CWNP

CWSP-207
CWNP Certified Wireless Security Professional (CWSP)

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Question: 1

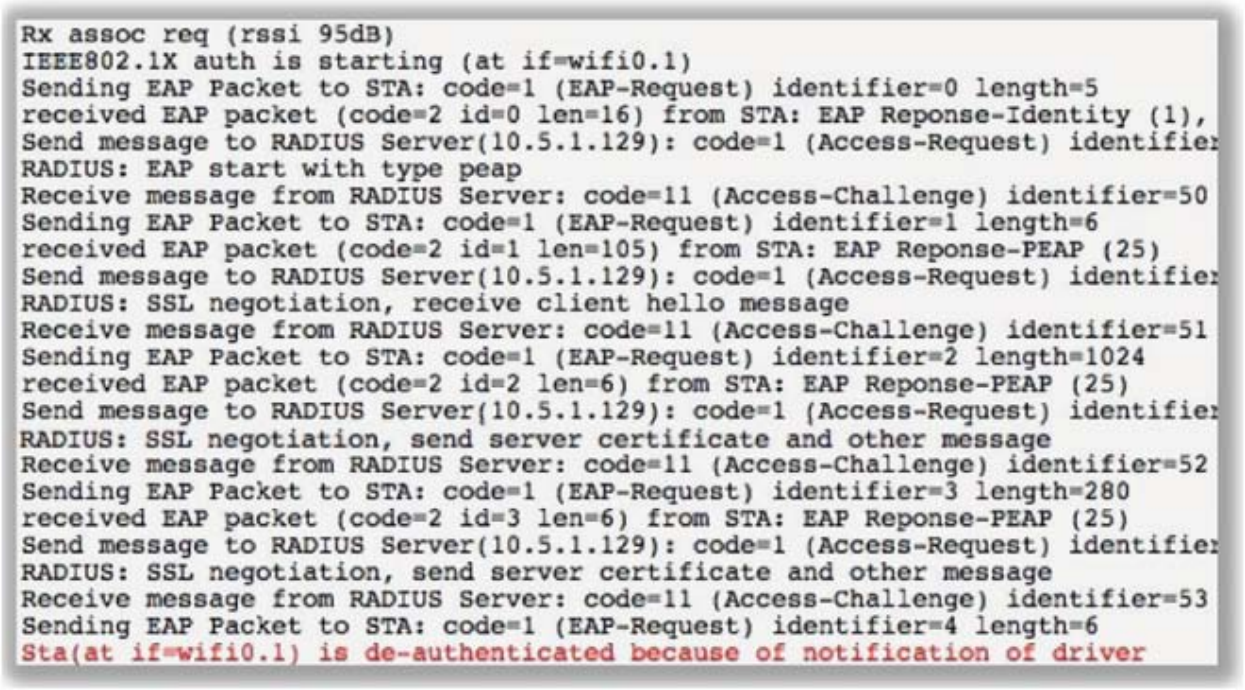
Which of the following is a random numerical value that is generated one time only and is used in cryptographic operations?
(Choose all that apply.)
Response:

A. Pseudo-random function (PRF)
B. One-time password (OTP)
C. Single sign-on (SSO)
D. Throw-away variable (TV)
E. Nonce

Answer: E

Question: 2

You have been tasked with configuring a secure WLAN for 400 APs at the corporate offices. All the APs and employee Windows laptops have been configured for 802.1X using EAP-MSCHAPv2. The domain user accounts are failing authentication with every attempt.
After viewing the graphic shown here, determine the possible causes of the problem.
(Choose all that apply.)



Response:

A. The networking settings on the AP are incorrect.
B. The Windows OS laptops' supplicant has been configured for machine authentication.
C. The supplicant clock settings are incorrect.
D. An authentication port mismatch exists between the AP and the RADIUS server.
E. The networking settings on the RADIUS server are incorrect.
F. The incorrect root certificate is selected in the supplicant.

Answer: C,F

Question: 3

Given: You must implement 7 APs for a branch office location in your organization. All APs will be autonomous and provide the same two SSIDs (CORP1879 and Guest).
Because each AP is managed directly through a web-based interface, what must be changed on every AP before enabling the WLANs to ensure proper staging procedures are followed?
Response:

A. Fragmentation threshold
B. Administrative password
C. Output power
D. Cell radius

Answer: B

Question: 4

ABC Company requires the ability to identify and quickly locate rogue devices.
ABC has chosen an overlay WIPS solution with sensors that use dipole antennas to perform this task.
Use your knowledge of location tracking techniques to answer the question.
In what ways can this 802.11-based WIPS platform determine the location of rogue laptops or APs?
(Choose 3)
Response:

A. Time Difference of Arrival (TDoA)
B. Angle of Arrival (AoA)
C. Trilateration of RSSI measurements
D. GPS Positioning
E. RF Fingerprinting

Answer: A,C,E

Question: 5

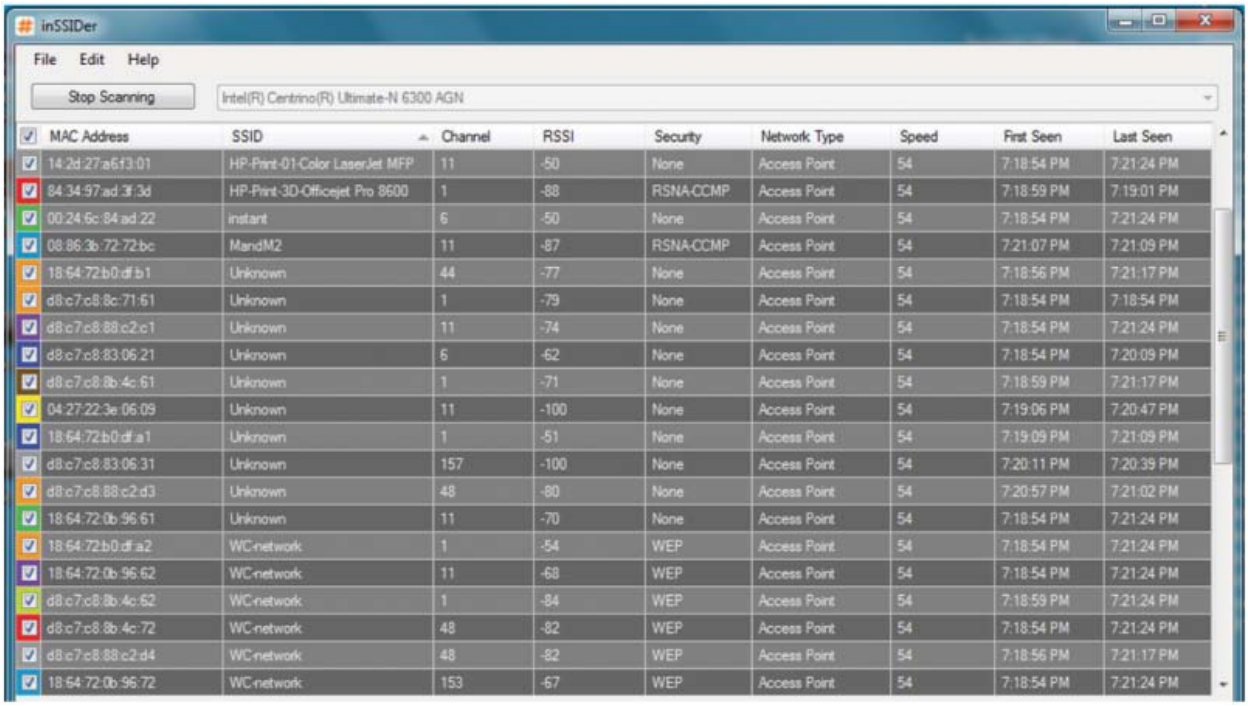
As defined by the 802.11-2012 standard, which of these authentication methods can be used by a client station to establish a pairwise master key security association (PMKSA)?
(Choose all that apply.)
Response:

A. PSK authentication
B. WEP authentication
C. 802.1X/EAP authentication
D. Open authentication
E. SAE authentication

Answer: A,C,E

Question: 6

This graphic shows a WLAN discovery tool screen capture. How many SSIDs are configured with cloaking enabled?
(Choose all that apply.)



MAC Address	SSID	Channel	RSSI	Security	Network Type	Speed	First Seen	Last Seen
14:2d:27:a6:f3:01	HP-Print-01-Color LaserJet MFP	11	-50	None	Access Point	54	7:18:54 PM	7:21:24 PM
84:34:97:ad:3f:3d	HP-Print-3D-Officejet Pro 8600	1	-88	RSNA-CCMP	Access Point	54	7:18:59 PM	7:19:01 PM
00:24:6c:84:ad:22	instant	6	-50	None	Access Point	54	7:18:54 PM	7:21:24 PM
08:86:3b:72:72:bc	MandM2	11	-87	RSNA-CCMP	Access Point	54	7:21:07 PM	7:21:09 PM
18:64:72:b0:df:b1	Unknown	44	-77	None	Access Point	54	7:18:56 PM	7:21:17 PM
d8:c7:c8:8c:71:61	Unknown	1	-79	None	Access Point	54	7:18:54 PM	7:18:54 PM
d8:c7:c8:88:c2:c1	Unknown	11	-74	None	Access Point	54	7:18:54 PM	7:21:24 PM
d8:c7:c8:83:06:21	Unknown	6	-62	None	Access Point	54	7:18:54 PM	7:20:09 PM
d8:c7:c8:8b:4c:61	Unknown	1	-71	None	Access Point	54	7:18:59 PM	7:21:17 PM
04:27:22:3e:06:09	Unknown	11	-100	None	Access Point	54	7:19:06 PM	7:20:47 PM
18:64:72:b0:df:a1	Unknown	1	-51	None	Access Point	54	7:19:09 PM	7:21:09 PM
d8:c7:c8:83:06:31	Unknown	157	-100	None	Access Point	54	7:20:11 PM	7:20:39 PM
d8:c7:c8:88:c2:d3	Unknown	48	-80	None	Access Point	54	7:20:57 PM	7:21:02 PM
18:64:72:0b:96:61	Unknown	11	-70	None	Access Point	54	7:18:54 PM	7:21:24 PM
18:64:72:b0:df:a2	WC-network	1	-54	WEP	Access Point	54	7:18:54 PM	7:21:24 PM
18:64:72:0b:96:62	WC-network	11	-68	WEP	Access Point	54	7:18:54 PM	7:21:24 PM
d8:c7:c8:8b:4c:62	WC-network	1	-84	WEP	Access Point	54	7:18:59 PM	7:21:24 PM
d8:c7:c8:8b:4c:72	WC-network	48	-82	WEP	Access Point	54	7:18:54 PM	7:21:24 PM
d8:c7:c8:88:c2:d4	WC-network	48	-82	WEP	Access Point	54	7:18:56 PM	7:21:17 PM
18:64:72:0b:96:72	WC-network	153	-67	WEP	Access Point	54	7:18:54 PM	7:21:24 PM

Response:

A. None
B. At least ten
C. One
D. Ten
E. Exact number cannot be determined

Answer: B,D

Question: 7

This graphic shows a packet capture of a successful 802.11 authentication. In which of the following types of client connections could this authentication not occur?
(Choose all that apply.)

Source	Destination	BSSID	Protocol
Aironet Wireles...	Cisco:0D:4B:6A	Cisco:0D:4B:6A	802.11 Auth
Cisco:0D:4B:6A	Aironet Wireless Comm:A3:9E:92		802.11 Ack
Cisco:0D:4B:6A	Aironet Wireless Comm:A3:9E:92	Cisco:0D:4B:6A	802.11 Auth
Aironet Wireles...	Cisco:0D:4B:6A		802.11 Ack
Aironet Wireles...	Cisco:0D:4B:6A	Cisco:0D:4B:6A	802.11 Auth
Cisco:0D:4B:6A	Aironet Wireless Comm:A3:9E:92		802.11 Ack
Cisco:0D:4B:6A	Aironet Wireless Comm:A3:9E:92	Cisco:0D:4B:6A	802.11 Auth
Aironet Wireles...	Cisco:0D:4B:6A		802.11 Ack

Response:

A. 802.1X/EAP
B. WEP with Shared Key authentication
C. WEP with Open System authentication
D. Open System authentication with WEP

Answer: A,C,D

Question: 8

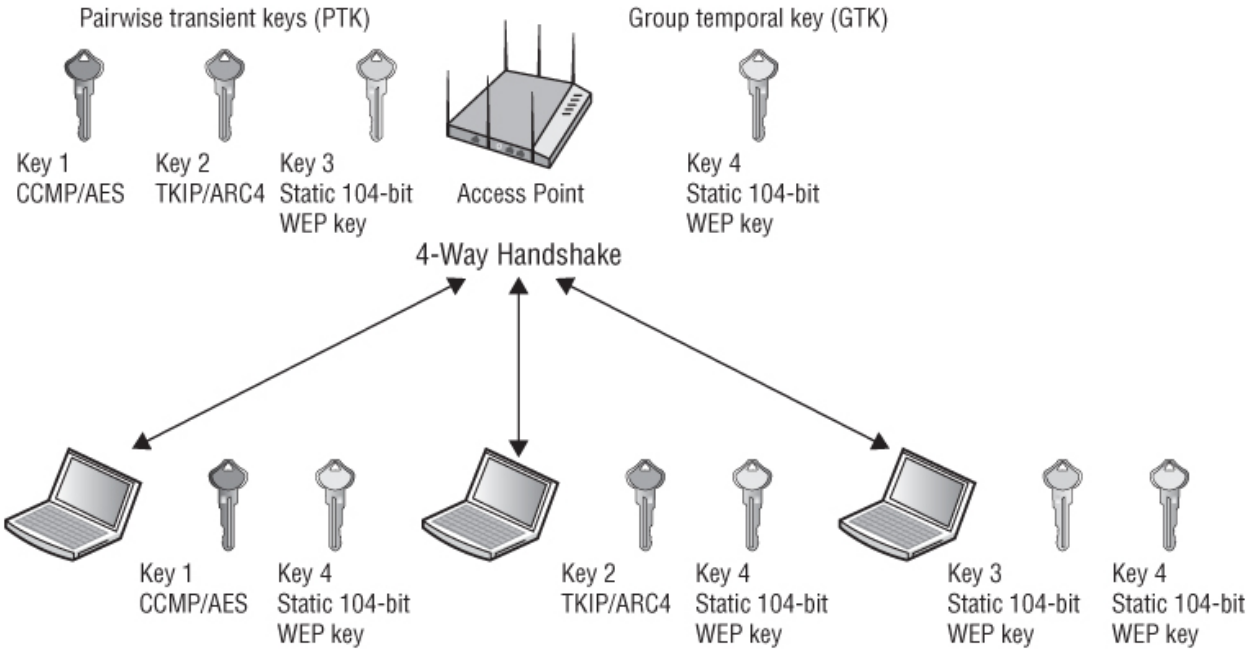
In a robust security network (RSN), which 802.11 management frames are used by an access point to inform client STAs about the RSNA security capabilities of the access point and effectively the BSS? (Choose all that apply.)
Response:

A. Beacon management frame
B. Probe request frame
C. Probe response frame
D. Association request frame
E. Reassociation response frame
F. Reassociation request frame
G. Association response frame

Answer: A,C

Question: 9

What type of WLAN security is depicted by this graphic?



Response:

A. RSN
B. TSN
C. VPN
D. WPS
E. WMM

Answer: B

Question: 10

Given: You have implemented strong authentication and encryption mechanisms for your enterprise 802.11 WLAN using 802.1X/EAP with AES-CCMP.
For users connecting within the headquarters office, what other security solution will provide continuous monitoring of both clients and APs with 802.11-specific tracking?
Response:

A. IPSec VPN client and server software
B. Internet firewall software
C. Wireless intrusion prevention system
D. WLAN endpoint agent software
E. RADIUS proxy server

Answer: C

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