# 日本市場向け

## Cisco Wireless LAN Controller 8.10 , Cisco IOS XE 16.12 and Cisco Mobility Express 8.10

# システム リリース テスト結果サマリ

テスト結果サマリ

シスコシステムズ合同会社

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# コンポーネント一覧 (1)

| カテゴリ | コンポーネント | バージョン |
|---|---|---|
| Controller | Wireless LAN Controller 8540 | 8.10.105.0 |
| | Wireless LAN Controller 5520 | 8.10.105.0 |
| | Wireless LAN Controller 3504 | 8.10.105.0 |
| | 9800 Controller | 16.12.1 |
| | Virtual Controller | 8.10.105.0 |
| | CME 4800/3800/2800/1800/1562 | 8.10.105.0 |
| Applications | Prime Infrastructure(Virtual Appliance, UCS based) | 3.7.0.159 |
| | ISE(Virtual Appliance) | 2.6 |
| | APIC-EM Controller Appliance | 1.6 |
| | MSE(Physical (3365),VM) | 8.0.140.0 |
| | DNAC | 1.3.2 |
| | Cisco Jabber for Windows, iPhone | 12.6.0 |
| | Cisco Air Provisioning App | 1.4 |
| | CMX 3375 (Physical Appliance) | 10.6 |

# コンポーネント一覧 (2)

| カテゴリ | コンポーネント | バージョン |
|---|---|---|
| Access Points | Cisco AP 3700 | 15.3 |
| | Cisco AP 2700 | 15.3 |
| | Cisco AP 1700 | 15.3 |
| | Cisco AP 1570 | 15.3 |
| | Cisco AP 1562 | 15.3 |
| | Cisco AP 1540/1530 | 15.3 |
| | Cisco AP 702I | 15.3 |
| | Cisco AP 1850 | 15.3 |
| | Cisco AP 1815W/1815I | 15.3 |
| | Cisco AP 1810 / 1830 | 15.3 |
| | Cisco AP 4800/3800/2800 | 15.3 |
| | Cisco AP 9115 | 15.3 |
| | Cisco AP 9120 | 15.3 |
| | Cisco 1100 ISR | 16.12 |

# コンポーネント一覧 (3)

| カテゴリ | コンポーネント | バージョン |
|---|---|---|
| Switch | Cisco Catalyst 6509-E | 15.1(1)SY1 |
| | Cisco 3750V2 Switch | 15.0(2)SE2 |
| | Cisco Catalyst 9300 Switch | 16.11.1 |
| Chipset | 5300, 6300 AGN | 15.18.0.1 |
| | 7265 AC | 21.40.2 |
| | Airport Extreme | 7.9.1 |
| Clients | Operating System(JOS) | Windows 7 Enterprise<br>Windows 8 & 8.1 Enterprise<br>Windows XP Professional<br>Windows 10 |
| | Apple Mac Book Pro (JP Locale) | Mac OS 10.15 |
| | iPad Pro | iOS 13.1.3 |
| | iPhone 6, 6S & 7,10 (JP Locale) | iOS 13.1.3 |
| | Samsung Galaxy S4 & S7, S10,Nexus 6P, Sony Xperia XZ | Android 9.0 Pie |
| | Wireless IP Phone 8821 | 11-0-5MN-102 |

# コンポーネント一覧 (4)

| カテゴリ | コンポーネント | バージョン |
|---|---|---|
| Active Directory | AD | Windows 2008R2Enterprise |
| Browsers | IE | 11.0 |
| | Mozilla Firefox | 69.0 |
| | Safari | 13.0 |
| | Chrome | 77.0 |
| Clients | Cisco AnyConnect VPN Client | 4.8.175 |
| | End points | Windows 7 Enterprise<br>Apple Mac OS 10.14.2<br>Windows 8, 8.1 & 10<br>iPhone 6,6S & 7,10<br>Samsung Galaxy S4, S7,S10<br>& Nexus 6P |
| Antenna | Hyperlocation | NA |
| Access Point | Autonomous AP | 15.3.3-JI3 |

# 新規機能 – AireOS

- AireOS AP Accounting

- CPU ACL

- Indoor Mesh

- Master key WLC Encryption

- OWE Support

- ATF Wave 2

- WPA3 Support

- Per AP Group NTP Server Config

- Flexconnect Post Auth ACL Per WLAN

- ATF for All Modes(Mesh and ME)

- Intelligent Capture for 1850 AP

- Intelligent Capture for 9115 AP

- Nbar Upgrade

- Password Encryption in running Configuration

- Support of Trap notification via SNMP3

- RSSI and SNR in ASSOC request

- DNA Spaces

- DNAC Assurance

- Browser Rendering Coverage

# 既存機能(1) – AireOS

- Assurance – Sensor Client On-Boarding Failures & Times – WebAuth

- LAG support in Flexconnect

- Assurance – Sensor test Configuration – 11b, 11ac, # of spatial stream, certain 802.11 protocol

- Reboot APs by groups

- Support for AP4800

- DNS Pre-auth ACLs Wave 2 Aps

- Intelligent Capture using AP 2800/3800/4800

- Split Tunneling Support

- WGB Support for COS AP

- 802.1x on Wave 2  AP (EAP -TLS, EAP-PEAP)

- MAB Bypass Support

- Passpoint R2 Flex Mode

# 既存機能(2) − AireOS

- Passive Client ARP Unicast

- Selective Reanchor

- Network Assurance

- Multiple RADIUS server per SSID

- Dot1x and Web-Auth

- Autonomous AP

- Flex Video stream

- Hyperlocation Module supports for AP 37XX

- Domain Based URL ACL

- ATF on Mesh

- EoGRE Tunnel Priority / Fallback

- TrustSec Enhancements

- Facebook Wifi

- Location Analytics

# 既存機能(3) – AireOS

- Internal DHCP Server – 3504 WLC

- HA WLC Auth/Authz

- DHCP Option 82 – Google

- Client Auth Failures(AAA Failures/WLC Failures)

- MIMO Coverage

- Flexconnect IOS Parity: AAA Override bi-directional rate limit per client/BSSID

- Flexconnect IOS Parity: AAA Override of VLAN Name template

- Better HA Monitoring and Management

- Limit clients per WLAN/Radio

- MFP support

- CMX Support

- IPv4 DNS Filtering for BYoD

- Aging Cases

- iPSK Local Switching

- 1815 RLAN Features

# FY19Q3 & Q4SR に関する試験項目(1)

- wlc-vm-infra

- ap-trustsec

- wlc-forwarding

- wlc-policy-byod

- platform

- dna_assurance

- wlc-aaa-infra

- wlc-rrm

- wlc-web

- config-wireless

- config

- wlc-policy-byod

- wlc-wips-rogue

- credential_profile

- wlc-rrm

- wlc-docs

- ap-oeap

- ap-crash

# FY19Q3 & Q4SR に関する試験項目(2)

- ap-radio

- connect

- ap-flex

- wlc-ha

- wlc-hreap

- eWLC

- Mse

- WLC

- web-ui-wired

- ap-client

- upgrade

- Docs

- wlc-wlan

- ap-dot11-qca

- ap-datapath

- wlc-client-interop

- ap-hreap

- wlc-capwap

- wlc-dot1x-wpa

# 新規機能 – CME

- ME Config download Enhancement

- ME Day0 Elimination

- Mesh support on ALL Indoor wave 2 APS including
  ME

# 既存機能(1) − CME

- Captive Portal with Internal, External

- TACACS

- Hotspot 2.0

- Mac filtering (for L2 security)

- AVC(AppRF)

- Lobby Ambassador

- Syslogs

- NAT

- Rogue AP

- ACL

- Internal DHCP Server

- DNS Based ACL Rules

- OpenDNS

- CME Crashes(DHCP/Troubleshootings)

- Client Auth Failures(AAA Failures/WLC Failures)

# 既存機能(2) − CME

- Intra/Inter WLC Roaming Failures(Ping Pong Issues)

- Master AP Failover Issues

- TLS Tunnel

- Maximum number of clients per WLAN/radio

- SNMP trap receivers

- CWA (Central Web Authentication)

- Bidirectional rate limit per client

- AAA Override of VLAN Name-id template

- iPSK with P2P Blocking

- 802.1x support with EAP-TLS and EAP-PEAP

- Dynamic OUI update

- Software update using SFTP

- Import EAP certificate

- Capwap Image Conversion

- No reboot of AP when AP joins AP group

# 既存機能(3) – CME

- ME AP convert to CAPWAP via DHCP Option

- DNAC Support for ME

- CMX Support

- Aging Test Cases

- AP 4800 support

- SFTP  Domain Name support

- ME GUI – MC2UC (Videostreaming)

- mDNS Support

- EoGRE Support on ME

- Schedule WLAN Support

- Optimized Roaming

- 1815 RLAN Features (including ME)

- Intelligent Capture

- Efficient AP join

- Authentication Survivability Support

- Passpoint Maintenance Support

# FY19Q3 SR に関する試験項目

- ap-datapath

- ap-dot11-mvl

- ap-capwap

- ap-platform-qca

- apic_wireless_maps

- ap-rrm

- ap-flex-auth

- ap-flex

# 新規機能 – IOS XE

- Intelligent Capture for 1850 AP

- ATF for All Modes

- ATF support for Wave-2 Aps

- WPA3 Support

- OWE Support

- Best Practices WebUI

# 既存機能(1) – IOS XE

- Assurance – Sensor Client On-Boarding Failures & Times – WebAuth

- Assurance – Sensor test Configuration

- New WLC 9800 support

- N + 1 Rolling AP Upgrade for full Controller Image upgrade

- SFTP Support

- Static Anchor WGB

- Lobby Ambassador

- Reboot APs by groups

- Support for AP4800

- Intelligent Capture using AP 2800/3800/4800

- Split Tunneling Support

- WGB Support for COS AP

- 802.1x on Wave 2 AP (EAP –TLS, EAP-PEAP)

- MAB Bypass Support

# 既存機能(2) – IOS XE

- Passpoint R2 Flex Mode

- Passive Client ARP Unicast

- Selective Reanchor

- Network Assurance

- Dot1x and Web-Auth

- Flex Video stream

- Hyperlocation Module supports for AP 37XX

- Domain Based URL ACL

- ATF on Mesh

- EoGRE Tunnel Priority / Fallback

- TrustSec Enhancements

- Facebook Wifi

- Location Analytics

- HA WLC Auth/Authz

- DHCP Option 82 - Google

# 既存機能(3) – IOS XE

- Client Auth Failures(AAA Failures/WLC Failures)

- MIMO Coverage

- Limit clients per WLAN/Radio

- CMX Support

- Aging Cases

- 1815 RLAN Features

- Ethernet VLAN tag on AP

- Captive Portal with Internal, External

- TACACS

- Mac filtering (for L2 security)

- Lobby Ambassador

- Syslogs

- NAT

- Rogue AP

- ACL

# 既存機能(4) − IOS XE

- Internal DHCP Server

- DNS Based ACL Rules

- OpenDNS

- CME Crashes(DHCP/Troubleshootings)

- Intra/Inter WLC Roaming Failures(Ping Pong Issues)

- Master AP Failover Issues

- TLS Tunnel

- Maximum number of clients per WLAN/radio

- SNMP trap receivers

- AAA Override of VLAN Name-id template

- iPSK with P2P Blocking

- Software update using SFTP

- Capwap Image Conversion

# 既存機能(5) – IOS XE

- ME AP convert to CAPWAP via DHCP Option

- DNAC Support for ME

- CMX Support

- SFTP  Domain Name support

- ME GUI – MC2UC (Videostreaming)

- mDNS Support

- EoGRE Support on ME

- Optimized Roaming

- Authentication Survivability Support

- Passpoint Maintenance Support

- Intelligent Capture

- Efficient AP join

# 検証結果 – AireOS

| 対象コンポーネント | テスト項目 | 合格 | 不合格(*) | 不具合(*) |
|:---:|:---:|:---:|:---:|:---:|
| 新規機能 | 572 | 467 | 11 | 11 |
| 既存機能 | 988 | 957 | 25 | 25 |
| FY19Q3&Q4SRに関する試験項目 | 139 | 138 | 1 | 1 |
| 合計 | **1699** | **1562** | **37** | **37** |

# 検証結果 – CME

| 対象コンポーネント | テスト項目 | 合格 | 不合格(*) | 不具合(*) |
|---|---|---|---|---|
| 新規機能 | 55 | 44 | 1 | 1 |
| 既存機能 | 643 | 635 | 8 | 8 |
| FY19Q3SRに関する試験項目 | 46 | 46 | 0 | 0 |
| 合計 | 744 | 725 | 9 | 9 |

# 検証結果 – IOS XE

| 対象コンポーネント | テスト項目 | 合格 | 不合格(*) | 不具合(*) |
|:---:|:---:|:---:|:---:|:---:|
| 新規機能 | 279 | 196 | 14 | 14 |
| 既存機能 | 1147 | 1123 | 24 | 24 |
| **合計** | **1426** | **1319** | **38** | **38** |

# Open Caveats – AireOS

| DDTS ID | タイトル | Severity | 製品 | 機能/<br>コンポーネント | ステータス |
|---------|---------|----------|------|-----------------------|-----------|
| CSCvr82264 | AP 3802 Crashed due Systemd critical process crash | 2 | click-ap | ap-sys-infra | 未改修 |
| CSCvp98478 | 1562 AP got crashed After upgrading WLC | 2 | click-ap | ap-dot11-mv1 | 未改修 |
| CSCvr33062 | Samsung s10 client not able to connect to the WPA2+WPA3-SAE+PSK+FT PSK+PSK-SHA2 Mixed mode. | 2 | click-ap | ap-dot11-bcm | 未改修 |
| CSCvq37536 | Flex AVC rules are not deployed to WLC from PI | 3 | wlc | wlc-nbar | 未改修 |
| CSCvq24204 | Getting false beacon stuck logs for both radio 0 and radio 1 in AP 9115AX | 3 | click-ap | ap-dot11-bcm | 未改修 |
| CSCvr33178 | OWE-TM settings under open WLAN gets discarded after editing the enhanced open WLAN configurations | 3 | wlc | wlc-web | 未改修 |

# Open Caveats – AireOS

| DDTS ID | タイトル | Severity | 製品 | 機能/コンポーネント | ステータス |
|---------|---------|----------|------|----------------------|-----------|
| CSCvr60426 | Not able to configure the Radius NAC after configuring the Tunneling profile. | 3 | wlc | wlc-web | 未改修 |

# Resolved Caveats - AireOS

| DDTS ID | タイトル | Severity | 製品 | 機能/<br>コンポーネント | ステータス |
|---|---|---|---|---|---|
| CSCvp51557 | System crash happend while configuring min and max polling intervals in NTP | 2 | wlc | wlc-web | 改修済 |
| CSCvp59502 | Controller reloads unexpectedly during de-authenticating client in multiple times[10-15] on UI page | 2 | wlc | wlc-web-Spartan | 改修済 |
| CSCvp94967 | Policy type Mismatch in client when Local Authentication enabled | 2 | ap | ap-hreap | 改修済 |
| CSCvq54175 | System got crashed due to "commandConfigVapSplitTunnel+448" | 2 | wlc | wlc-hreap | 改修済 |
| CSCvq55777 | Controller crashed due to spamReceiveTask | 2 | wlc | wlc-capwap | 改修済 |

# Resolved Caveats - AireOS

| DDTS ID | タイトル | Severity | 製品 | 機能/<br>コンポーネント | ステータス |
|---|---|---|---|---|---|
| CSCvq66507 | Controller crashed on configuring NTP server | 2 | wlc | wlc-dot1x-wpa | 改修済 |
| CSCvq18615 | OWE Transition mode and Open SSID aren't configuring after Downloaded the Configuration file | 3 | wlc | wlc-dot1x-wpa | 改修済 |
| CSCvq23619 | Documentation issue for AP 9115AX | 3 | click-ap | documentation | 改修済 |
| CSCvq40750 | AP9115 crashed while upgrading WLC with 2 different images(8.10.104.63,8.10.204.21) | 3 | click-ap | ap-platform-bcm | 改修済 |
| CSCvr40861 | WPA2 security policy is showing for WPA3-802.1x clients. | 3 | wlc | wlc-dot1x-wpa | 改修済 |

# Resolved Caveats - AireOS

| DDTS ID | タイトル | Severity | 製品 | 機能/<br>コンポーネント | ステータス |
|---|---|---|---|---|---|
| CSCvq48510 | Unable to enable mesh battery state from WLC CLI | 3 | Wlc | wlc-docs | 改修済 |
| CSCvr16538 | UI status showing wrong after device provisioned successfully | 3 | enterprise_sdn | prov-wireless | 改修済 |
| CSCvr14947 | WLAN security page redirecting to None security page after configuring the WPA3-SAE security | 3 | wlc | wlc-web | 改修済 |
| CSCvr55261 | Unable to create guest user with auto generated password having special character "double quotes" | 3 | wlc | wlc-web | 改修済 |
| CSCvr62028 | Documentation issue for Interim Interval in WLC | 3 | wlc | wlc-doc | 改修済 |

# Open Caveats – IOS XE

| DDTS ID | タイトル | Severity | 製品 | 機能/<br>コンポーネント | ステータス |
|---|---|---|---|---|---|
| CSCvp90962 | AAA method list-name accepting invalid input in eWLC CLI. | 3 | ewlc | ewlc-aaa | **未改修**<br>**17.1で修正** |
| CSCvr31372 | Configured Preferred master is not showing in Monitoring Page | 3 | ewlc | web-ui-wireless | **未改修** |
| CSCvr78271 | Not able to perform HTTP/HTTPS secure mode configuration in eWLC UI | 3 | ewlc | web-ui-wireless | **未改修**<br>**（17.1で修正）** |
| CSCvr63290 | Samsung s10 client not able to connect to the 3702 AP with WPA2+WPA3 Mixed mode. | 3 | ap | ap-client | **未改修** |
| CSCvr70785 | Not able to configure http/https web secure mode in Best practice page | 3 | ewlc | web-ui-wireless | **未改修** |

# Open Caveats – IOS XE

| DDTS ID | タイトル | Severity | 製品 | 機能/<br>コンポーネント | ステータス |
|---|---|---|---|---|---|
| CSCvq35277 | Need to remove Sensor mode support for this AP model C9115AXI-D | 3 | ewlc | web-ui-wireless | 未改修 |
| CSCvq39055 | Able to enable the WLAN with out configuring the Pre-shared key for PMF-PSK. | 3 | ewlc | ewlc-client | 未改修 |
| CSCvq45149 | Able to configure ATF optimization in monitor mode | 3 | ewlc | ewlc-rrm | 未改修 |
| CSCvr51021 | Getting error popup while changing Flexconnect/Local to Bridge or Flex+Brige AP mode in PI | 3 | click-ap | ap-capwap | 未改修 |
| CSCvr63038 | Clean Air NSI key is not showing for AP in eWLC-- not seen in oper table | 3 | ewlc | ewlc-rrm | 未改修 |

# Open Caveats – IOS XE

| DDTS ID | タイトル | Severity | 製品 | 機能/<br>コンポーネント | ステータス |
|---|---|---|---|---|---|
| CSCvr14732 | Bridge mode not reflecting when APC9115AXI-D mode changed from flex to Bridge in eWLC UI | 3 | ewlc | ewlc-ap | 未改修 |
| CSCvr31335 | Preferred Master AP reboots when selected with Convert to CAPWAP option. | 3 | ewlc | web-ui-wireless | 未改修 |
| CSCvr31441 | Accounting Identity list name has no restriction in eWLC CLI | 3 | ewlc | ewlc-aaa | 未改修 |

# Resolved Caveats – IOS XE

| DDTS ID | タイトル | Severity | 製品 | 機能/<br>コンポーネント | ステータス |
|---|---|---|---|---|---|
| CSCvp96838 | eWLC Controller crashed @ linux_iosd-image has been held down (rc 139) | 2 | ewlc | ewlc-upgrade | 改修済 |
| CSCvq37633 | Wired clients are not displaying in eWLC UI | 2 | ewlc | ewlc-client | 改修済 |
| CSCvp78775 | While adding Policy Map-Local Policy in Move To option Ok button is not working in eWLC UI | 3 | ewlc | web-ui-wireless | 改修済 |
| CSCvq01705 | Not able to modify the WLAN with static wep security. | 3 | ewlc | web-ui-wireless | 改修済 |
| CSCvq33289 | WLAN is created and saved successfully without PSK while configuring FT+PSK | 3 | ewlc | web-ui-wireless | 改修済 |

# Resolved Caveats – IOS XE

| DDTS ID | タイトル | Severity | 製品 | 機能/<br>コンポーネント | ステータス |
|---|---|---|---|---|---|
| CSCvq63217 | Media stream Clients are not showing in eWLC GUI (caused by TDL Model change CSCvj79379) | 3 | ewlc | web-ui-wireless | 改修済 |
| CSCvq60933 | While enabling the OWE AKM AES is disabled | 3 | ewlc | web-ui-wireless | 改修済 |
| CSCvo85672 | User can able to enable the Optimization for the monitor mode profiles in CLI | 3 | ewlc | ewlc-rrm | 改修済 |
| CSCvp88842 | Able to configure the PSK with OSEN security in CLI. | 3 | ewlc | ewlc-sp-wifi | 改修済 |
| CSCvr35036 | Need validation on session announcement phone textbox. | 3 | ewlc | web-ui-wireless | 改修済 |

# Resolved Caveats – IOS XE

| DDTS ID | タイトル | Severity | 製品 | 機能/<br>コンポーネント | ステータス |
|---|---|---|---|---|---|
| CSCvq14560 | Rogue AP rules after creating shows empty | 3 | ewlc | web-ui-wireless | 改修済 |
| CSCvq29075 | BP - 2.4GHz Low Data Rates manual Configuration link redirected to 5GHz Band | 3 | ewlc | web-ui-wireless | 改修済 |

# Resolved Caveats – CME

| DDTS ID | タイトル | Severity | 製品 | 機能/<br>コンポーネント | ステータス |
|---|---|---|---|---|---|
| CSCvq53705 | ME UI not operational due to "error in setting port number" | 3 | mobexp | wlc-web | 改修済 |
| CSCvq39003 | Not able to change the Security type from Enhanced Open to Personal WPA3 | 3 | mobexp | wlc-web | 改修済 |
| CSCvq39168 | Access type is redirecting to WPA2 Enterprise even configured with WPA2 Personal | 3 | mobexp | wlc-web | 改修済 |
| CSCvq57979 | Not able to upload and download the configuration file from CME CLI by using FTP | 3 | mobexp | wlcap-flex | 改修済 |

# Limitation Caveats - CME

| DDTS ID | タイトル | Severity | 製品 | 機能/<br>コンポーネント | ステータス |
|---|---|---|---|---|---|
| CSCvq45042 | Not able to add more than six RADIUS Servers in CME UI | 3 | mobexp | wlc-web | 改修済 |