

GDPR compliancy through WPA3

Tīklu atbilstība GDPR

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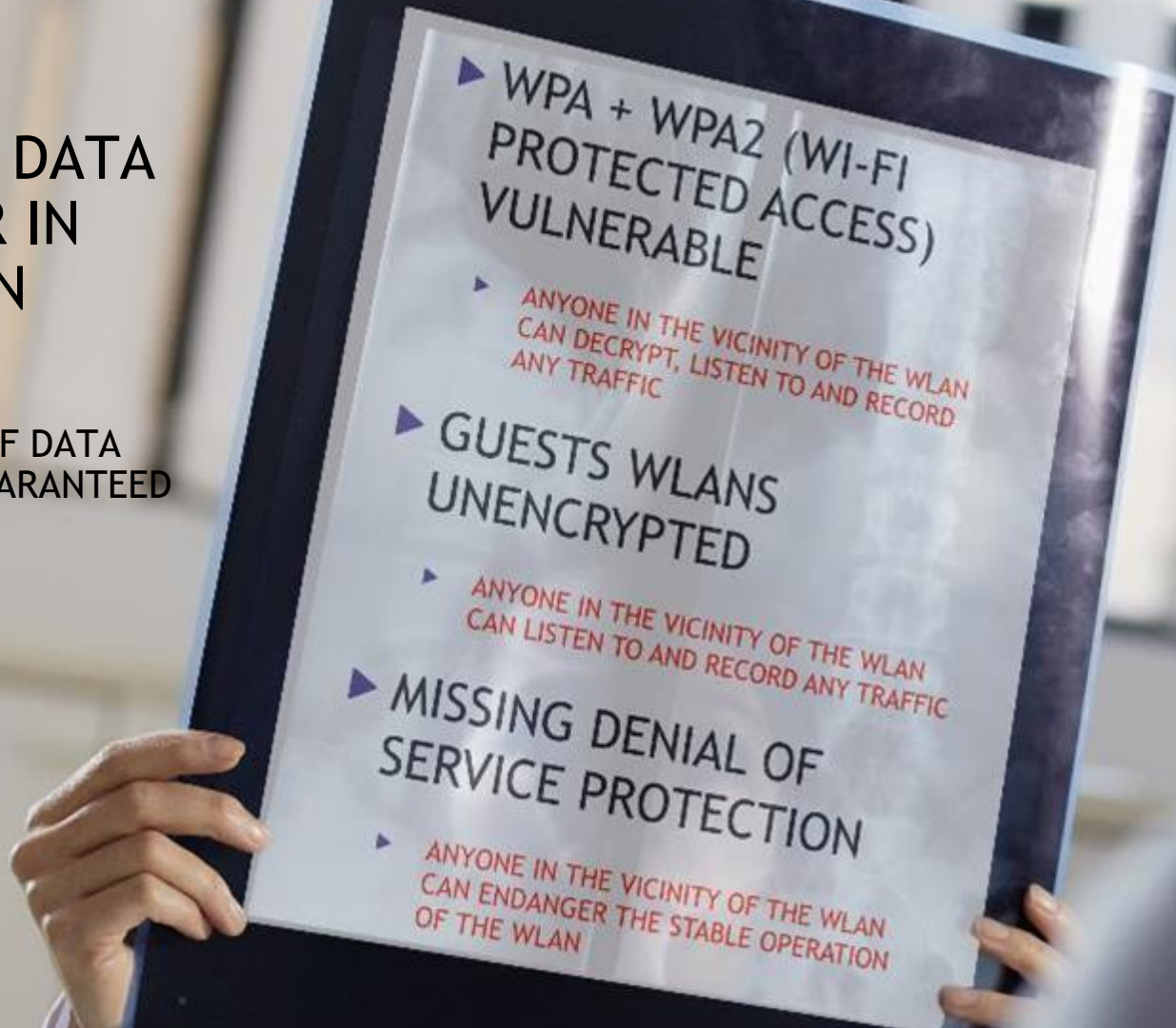
A woman with dark hair and glasses is looking intently at a computer screen. The screen displays lines of code in a dark theme. The background is a blurred image of the same woman and screen, creating a sense of depth. The overall color palette is dark with purple and blue accents.

WEAK ENCRYPTION WITH WPA2 UNENCRYPTED GUEST WLAN'S MISSING DENIAL OF SERVICE (DOS) PROTECTION

DATA IS UNPROTECTED WHEN TRANSMITTED THROUGH THE AIR

PROBLEM: INSECURE DATA TRANSFER IN WLAN/LAN

SECURITY
INTEGRITY AND
AVAILABILITY OF DATA
CANNOT BE GUARANTEED



NOT EU-GDPR COMPLIANT

- ENCRYPTION BY WPA2
- UNENCRYPTED GUESTS WLANS
- MISSING DOS PROTECTION IN WLAN

- **PRIVILEGED USER CONTROL**

IN ARTICLE 25 AND 32 OF THE EU-GDPR

WPA2 ENCRYPTION / GUESTS WLANS ARE NOT COMPLIANT

- **PREVENT ATTACK THROUGH DATA ENCRYPTION**

IN ARTICLE 32 OF THE EU-GDPR

WPA2 ENCRYPTION / GUESTS WLANS / MISSING DoS PROTECTION ARE NOT COMPLIANT

- **AUDITING AND CONTROL**

IN ARTICLE 30 AND 33 THE OF EU-GDPR

WPA2 ENCRYPTION / GUESTS WLANS ARE NOT COMPLIANT

- **DATA CORRUPTION MONITORING**

IN ARTICLE 34 OF THE EU-GDPR

WPA2 ENCRYPTION / GUESTS WLANS ARE NOT COMPLIANT



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FIND THE RIGHT BALANCE

• WPA3 SAFER

GDPR COMPLIANCY THROUGH WPA3

- ▶ *IMPROVED AND MORE SECURE AUTHENTICATION (SAE)*
- ▶ *IMPROVED AND MORE SECURE ENCRYPTION (SAE)*
- ▶ *ENCRYPTED GUESTS WLANS (OWE)*
- ▶ *DENIAL OF SERVICE PROTECTION (PMF)*

WPA3 - New Wi-Fi Security Standard

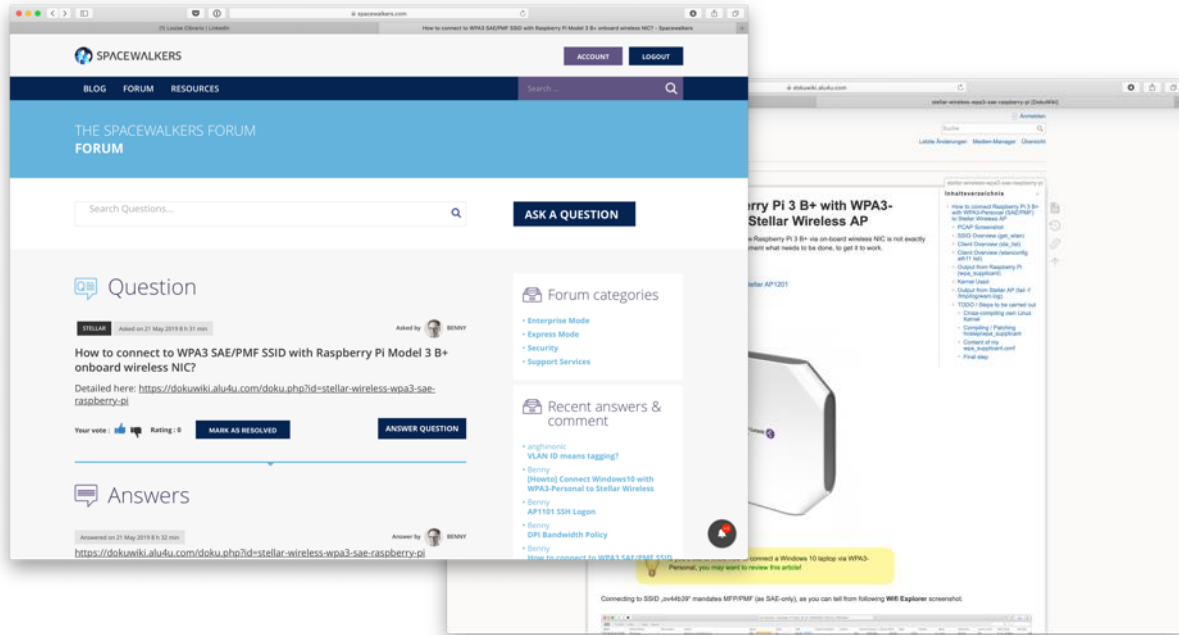


- Mandatory PMF (Protected Management Frames): providing protection for unicast and multicast robust management frames to include Action, Disassociate, and De-authenticate frames against eavesdropping.
- WPA3-SAE (Simultaneous Authentication for Equals): providing users with stronger security protections such as:
 - Offline dictionary attack resistance
 - Key recovery resistance
 - Natural password use
 - Simple work flow continuity
- WPA3-Enterprise offers optional 192-bit security mode
- Intermediate transition mode: supporting WPA2-PSK and WPA3-SAE on the same BSS (mixed mode)
- All Stellar Access Points will support all mandatory WPA3 capabilities
 - AP1101 & 2.4G band of AP1201H will be limited to 128-bit crypto

- **WPA3-Personal**
 - Mandatory PMF + SAE
- **WPA3-Enterprise**
 - Mandatory PMF
 - 192-bit crypto suite

AWOS 3.0.R6

WPA3 - NEW WI-FI SECURITY STANDARD



- ✓ WPA3 security update available
- ✓ Free software update
- ✓ Search “WPA3 + Stellar” on Google

	WPA3	AP1101	AP1201H	AP1201	AP1221	AP1222	AP1231	AP1232	AP1251	1ax APs
WPA3-Personal		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WPA3-Enterprise		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CNSA (Suite-B)		No	Only 5GHz	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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