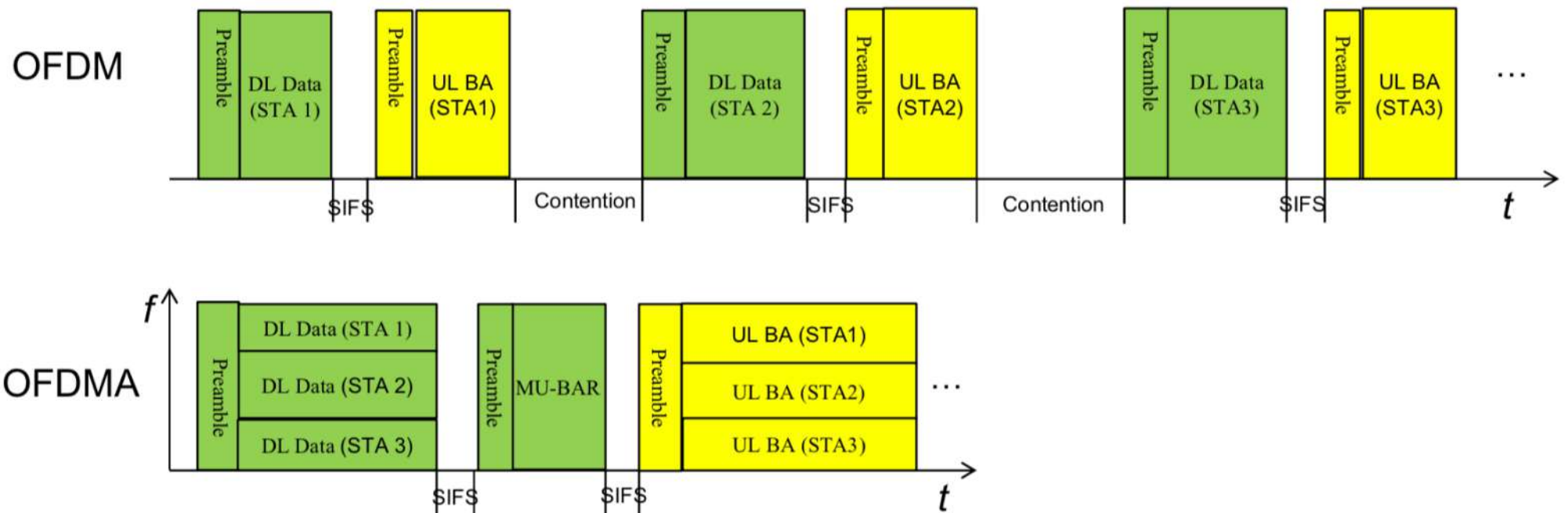
**NetInsight
AI-powered Automation &
Assurance**

Green AP



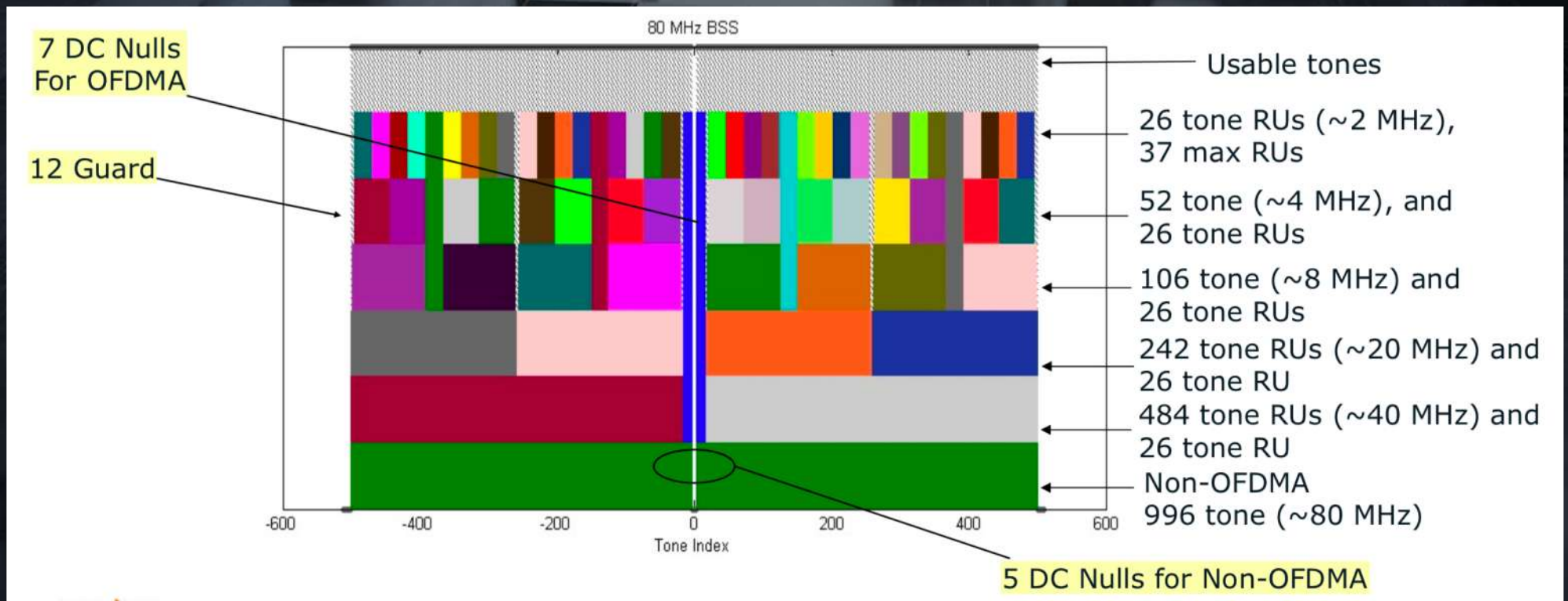
The Next Big Thing: 802.11ax

OFDMA



The Next Big Thing: 802.11ax

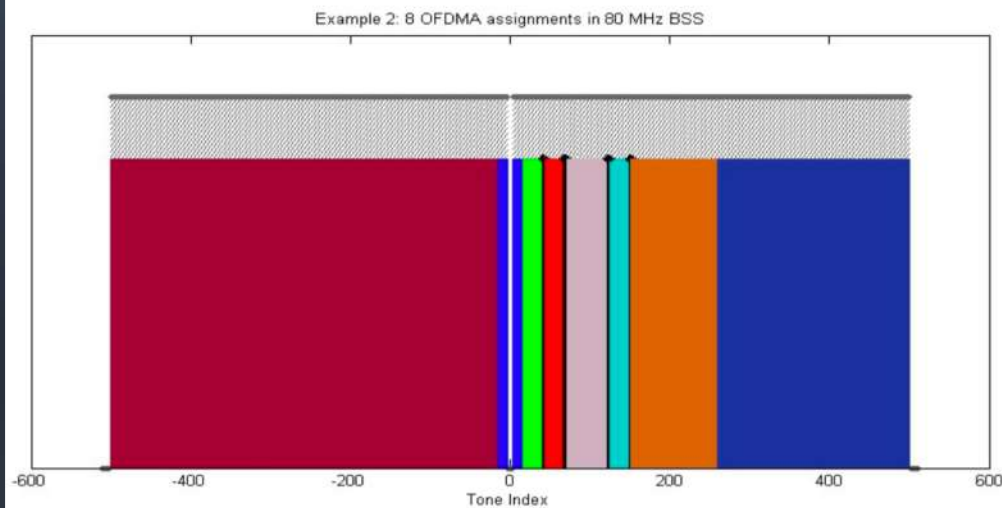
OFDMA=9Tx(20Mhz), 18Tx(40Mhz), 37Tx(80Mhz)



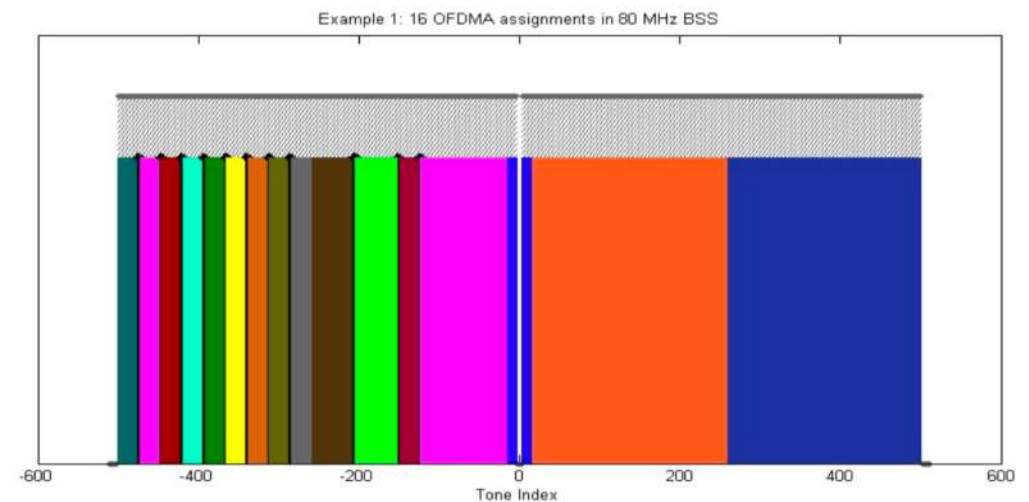
The Next Big Thing: 802.11ax

OFDMA=9Tx(20Mhz), 18Tx(40Mhz), 37Tx(80Mhz)

8 OFDMA assignments in 80MHz BSS



16 OFDMA assignments in 80MHz BSS



High Efficient WiFi is HERE

OLD vs NEW

Contention based resource allocation (11ac)



- Un coordinated resource management
- Devices all compete and try to get resource till they succeed
- Works well in single AP scenario

Scheduling based resource allocation (11ax)



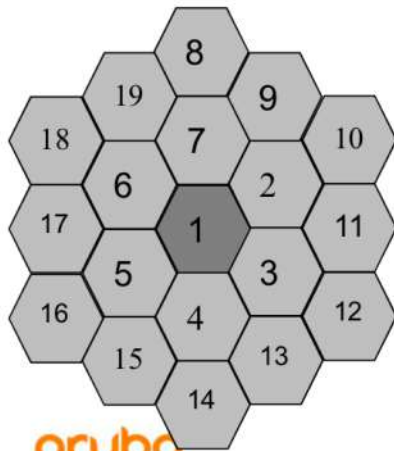
- Up link resource allocation managed by AP
- A must for dense scenarios
- Increased capacity and better user experience

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The Next Big Thing: 802.11ax

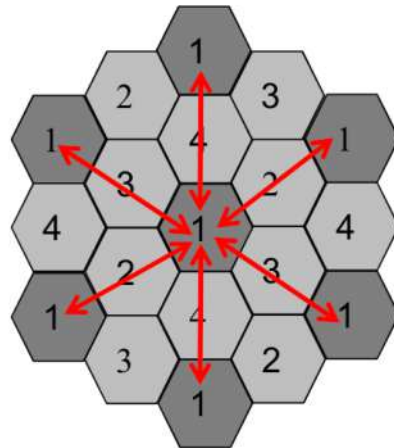
BSS Coloring

**Low Frequency Reuse
(w/ 20 MHz channels)**

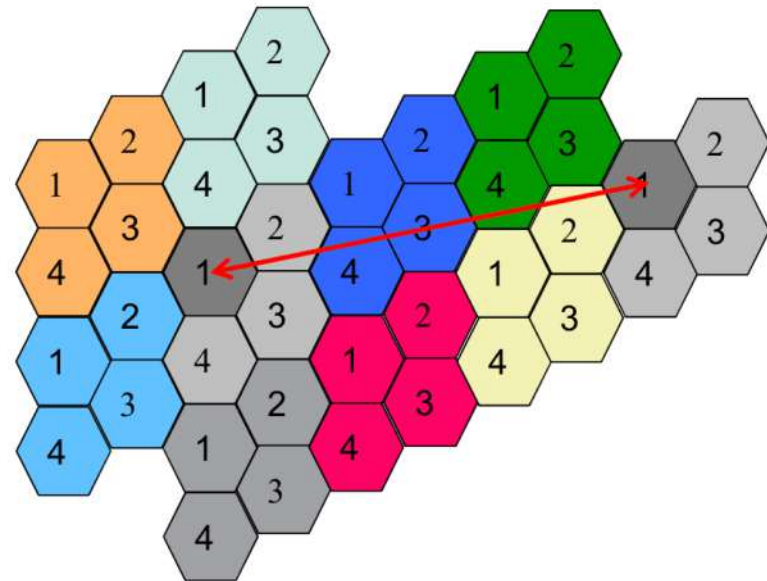


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**Increased Frequency Reuse (w/
80 MHz channels) -
All same-channel BSS blocking**



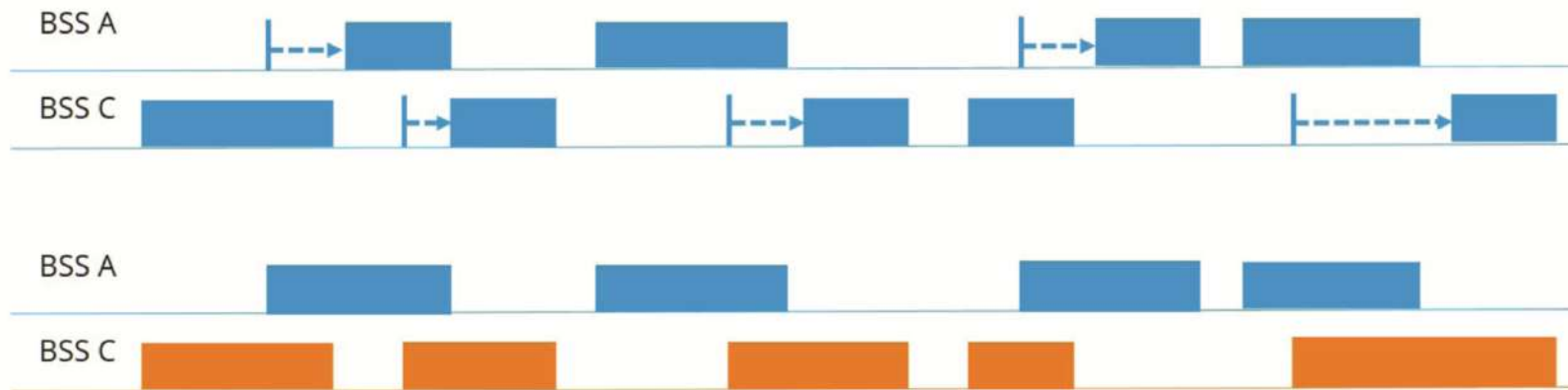
Same-channel BSS only blocked on Color Match



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The Next Big Thing: 802.11ax

BSS Coloring



All transmissions defer to members of both BSS's: one packet at a time

Transmissions within a BSS can proceed simultaneously with transmissions in other BSS's

Program

09:00 - 10:00	Hosgeldiniz, Kahvalti
10:00 - 11:15	HPE Aruba - Son Yenilikler - O.EREN
11:15 - 11:30	Kahve Arasi
11:30 - 12:45	Aruba Dynamic Segmentation - Secure Switching - S. KAVALA
12:45 - 14:00	Ogle Yemegi
14:00 - 15:00	AOS8 - Clustering - FW State Sync - Canli Demo - O.EREN - M.SONMEZ
14:00 - 14:30	The Secure Core - Aruba ClearPass - B.BOZKUS - ProLink
14:30 - 15:00	Insider Threat Management with ML/AI - Aruba IntroSpect - Y. FAKILI
15:00 - 15:20	Kahve Arasi
15:20 - 16:20	Dynamic Segmentation - Secure Switching - Canli Demo - S.KAVALA
15:20 - 16:20	Aruba High Density WiFi Design Fundamentals - Aruba AirMatch - B.DERICIOGULLARI
16:20 - 16:40	Kahve Arasi
16:40 - 17:40	Aruba SD-WAN/SD-BRANCH O.EREN
16:40 - 17:40	Aruba Airwave On-Prem Cloud, Aruba Central, NetInsight, Cape Networks. M. SONMEZ
17:40 - 18:00	Tum seanslar hakkında soru cevap seansi ve kapanis.



AIRHEADS
meetup

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Tesekkurler