

高エネルギー加速器研究機構 殿向け
入射器棟内ネットワーク
NW増強導入作業 他
完成図書

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住友電設株式会社
情報通信システム事業部

版 履 歴

改版履歴表

版数	日付	変更内容	作成者
1.0	2006/9/9	1.0 版 作成	宮西

1. 概要

本件の概要について以下に示す。

導入場所

〒300-1295 茨城県つくば市大穂1 - 1 文部科学省 高エネルギー加速器研究機構 入射器棟

ご担当者様

古川 様

導入日時

2007/8/2(木)

導入機器

ARUBA 社製 AP65無線アクセスポイント × 8台

BUFFALO 社製 POE パワーインジェクタ × 8台

導入担当

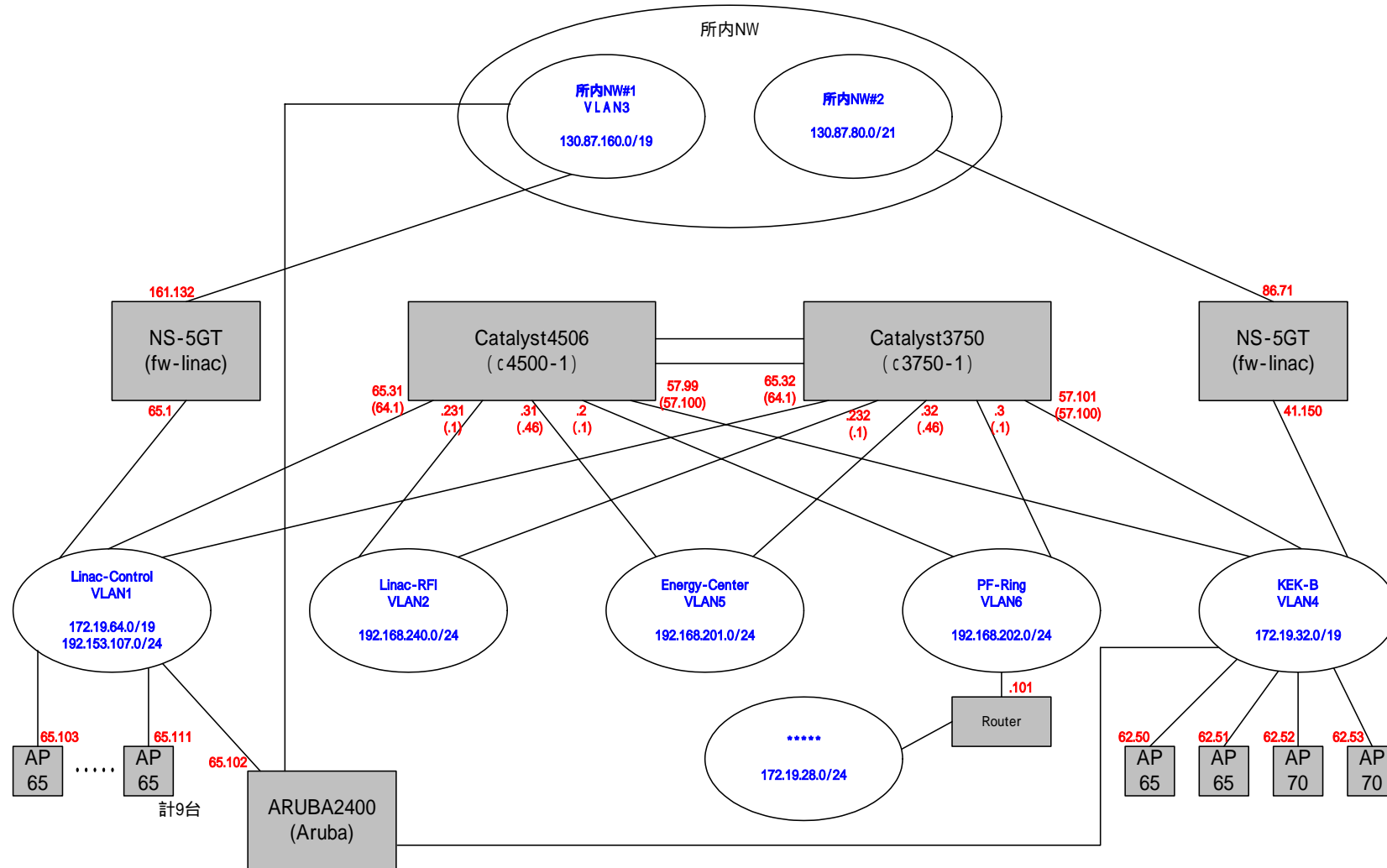
住友電設(株) 情報通信システム事業部 宮西, 関口

2. 導入内容

- ・ 入射器棟内無線ネットワーク(既存でアクセスポイント2台設置済み)をさらに 7 台追加し、入射器棟全体で無線ネットワークにアクセスできるようにするためのネットワーク増強工事である。
- ・ 既存で入射器棟マシン室に設置済みの ARUBA2400 配下として無線アクセスポイント7台を追加する。
- ・ 1台のアクセスポイント及び PoE パワーインジェクタは予備品として納品する。
- ・ A-2 セクタの L2 スイッチ (c2950-13)のみ接続 VLAN のポートに空きがなかったため、VLAN 設定変更によりポートを確保した。

以上

3. ネットワーク論理構成図



4 . 無線アクセスポイント設置図

5 . ネットワーク接続表

無線AP接続

スイッチ側接続		PoEスイッチ側接続			無線AP側		
機器ホスト名	インターフェース	インターフェース	機器ホスト名	インターフェース	機器ホスト名	機器IPアドレス	設置位置
c2950-20	Fa0/19	IN	poesw-l1	OUT	aruba-l1	172.19.65.103	入射器棟2-6セクタ
c2950	Fa0/17	IN	poesw-l2	OUT	aruba-l2	172.19.65.104	入射器棟Rセクタ
c2950-13	Fa0/21	IN	poesw-l3	OUT	aruba-l3	172.19.65.105	入射器棟A-2セクタ
c2950-15	Fa0/19	IN	poesw-l4	OUT	aruba-l4	172.19.65.106	入射器棟B-5セクタ
c2950-16	Fa0/19	IN	poesw-l5	OUT	aruba-l5	172.19.65.107	入射器棟C-6セクタ
c2950-18	Fa0/19	IN	poesw-l6	OUT	aruba-l6	172.19.65.108	入射器棟1-6セクタ
c2950-22	Fa0/19	IN	poesw-l7	OUT	aruba-l7	172.19.65.109	入射器棟3-6セクタ
c2950-24	Fa0/19	IN	poesw-l8	OUT	aruba-l8	172.19.65.110	入射器棟4-6セクタ
c2950-26	Fa0/19	IN	poesw-l9	OUT	aruba-l9	172.19.65.111	入射器棟5-6セクタ
Buffalo-SW	Port7	IN	poesw-b1	OUT	aruba-b1	172.19.62.50	コントロール棟マシン室
Planex-SW	Port2	IN	poesw-b2	OUT	aruba-b2	172.19.62.51	コントロール棟 D7別棟
c2950	Fa0/5	IN	poesw-b3	OUT	aruba-b3	172.19.62.52	富士実験棟トンネル 入り口側
c2950	Fa0/6	Port1	御支給品 POE-SW	Port2	aruba-b4	172.19.62.53	富士実験棟トンネル

6 . 機器管理表

IPアドレス	設置場所	機器名称	機器型番	Serial No.	Software Version LocationID(AP)	Host Name	備考
172.19.65.105	入射器棟A-2セクタ	ARUBA-AP65 無線アクセスポイント	AP-65	A90046462	1.1.3	aruba-l3	MAC/00:0b:86:cc:4f:c8
172.19.65.106	入射器棟B-5セクタ	ARUBA-AP65 無線アクセスポイント	AP-65	A90046498	1.1.4	aruba-l4	MAC/00:0b:86:cc:50:10
172.19.65.107	入射器棟C-6セクタ	ARUBA-AP65 無線アクセスポイント	AP-65	A90053336	1.1.5	aruba-l5	MAC/00:0b:86:cc:85:7c
172.19.65.108	入射器棟1-6セクタ	ARUBA-AP65 無線アクセスポイント	AP-65	A90046537	1.1.6	aruba-l6	MAC/00:0b:86:cc:50:5e
172.19.65.109	入射器棟2-6セクタ	ARUBA-AP65 無線アクセスポイント	AP-65	A90053343	1.1.7	aruba-l7	MAC/00:0b:86:cc:85:8a
172.19.65.110	入射器棟3-6セクタ	ARUBA-AP65 無線アクセスポイント	AP-65	A90046464	1.1.8	aruba-l8	MAC/00:0b:86:cc:4f:cc
172.19.65.111	入射器棟4-6セクタ	ARUBA-AP65 無線アクセスポイント	AP-65	A90053331	1.1.9	aruba-l9	MAC/00:0b:86:cc:85:72
172.19.65.112	(予備)	ARUBA-AP65 無線アクセスポイント	AP-65	A90046500	1.1.10	aruba-l10	MAC/00:0b:86:cc:50:14
---	入射器棟A-2セクタ	buffalo POEパワーインジェクタ	BIJ-POE-1PR	36468074412283G	---	poesw-l3	---
---	入射器棟B-5セクタ	buffalo POEパワーインジェクタ	BIJ-POE-1PR	36468074412238G	---	poesw-l4	---
---	入射器棟C-6セクタ	buffalo POEパワーインジェクタ	BIJ-POE-1PR	36468074412252G	---	poesw-l5	---
---	入射器棟1-6セクタ	buffalo POEパワーインジェクタ	BIJ-POE-1PR	36468074410739G	---	poesw-l6	---
---	入射器棟2-6セクタ	buffalo POEパワーインジェクタ	BIJ-POE-1PR	36468074410661G	---	poesw-l7	---
---	入射器棟3-6セクタ	buffalo POEパワーインジェクタ	BIJ-POE-1PR	36468074412344G	---	poesw-l8	---
---	入射器棟4-6セクタ	buffalo POEパワーインジェクタ	BIJ-POE-1PR	36468074411132G	---	poesw-l9	---
---	入射器棟5-6セクタ	buffalo POEパワーインジェクタ	BIJ-POE-1PR	36468074412276G	---	poesw-l10	---

Catalyst3750

機種: Catalyst3750G-24TS-S			VLAN No.										機種: Catalyst3750-24TS-S			VLAN No.													
StackID	Management IP Address	Port No.	Trunk	1	2	3	4	5	6					StackID	Management IP Address	Port No.	Trunk	1	2	3	4	5	6						
1	172.19.65.32/19	Gi1/0/1												2		Fa2/0/1													
		Gi1/0/2														Fa2/0/2													
		Gi1/0/3														Fa2/0/3													
		Gi1/0/4														Fa2/0/4													
		Gi1/0/5														Fa2/0/5													
		Gi1/0/6														Fa2/0/6													
		Gi1/0/7														Fa2/0/7													
		Gi1/0/8														Fa2/0/8													
		Gi1/0/9														Fa2/0/9													
		Gi1/0/10														Fa2/0/10													
		Gi1/0/11														Fa2/0/11													
		Gi1/0/12														Fa2/0/12													
		Gi1/0/13														Fa2/0/13													
		Gi1/0/14														Fa2/0/14													
		Gi1/0/15														Fa2/0/15													
		Gi1/0/16														Fa2/0/16													
		Gi1/0/17														Fa2/0/17													
		Gi1/0/18														Fa2/0/18													
		Gi1/0/19														Fa2/0/19													
		Gi1/0/20														Fa2/0/20													
		Gi1/0/21														Fa2/0/21													
		Gi1/0/22														Fa2/0/22													
		Gi1/0/23														Fa2/0/23													
		Gi1/0/24														Fa2/0/24													
1000SX-SFP		Gi1/0/25	channel-group 1													Gi2/0/1													
1000SX-SFP		Gi1/0/26	channel-group 1													Gi2/0/2													
		Gi1/0/27																											
		Gi1/0/28																											

VLAN ID	Name	Network Address
01	default	Primary: 172.19.65.32/19 Secondary: 192.153.107.10 /24
02	vlan2	192.168.240.232/24
03	vlan3	not assign
04	vlan4	172.19.57.101/19
05	vlan5	192.168.201.32/24
06	vlan6	192.168.202.3/24

8 . Config 情報

8 - 1 . c2950-13

```
----- show version -----
Cisco Internetwork Operating System Software
IOS (tm) C2950 Software (C2950-I6Q4L2-M), Version 12.1(22)EA1b, RELEASE
SOFTWARE (fc1)
Copyright (c) 1986-2004 by cisco Systems, Inc.
Compiled Tue 24-Aug-04 00:12 by yenanh
Image text-base: 0x80010000, data-base: 0x8055C000

ROM: Bootstrap program is C2950 boot loader

c2950-13 uptime is 11 weeks, 6 days, 20 hours, 20 minutes
System returned to ROM by power-on
System restarted at 17:28:46 JST Thu May 10 2007
System image file is "flash:/c2950-i6q4l2-mz.121-22.EA1b.bin"

cisco WS-C2950-24 (RC32300) processor (revision R0) with 20873K bytes of
memory.
Processor board ID FOC0902Z1FA
Last reset from system-reset
Running Standard Image
24 FastEthernet/IEEE 802.3 interface(s)

32K bytes of flash-simulated non-volatile configuration memory.
Base ethernet MAC Address: 00:13:19:C5:EF:40
Motherboard assembly number: 73-5781-13
Power supply part number: 34-0965-01
Motherboard serial number: FOC09020QQK
Power supply serial number: DAB0851NNR5
Model revision number: R0
Motherboard revision number: A0
Model number: WS-C2950-24
System serial number: FOC0902Z1FA
Configuration register is 0xF

----- show running-config -----

Building configuration...

Current configuration : 3778 bytes
!
! Last configuration change at 13:49:29 JST Thu Aug 2 2007
! NVRAM config last updated at 13:49:25 JST Thu Aug 2 2007
!
version 12.1
no service pad
service timestamps debug datetime msec localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
no service dhcp
!
hostname c2950-13
!
enable password 7 082243401D0B0A1B01
!
clock timezone JST 9
ip subnet-zero
!
no ip domain-lookup
!
!
spanning-tree mode pvst
no spanning-tree optimize bpdu transmission
spanning-tree extend system-id
spanning-tree uplinkfast
!
!
!
interface FastEthernet0/1
switchport access vlan 2
switchport mode access
spanning-tree portfast
```

```
!
interface FastEthernet0/2
switchport access vlan 2
switchport mode access
spanning-tree portfast
!
interface FastEthernet0/3
switchport access vlan 2
switchport mode access
spanning-tree portfast
!
interface FastEthernet0/4
switchport access vlan 2
switchport mode access
spanning-tree portfast
!
interface FastEthernet0/5
switchport access vlan 2
switchport mode access
spanning-tree portfast
!
interface FastEthernet0/6
switchport access vlan 2
switchport mode access
spanning-tree portfast
!
interface FastEthernet0/7
switchport access vlan 2
switchport mode access
spanning-tree portfast
!
interface FastEthernet0/8
switchport access vlan 2
switchport mode access
spanning-tree portfast
!
interface FastEthernet0/9
switchport access vlan 2
switchport mode access
spanning-tree portfast
!
interface FastEthernet0/10
switchport access vlan 2
switchport mode access
spanning-tree portfast
!
interface FastEthernet0/11
switchport access vlan 2
switchport mode access
spanning-tree portfast
!
interface FastEthernet0/12
switchport access vlan 2
switchport mode access
spanning-tree portfast
!
interface FastEthernet0/13
switchport access vlan 2
switchport mode access
spanning-tree portfast
!
interface FastEthernet0/14
switchport access vlan 2
switchport mode access
spanning-tree portfast
!
interface FastEthernet0/15
switchport access vlan 2
switchport mode access
spanning-tree portfast
!
interface FastEthernet0/16
switchport access vlan 2
switchport mode access
spanning-tree portfast
!
interface FastEthernet0/17
switchport access vlan 2
switchport mode access
spanning-tree portfast
```

```
!  
interface FastEthernet0/18  
switchport mode access  
spanning-tree portfast  
!  
interface FastEthernet0/19  
switchport mode access  
spanning-tree portfast  
!  
interface FastEthernet0/20  
switchport mode access  
spanning-tree portfast  
!  
interface FastEthernet0/21  
switchport mode access  
spanning-tree portfast  
!  
interface FastEthernet0/22  
switchport access vlan 3  
switchport mode access  
spanning-tree portfast  
!  
interface FastEthernet0/23  
switchport trunk allowed vlan 1-3,100  
switchport mode trunk  
!  
interface FastEthernet0/24  
switchport trunk allowed vlan 1-3,100  
switchport mode trunk  
!  
interface Vlan1  
ip address 172.19.65.53 255.255.224.0  
ip broadcast-address 172.19.95.255  
no ip route-cache  
!  
ip default-gateway 172.19.64.1  
ip http server  
snmp-server community controls RW  
snmp-server community public RO  
snmp-server trap-source Vlan1  
snmp-server chassis-id c2950-13  
snmp-server enable traps snmp warmstart coldstart  
snmp-server enable traps config  
snmp-server enable traps c2900  
snmp-server enable traps envmon fan shutdown supply temperature  
banner exec ^C  
*****  
HW : Catalyst2950-24  
Host Name : c2950-13  
Management IP : 172.19.65.53  
*****  
^C  
!  
line con 0  
password 7 104D061711051D071F  
login  
line vty 0 4  
password 7 00071C081049040A1C  
login  
line vty 5 15  
login  
!  
ntp clock-period 17179946  
ntp server 172.19.65.31  
!  
!  
monitor session 1 destination remote vlan 100 reflector-port Fa0/18  
end
```

8 - 2 . aruba

```
Hostname is Aruba
System Time: Fri Aug 3 04:08:59 JST 2007
Crash information available.
Reboot Cause: Power Failure.
show switchinfo
```

```
Hostname is Aruba
```

```
KEK-Linac
System Time: Fri Aug 3 04:08:59 JST 2007
```

```
Aruba Operating System Software.
ArubaOS (MODEL: Aruba2400), Version 2.5.5.2
Website: http://www.arubanetworks.com
Copyright (c) 2002-2007, Aruba Networks, Inc.
Compiled on 2007-06-17 at 16:31:39 PDT (build 15263) by p4build
```

```
ROM: System Bootstrap, Version CPBoot 1.1.5 (Aug 30 2004 - 16:24:48)
```

```
Switch uptime is 2 hours 26 minutes 8 seconds
Reboot Cause: Power Failure.
Supervisor Card
Processor (revision 16.20 (pvr 8081 1014)) with 256M bytes of memory.
32K bytes of non-volatile configuration memory.
256M bytes of Supervisor Card System flash (model=CF 256MB).
```

```
Config File: default.cfg
```

```
Boot Partition: PARTITION 1
```

```
VLAN1 is up line protocol is up
Hardware is CPU Interface, Interface address is 00:0B:86:41:A3:E0 (bia
00:0B:86:41:A3:E0)
Description: 802.1Q VLAN
Internet address is 172.19.65.102 255.255.224.0
Routing interface is enable, Forwarding mode is enabled
Directed broadcast is disabled
Encapsulation 802, loopback not set
MTU 1500 bytes
Last clearing of "show interface" counters 0 day 2 hr 26 min 8 sec
link status last changed 0 day 2 hr 25 min 19 sec
Auto Operstate up is enabled for this Interface
Tunnels Configured on this Interface:
```

```
4193 4202
```

```
switchrole:master
masterip:127.0.0.1
Configuration unchanged since last save
Crash information available.
Reboot Cause: Power Failure.
show image version
```

```
-----
Partition      : 0:0 (/dev/hda1)
Software Version : ArubaOS 2.5.4.8
Build number    : 13999
Label           : 13999
Built on        : 2007-01-23 16:25:29 PST
-----
```

```
Partition      : 0:1 (/dev/hda2) **Default boot**
Software Version : ArubaOS 2.5.5.2
Build number    : 15263
Label           : 15263
Built on        : 2007-06-17 16:31:39 PDT
```

```
show running-config
Building Configuration...
```

```
version 2.5
enable secret *****
enable *****
```

```
telnet cli
telnet soe
hostname "Aruba"
logging level warnings stm
clock timezone JST 9
net service svc-snmp-trap udp 162
net service svc-dhcp udp 67 68
net service svc-smb-tcp tcp 445
net service svc-https tcp 443
net service svc-ike udp 500
net service svc-l2tp udp 1701
net service svc-syslog udp 514
net service svc-pptp tcp 1723
net service svc-telnet tcp 23
net service svc-sccp tcp 2000
net service svc-tftp udp 69
net service svc-sip-tcp tcp 5060
net service svc-kerberos udp 88
net service svc-pop3 tcp 110
net service svc-adp udp 8200
net service svc-cfgm-tcp tcp 8211
net service svc-dns udp 53
net service svc-msrpc-tcp tcp 135 139
net service svc-rtsp tcp 554
net service svc-http tcp 80
net service svc-vocera udp 5002
net service svc-nterm tcp 1026 1028
net service svc-sip-udp udp 5060
net service svc-papi udp 8211
net service svc-ftp tcp 21
net service svc-natt udp 4500
net service svc-svp 119
net service svc-gre 47
net service svc-smtp tcp 25
net service svc-smb-udp udp 445
net service svc-esp 50
net service svc-bootp udp 67 69
net service svc-snmp udp 161
net service svc-icmp 1
net service svc-ntp udp 123
net service svc-msrpc-udp udp 135 139
net service svc-ssh tcp 22
ip access-list session control
user any udp 68 deny
any any svc-icmp permit
any any svc-dns permit
any any svc-papi permit
any any svc-cfgm-tcp permit
any any svc-adp permit
any any svc-tftp permit
any any svc-dhcp permit
any any svc-natt permit
!
ip access-list session validuser
any any any permit
!
ip access-list session vocera-acl
any any svc-vocera permit queue high
!
ip access-list session captiveportal
user alias mswitch svc-https dst-nat
user any svc-http dst-nat 8080
user any svc-https dst-nat 8081
```

```

!
ip access-list session allowall
  any any any permit
!
ip access-list session sip-acl
  any any svc-sip-udp permit queue high
  any any svc-sip-tcp permit queue high
!
ip access-list session https-acl
  any any svc-https permit
!
ip access-list session dns-acl
  any any svc-dns permit
!
ip access-list session vpnlogon
  user any svc-ike permit
  user any svc-esp permit
  any any svc-l2tp permit
  any any svc-pptp permit
  any any svc-gre permit
!
ip access-list session srcnat
  user any any src-nat
!
ip access-list session skinny-acl
  any any svc-sccp permit queue high
!
ip access-list session tftp-acl
  any any svc-tftp permit
!
ip access-list session cpllogout
  user alias mswitch svc-https dst-nat
!
ip access-list session mac
!
ip access-list session guest
!
ip access-list session dhcp-acl
  any any svc-dhcp permit
!
ip access-list session http-acl
  any any svc-http permit
!
ip access-list session ap-acl
  any any svc-gre permit
  any any svc-syslog permit
  any user svc-snmp permit
  user any svc-snmp-trap permit
  user any svc-ntp permit
!
ip access-list session svp-acl
  any any svc-svp permit queue high
  user host 224.0.1.116 any permit
!
vpn-dialer default-dialer
  ike authentication PRE-SHARE *****
!
user-role ap-role
  session-acl control
  session-acl ap-acl
!
user-role pre-employee
!

```

```

user-role trusted-ap
  session-acl allowall
!
user-role default-vpn-role
  session-acl allowall
!
user-role guest
  session-acl control
  session-acl cpllogout
!
user-role stateful-dot1x
!
user-role stateful
  session-acl control
!
user-role mac-authenticated
  session-acl allowall
!
user-role pre-voice
  session-acl sip-acl
  session-acl svp-acl
  session-acl vocera-acl
  session-acl skinny-acl
  session-acl dhcp-acl
  session-acl tftp-acl
  session-acl dns-acl
!
user-role logon
  session-acl control
  session-acl captiveportal
  session-acl vpnlogon
!
user-role pre-guest
  session-acl http-acl
  session-acl https-acl
  session-acl dhcp-acl
  session-acl dns-acl
!
user-role logon-linac-a
  session-acl control
  session-acl mac
!
aaa derivation-rules user
  set role condition essid equals "kekb-a" set-value pre-employee
  set role condition essid equals "aruba-ap" set-value pre-employee
  set role condition essid equals "linac-a" set-value pre-employee
!
aaa mac-authentication default-role mac-authenticated
aaa mac-authentication mode enable
aaa mac-authentication auth-server Internal
aaa mgmt-authentication mode enable
aaa pubkey-authentication
!
aaa dot1x enforce-machine-authentication
  mode disable
!
dot1x timeout wpa-key-timeout 100

interface mgmt
  shutdown

```

```
!  
vlan 3  
vlan 4  
  
interface fastethernet 1/0  
  description "To_c4500-1_P37"  
  trusted  
  switchport mode trunk  
  switchport trunk allowed vlan 1,3-4  
!  
interface fastethernet 1/1  
  description "To_c4500-1_P38"  
  trusted  
  switchport mode trunk  
  switchport trunk allowed vlan 1,3-4  
!  
interface fastethernet 1/2  
  description "To_c4500-1_P39"  
  trusted  
  switchport mode trunk  
  switchport trunk allowed vlan 1,3-4  
!  
interface fastethernet 1/3  
  description "To_c4500-1_P40"  
  trusted  
  switchport mode trunk  
  switchport trunk allowed vlan 1,3-4  
!  
interface fastethernet 1/4  
  description "fe1/4"  
  trusted  
!  
interface fastethernet 1/5  
  description "fe1/5"  
  trusted  
!  
interface fastethernet 1/6  
  description "fe1/6"  
  trusted  
!  
interface fastethernet 1/7  
  description "fe1/7"  
  trusted  
!  
interface fastethernet 1/8  
  description "fe1/8"  
  trusted  
!  
interface fastethernet 1/9  
  description "fe1/9"  
  trusted  
!
```

```
interface fastethernet 1/10  
  description "fe1/10"  
  trusted  
!  
interface fastethernet 1/11  
  description "fe1/11"  
  trusted  
!  
interface fastethernet 1/12  
  description "fe1/12"  
  trusted  
!  
interface fastethernet 1/13  
  description "fe1/13"  
  trusted  
!  
interface fastethernet 1/14  
  description "fe1/14"  
  trusted  
!  
interface fastethernet 1/15  
  description "fe1/15"  
  trusted  
!  
interface fastethernet 1/16  
  description "fe1/16"  
  trusted  
!  
interface fastethernet 1/17  
  description "fe1/17"  
  trusted  
!  
interface fastethernet 1/18  
  description "fe1/18"  
  trusted  
!  
interface fastethernet 1/19  
  description "fe1/19"  
  trusted  
!  
interface fastethernet 1/20  
  description "fe1/20"  
  trusted  
!  
interface fastethernet 1/21  
  description "fe1/21"  
  trusted  
!  
interface fastethernet 1/22  
  description "fe1/22"
```



```

        trusted
!
interface fastethernet 1/23
    description "fe1/23"
    trusted
    switchport access vlan 4
!
interface gigabitethernet 1/24
    description "gig1/24"
    trusted
!
interface gigabitethernet 1/25
    description "gig1/25"
    trusted
!
interface port-channel 1
    add fastethernet 1/1
    add fastethernet 1/2
    add fastethernet 1/3
    add fastethernet 1/0
    trusted
    switchport mode trunk
    switchport trunk allowed vlan 1,3-4
!
interface vlan 1
    ip address 172.19.65.102 255.255.224.0
    operstate up
!
ip default-gateway 172.19.64.1

country JP

ap location 0.0.0
ap-logging level informational snmpd

double-encrypt disable
ap-logging level informational sapd
ap-logging level warnings am
ap-logging level warnings stm
max-imalive-retries 10
bkplms-ip 0.0.0.0
bootstrap-threshold 7
opmode opensystem
mode ap_mode
authalgo opensystem
rts-threshold 2333
tx-power 2
max-retries 4
dtim-period 1
max-clients 64
beacon-period 100
ap-enable enable
power-mgmt enable
ageout 1000
hide-ssid disable
battery-boost disable
deny-bcast disable

```

```

rf-band g
local-probe-response enable
max-tx-fail 0
forward-mode tunnel
native-vlan-id 1
arm assignment disable
arm client-aware enable
arm scanning disable
arm scan-time 110
arm scan-interval 10
arm multi-band-scan disable
arm voip-aware-scan enable
arm max-tx-power 4
arm min-tx-power 0
arm rogue-ap-aware disable
voip call-admission-control disable
voip drop-sip-invite-for-cac disable
voip disconnect-extra-call-for-cac disable
voip active-load-balancing disable
voip vocera-call-capacity 10
voip sip-call-capacity 10
voip svp-call-capacity 10
voip sccp-call-capacity 10
voip call-handoff-reservation 20
voip high-capacity-threshold 20
ssid "linac-a"
    phy-type a
        channel 34
        rates 6,12,24
        txrates 6,9,12,18,24,36,48,54
        ssid "aruba-ap"
        deny-bcast enable
        hide-ssid enable
        ap-enable disable
        tx-power 2
    !
    phy-type g
        short-preamble enable
        channel 1
        rates 1,2
        txrates 1,2,5,11,6,9,12,18,24,36,48,54
        bg-mode mixed
        weptxkey 1
        dtim-period 1
        forward-mode tunnel
        wepkey1 *****
        virtual-ap "kekb-a" vlan-id 4 opmode staticWep deny-
        bcast disable wepkey1 ***** weptxkey 1 hide-ssid disable
        dtim-period 1
        tx-power 4
        ap-enable enable
        virtual-ap "kek-al" vlan-id 3 opmode staticWep deny-
        bcast disable wepkey1 ***** weptxkey 1 hide-ssid disable
        dtim-period 1
        ssid "linac-a"
        vlan-id 1
        opmode staticWep
        deny-bcast enable
        hide-ssid disable
    !
!
ap location 0.0.0
phy-type enet1

```

```

mode active-standby
switchport mode access
switchport access vlan 1
switchport trunk native vlan 1
switchport trunk allowed vlan ALL
trusted disable
!
!
ap location 1.1.1
hostname "linac-1F-2A"

!
ap location 1.1.2
hostname "linac-1F-R0"

!
ap location 1.1.3
phy-type g
channel 13
!
!
ap location 1.1.4
phy-type g
channel 6
!
!
ap location 1.1.5
phy-type g
channel 13
!
!
ap location 1.1.6
phy-type g
channel 6
!
!
ap location 1.1.7
phy-type g
channel 6
!
!
ap location 1.1.8
phy-type g
channel 13
!
!
ap location 2.1.1
hostname "kekb-Control-CCR"

phy-type g
channel 6
!
!
ap location 2.1.2
hostname "kekb-D07-Control"

!
ap location 2.1.1.1
hostname "FUJI-D07-01"

!
ap location 2.1.2
hostname "kekb-Tunnel-D07-6C"

```

```

phy-type g
channel 6
!
!
wms
general poll-interval 60000
general poll-retries 2
general ap-ageout-interval 30
general sta-ageout-interval 30
general ap-inactivity-timeout 5
general sta-inactivity-timeout 60
general grace-time 2000
general laser-beam enable
general laser-beam-debug disable
general wired-laser-beam disable
general stat-update enable
general am-stats-update-interval 0
ap-policy learn-ap disable
ap-policy classification enable
ap-policy overlay-classification disable
ap-policy adj-mac-classification disable
ap-policy protect-unsecure-ap disable
ap-policy detect-misconfigured-ap disable
ap-policy protect-misconfigured-ap disable
ap-policy protect-mt-channel-split disable
ap-policy protect-mt-ssid disable
ap-policy detect-ap-impersonation disable
ap-policy protect-ap-impersonation disable
ap-policy beacon-diff-threshold 50
ap-policy beacon-inc-wait-time 3
ap-policy min-pot-ap-beacon-rate 25
ap-policy min-pot-ap-monitor-time 2
ap-policy protect-ibss disable
ap-policy ap-load-balancing disable
ap-policy ap-lb-max-retries 8
ap-policy ap-lb-util-high-wm 90
ap-policy ap-lb-util-low-wm 80
ap-policy ap-lb-util-wait-time 30
ap-policy ap-lb-user-high-wm 255
ap-policy ap-lb-user-low-wm 230
ap-policy persistent-known-interfering disable
ap-config short-preamble disable
ap-config privacy disable
ap-config wpa disable
station-policy protect-valid-sta disable
station-policy handoff-assist disable
station-policy rssi-falloff-wait-time 4
station-policy low-rssi-threshold 20
station-policy rssi-check-frequency 3
station-policy detect-association-failure disable
global-policy detect-bad-wep disable
global-policy detect-interference disable
global-policy interference-inc-threshold 100
global-policy interference-inc-timeout 30
global-policy interference-wait-time 30
event-threshold fer-high-wm 0
event-threshold fer-low-wm 0
event-threshold frr-high-wm 16
event-threshold frr-low-wm 8
event-threshold flsr-high-wm 16
event-threshold flsr-low-wm 8
event-threshold fnur-high-wm 0

```

event-threshold fnur-low-wm 0
event-threshold frer-high-wm 16
event-threshold frer-low-wm 8
event-threshold ffr-high-wm 16
event-threshold ffr-low-wm 8
event-threshold bwr-high-wm 0
event-threshold bwr-low-wm 0
valid-11b-channel 1 mode enable
valid-11b-channel 6 mode enable
valid-11b-channel 11 mode enable
valid-11a-channel 34 mode enable
valid-11a-channel 38 mode enable
valid-11a-channel 42 mode enable
valid-11a-channel 46 mode enable
ids-policy signature-check disable
ids-policy rate-check disable
ids-policy dsta-check disable
ids-policy sequence-check disable
ids-policy mac-oui-check disable
ids-policy eap-check disable
ids-policy ap-flood-check disable
ids-policy adhoc-check disable
ids-policy wbridge-check disable
ids-policy sequence-diff 300
ids-policy sequence-time-tolerance 300
ids-policy sequence-quiet-time 900
ids-policy eap-rate-threshold 10
ids-policy eap-rate-time-interval 60
ids-policy eap-rate-quiet-time 900
ids-policy ap-flood-threshold 50
ids-policy ap-flood-inc-time 3
ids-policy ap-flood-quiet-time 900
ids-policy signature-quiet-time 900
ids-policy dsta-quiet-time 900
ids-policy adhoc-quiet-time 900
ids-policy wbridge-quiet-time 900
ids-policy mac-oui-quiet-time 900
ids-policy rate-frame-type-param assoc channel-threshold 30
ids-policy rate-frame-type-param assoc channel-inc-time 3
ids-policy rate-frame-type-param assoc channel-quiet-time 900
ids-policy rate-frame-type-param assoc node-threshold 30
ids-policy rate-frame-type-param assoc node-time-interval 60
ids-policy rate-frame-type-param assoc node-quiet-time 900
ids-policy rate-frame-type-param disassoc channel-threshold 30
ids-policy rate-frame-type-param disassoc channel-inc-time 3
ids-policy rate-frame-type-param disassoc channel-quiet-time 900
ids-policy rate-frame-type-param disassoc node-threshold 30
ids-policy rate-frame-type-param disassoc node-time-interval 60
ids-policy rate-frame-type-param disassoc node-quiet-time 900
ids-policy rate-frame-type-param deauth channel-threshold 30

ids-policy rate-frame-type-param deauth channel-inc-time 3
ids-policy rate-frame-type-param deauth channel-quiet-time 900
ids-policy rate-frame-type-param deauth node-threshold 20
ids-policy rate-frame-type-param deauth node-time-interval 60
ids-policy rate-frame-type-param deauth node-quiet-time 900
ids-policy rate-frame-type-param probe-request channel-threshold 200
ids-policy rate-frame-type-param probe-request channel-inc-time 3
ids-policy rate-frame-type-param probe-request channel-quiet-time 900
ids-policy rate-frame-type-param probe-request node-threshold 200
ids-policy rate-frame-type-param probe-request node-time-interval 15
ids-policy rate-frame-type-param probe-request node-quiet-time 900
ids-policy rate-frame-type-param probe-response channel-threshold 200
ids-policy rate-frame-type-param probe-response channel-inc-time 3
ids-policy rate-frame-type-param probe-response channel-quiet-time 900
ids-policy rate-frame-type-param probe-response node-threshold 150
ids-policy rate-frame-type-param probe-response node-time-interval 15
ids-policy rate-frame-type-param probe-response node-quiet-time 900
ids-policy rate-frame-type-param auth channel-threshold 30
ids-policy rate-frame-type-param auth channel-inc-time 3
ids-policy rate-frame-type-param auth channel-quiet-time 900
ids-policy rate-frame-type-param auth node-threshold 30
ids-policy rate-frame-type-param auth node-time-interval 60
ids-policy rate-frame-type-param auth node-quiet-time 900
ids-signature "ASLEAP"
mode enable
frame-type beacon ssid asleap
!
ids-signature "Null-Probe-Response"
mode enable
frame-type probe-response ssid-length 0
!
ids-signature "AirJack"
mode enable
frame-type beacon ssid AirJack
!
ids-signature "NetStumbler Generic"
mode enable
payload 0x00601d 3
payload 0x0001 6
!
ids-signature "NetStumbler Version 3.3.0x"
mode enable

```

payload 0x00601d 3
payload 0x000102 12
!
ids-signature "Deauth-Broadcast"
mode enable
frame-type deauth
dst-mac ff:ff:ff:ff:ff:ff
!
!
site-survey calibration-max-packets 256
site-survey calibration-transmit-rate 500
site-survey rra-max-compute-time 600000
site-survey max-ha-neighbors 3
site-survey neighbor-tx-power-bump 2
site-survey ha-compute-time 0

arm min-scan-time 8
arm ideal-coverage-index 5
arm acceptable-coverage-index 2
arm wait-time 15
arm free-channel-index 25
arm backoff-time 240
arm error-rate-threshold 0
arm error-rate-wait-time 30
arm noise-threshold 0
arm noise-wait-time 120

ems server-ip 0.0.0.0

crypto isakmp groupname changeme

vpdn group l2tp
ppp authentication PAP
!

masterip 127.0.0.1
location "Building1.floor1"
mobility
parameters 60 buffer 32
manager disable
proxy-dhcp enable
station-masquerade enable
on-association disable
trusted-roam disable
ignore-l2-broadcast disable
block-dhcp-release disable
no new-user-roaming
max-dhcp-requests 4
secure 1000 shared-secret *****
!
mobility-local
local-ha disable
!
mobagent
home-agent parameters 1000 bindings 300
secure-mobile spi 1000 *****
foreign-agent parameters 1100 bindings 300 pending 0
pending-time 300
!

syslocation "KEK-Linac"

```

```

syscontact "SEM"
vpdn group pptp
ppp authentication MSCHAPv2
!

stm dos-prevention disable
stm vlan-mobility disable
stm strict-compliance enable
stm fast-roaming disable
stm sta-dos-prevention disable
stm sta-dos-block-time 3600
stm auth-failure-block-time 0
stm coverage-hole-detection disable
stm good-rssi-threshold 20
stm poor-rssi-threshold 10
stm hole-detection-interval 180
stm good-sta-ageout 30
stm idle-sta-ageout 90
stm ap-inactivity-timeout 15

mux-address 0.0.0.0

adp discovery enable
adp igmp-join enable
adp igmp-vlan 0

voip prioritization enable

mgmt-user admin root *****

no database synchronize
database synchronize rf-plan-data

ip igmp
!

packet-capture-defaults tcp disable udp disable sysmsg
disable other disable
end

show configuration

version 2.5
enable secret
"1d37750ea1fb8eb6715383bdba32a9cbc21ca6b083ea410d"
enable "8H0b8N0R0T840`8D0d0L"
telnet cli
telnet soe
hostname "Aruba"
logging level warnings stm
clock timezone JST 9
netservice svc-snmp-trap udp 162
netservice svc-dhcp udp 67 68
netservice svc-smb-tcp tcp 445
netservice svc-https tcp 443
netservice svc-ike udp 500
netservice svc-l2tp udp 1701
netservice svc-syslog udp 514
netservice svc-pptp tcp 1723

```

```

netservice svc-telnet tcp 23
netservice svc-sccp tcp 2000
netservice svc-tftp udp 69
netservice svc-sip-tcp tcp 5060
netservice svc-kerberos udp 88
netservice svc-pop3 tcp 110
netservice svc-adp udp 8200
netservice svc-cfgm-tcp tcp 8211
netservice svc-dns udp 53
netservice svc-msrpc-tcp tcp 135 139
netservice svc-rtsp tcp 554
netservice svc-http tcp 80
netservice svc-vocera udp 5002
netservice svc-nterm tcp 1026 1028
netservice svc-sip-udp udp 5060
netservice svc-papi udp 8211
netservice svc-ftp tcp 21
netservice svc-natt udp 4500
netservice svc-svp 119
netservice svc-gre 47
netservice svc-smtp tcp 25
netservice svc-smb-udp udp 445
netservice svc-esp 50
netservice svc-bootp udp 67 69
netservice svc-snmp udp 161
netservice svc-icmp 1
netservice svc-ntp udp 123
netservice svc-msrpc-udp udp 135 139
netservice svc-ssh tcp 22
ip access-list session control
  user any udp 68 deny
  any any svc-icmp permit
  any any svc-dns permit
  any any svc-papi permit
  any any svc-cfgm-tcp permit
  any any svc-adp permit
  any any svc-tftp permit
  any any svc-dhcp permit
  any any svc-natt permit
!
ip access-list session validuser
  any any any permit
!
ip access-list session vocera-acl
  any any svc-vocera permit queue high
!
ip access-list session captiveportal
  user alias mswitch svc-https dst-nat
  user any svc-http dst-nat 8080
  user any svc-https dst-nat 8081
!
ip access-list session allowall
  any any any permit
!
ip access-list session sip-acl
  any any svc-sip-udp permit queue high
  any any svc-sip-tcp permit queue high
!
ip access-list session https-acl
  any any svc-https permit
!
ip access-list session dns-acl
  any any svc-dns permit
!
ip access-list session vpnlogon
  user any svc-ike permit
  user any svc-esp permit
  any any svc-l2tp permit
  any any svc-pptp permit
  any any svc-gre permit
!
ip access-list session srcnat
  user any any src-nat
!
ip access-list session skinny-acl
  any any svc-sccp permit queue high
!
ip access-list session tftp-acl
  any any svc-tftp permit
!
ip access-list session cplogout
  user alias mswitch svc-https dst-nat
!
ip access-list session mac
!
ip access-list session guest
!
ip access-list session dhcp-acl
  any any svc-dhcp permit
!
ip access-list session http-acl
  any any svc-http permit
!
ip access-list session ap-acl
  any any svc-gre permit
  any any svc-syslog permit
  any user svc-snmp permit
  user any svc-snmp-trap permit
  user any svc-ntp permit
!
ip access-list session svp-acl
  any any svc-svp permit queue high
  user host 224.0.1.116 any permit
!
vpn-dialer default-dialer
  ike authentication PRE-SHARE
  3b3fe1964c9ab572fee0bda599693a2428c260e0d3a76d8e
!
user-role ap-role
  session-acl control
  session-acl ap-acl
!
user-role pre-employee
!
user-role trusted-ap
  session-acl allowall
!
user-role default-vpn-role
  session-acl allowall
!
user-role guest
  session-acl control
  session-acl cplogout
!
user-role stateful-dot1x
!

```

```

user-role stateful
session-acl control
!
user-role mac-authenticated
session-acl allowall
!
user-role pre-voice
session-acl sip-acl
session-acl svp-acl
session-acl vocera-acl
session-acl skinny-acl
session-acl dhcp-acl
session-acl tftp-acl
session-acl dns-acl
!
user-role logon
session-acl control
session-acl captiveportal
session-acl vpnlogon
!
user-role pre-guest
session-acl http-acl
session-acl https-acl
session-acl dhcp-acl
session-acl dns-acl
!
user-role logon-linac-a
session-acl control
session-acl mac
!
aaa derivation-rules user
set role condition essid equals "kekb-a" set-value pre-employee
set role condition essid equals "aruba-ap" set-value pre-employee
set role condition essid equals "linac-a" set-value pre-employee
!
aaa mac-authentication default-role mac-authenticated
aaa mac-authentication mode enable
aaa mac-authentication auth-server Internal
aaa mgmt-authentication mode enable
aaa pubkey-authentication
!
aaa dot1x enforce-machine-authentication
mode disable
!
dot1x timeout wpa-key-timeout 100

interface mgmt
shutdown
!

vlan 3
vlan 4

interface fastethernet 1/0
description "To_c4500-1_P37"
trusted
switchport mode trunk
switchport trunk allowed vlan 1,3-4
!

```

```

interface fastethernet 1/1
description "To_c4500-1_P38"
trusted
switchport mode trunk
switchport trunk allowed vlan 1,3-4
!

interface fastethernet 1/2
description "To_c4500-1_P39"
trusted
switchport mode trunk
switchport trunk allowed vlan 1,3-4
!

interface fastethernet 1/3
description "To_c4500-1_P40"
trusted
switchport mode trunk
switchport trunk allowed vlan 1,3-4
!

interface fastethernet 1/4
description "fe1/4"
trusted
!

interface fastethernet 1/5
description "fe1/5"
trusted
!

interface fastethernet 1/6
description "fe1/6"
trusted
!

interface fastethernet 1/7
description "fe1/7"
trusted
!

interface fastethernet 1/8
description "fe1/8"
trusted
!

interface fastethernet 1/9
description "fe1/9"
trusted
!

interface fastethernet 1/10
description "fe1/10"
trusted
!

interface fastethernet 1/11
description "fe1/11"
trusted
!

interface fastethernet 1/12

```

```

        description "fe1/12"
        trusted
!
interface fastethernet 1/13
    description "fe1/13"
    trusted
!
interface fastethernet 1/14
    description "fe1/14"
    trusted
!
interface fastethernet 1/15
    description "fe1/15"
    trusted
!
interface fastethernet 1/16
    description "fe1/16"
    trusted
!
interface fastethernet 1/17
    description "fe1/17"
    trusted
!
interface fastethernet 1/18
    description "fe1/18"
    trusted
!
interface fastethernet 1/19
    description "fe1/19"
    trusted
!
interface fastethernet 1/20
    description "fe1/20"
    trusted
!
interface fastethernet 1/21
    description "fe1/21"
    trusted
!
interface fastethernet 1/22
    description "fe1/22"
    trusted
!
interface fastethernet 1/23
    description "fe1/23"
    trusted
    switchport access vlan 4
!
interface gigabitethernet 1/24
    description "gig1/24"
    trusted

```

```

!
interface gigabitethernet 1/25
    description "gig1/25"
    trusted
!
interface port-channel 1
    add fastethernet 1/1
    add fastethernet 1/2
    add fastethernet 1/3
    add fastethernet 1/0
    trusted
    switchport mode trunk
    switchport trunk allowed vlan 1,3-4
!
interface vlan 1
    ip address 172.19.65.102 255.255.224.0
    operstate up
!
ip default-gateway 172.19.64.1

country JP

ap location 0.0.0
ap-logging level informational snmpd

double-encrypt disable
ap-logging level informational sapd
ap-logging level warnings am
ap-logging level warnings stm
max-imalive-retries 10
bkplms-ip 0.0.0.0
bootstrap-threshold 7
opmode opensystem
mode ap_mode
authalgo opensystem
rts-threshold 2333
tx-power 2
max-retries 4
dtim-period 1
max-clients 64
beacon-period 100
ap-enable enable
power-mgmt enable
ageout 1000
hide-ssid disable
battery-boost disable
deny-bcast disable
rf-band g
local-probe-response enable
max-tx-fail 0
forward-mode tunnel
native-vlan-id 1
arm assignment disable
arm client-aware enable
arm scanning disable
arm scan-time 110
arm scan-interval 10
arm multi-band-scan disable
arm voip-aware-scan enable

```

```

arm max-tx-power 4
arm min-tx-power 0
arm rogue-ap-aware disable
voip call-admission-control disable
voip drop-sip-invite-for-cac disable
voip disconnect-extra-call-for-cac disable
voip active-load-balancing disable
voip vocera-call-capacity 10
voip sip-call-capacity 10
voip svp-call-capacity 10
voip sccp-call-capacity 10
voip call-handoff-reservation 20
voip high-capacity-threshold 20
ssid "linac-a"
  phy-type a
    channel 34
    rates 6,12,24
    txrates 6,9,12,18,24,36,48,54
    ssid "aruba-ap"
    deny-bcast enable
    hide-ssid enable
    ap-enable disable
    tx-power 2
  !
  phy-type g
    short-preamble enable
    channel 1
    rates 1,2
    txrates 1,2,5,11,6,9,12,18,24,36,48,54
    bg-mode mixed
    weptxkey 1
    dtim-period 1
    forward-mode tunnel
    wepkey1
    9e590aade59fa0eadc090040eaa23ca7a21e30a4198ff04d
    virtual-ap "kekb-a" vlan-id 4 opmode staticWep deny-
bcast disable wepkey1
    ea85385919637b6b269f4c7d082a2188e678a609442ce425
    weptxkey 1 hide-ssid disable dtim-period 1
    tx-power 4
    ap-enable enable
    virtual-ap "kek-al" vlan-id 3 opmode staticWep deny-
bcast disable wepkey1
    fbd1dd3e46068d5cca61397ada128efcbaabc488de91f5f1
    weptxkey 1 hide-ssid disable dtim-period 1
    ssid "linac-a"
    vlan-id 1
    opmode staticWep
    deny-bcast enable
    hide-ssid disable
  !
!
ap location 0.0.0
  phy-type enet1
  mode active-standby
  switchport mode access
  switchport access vlan 1
  switchport trunk native vlan 1
  switchport trunk allowed vlan ALL
  trusted disable
!
!
ap location 1.1.1
  hostname "linac-1F-2A"
  !
  ap location 1.1.2
    hostname "linac-1F-R0"
  !
  ap location 1.1.3
    phy-type g
    channel 13
  !
  ap location 1.1.4
    phy-type g
    channel 6
  !
  ap location 1.1.5
    phy-type g
    channel 13
  !
  ap location 1.1.6
    phy-type g
    channel 6
  !
  ap location 1.1.7
    phy-type g
    channel 6
  !
  ap location 1.1.8
    phy-type g
    channel 13
  !
  ap location 2.1.1
    hostname "kekb-Control-CCR"
    phy-type g
    channel 6
  !
  ap location 2.1.2
    hostname "kekb-D07-Control"
  !
  ap location 2.11.1
    hostname "FUJI-D07-01"
  !
  ap location 2.11.2
    hostname "kekb-Tunnel-D07-6C"
    phy-type g
    channel 6
  !
  wms
  general poll-interval 60000
  general poll-retries 2
  general ap-ageout-interval 30

```


general sta-ageout-interval 30
general ap-inactivity-timeout 5
general sta-inactivity-timeout 60
general grace-time 2000
general laser-beam enable
general laser-beam-debug disable
general wired-laser-beam disable
general stat-update enable
general am-stats-update-interval 0
ap-policy learn-ap disable
ap-policy classification enable
ap-policy overlay-classification disable
ap-policy adj-mac-classification disable
ap-policy protect-unsecure-ap disable
ap-policy detect-misconfigured-ap disable
ap-policy protect-misconfigured-ap disable
ap-policy protect-mt-channel-split disable
ap-policy protect-mt-ssid disable
ap-policy detect-ap-impersonation disable
ap-policy protect-ap-impersonation disable
ap-policy beacon-diff-threshold 50
ap-policy beacon-inc-wait-time 3
ap-policy min-pot-ap-beacon-rate 25
ap-policy min-pot-ap-monitor-time 2
ap-policy protect-ibss disable
ap-policy ap-load-balancing disable
ap-policy ap-lb-max-retries 8
ap-policy ap-lb-util-high-wm 90
ap-policy ap-lb-util-low-wm 80
ap-policy ap-lb-util-wait-time 30
ap-policy ap-lb-user-high-wm 255
ap-policy ap-lb-user-low-wm 230
ap-policy persistent-known-interfering disable
ap-config short-preamble disable
ap-config privacy disable
ap-config wpa disable
station-policy protect-valid-sta disable
station-policy handoff-assist disable
station-policy rssi-falloff-wait-time 4
station-policy low-rssi-threshold 20
station-policy rssi-check-frequency 3
station-policy detect-association-failure disable
global-policy detect-bad-wep disable
global-policy detect-interference disable
global-policy interference-inc-threshold 100
global-policy interference-inc-timeout 30
global-policy interference-wait-time 30
event-threshold fer-high-wm 0
event-threshold fer-low-wm 0
event-threshold frr-high-wm 16
event-threshold frr-low-wm 8
event-threshold flsr-high-wm 16
event-threshold flsr-low-wm 8
event-threshold fnur-high-wm 0
event-threshold fnur-low-wm 0
event-threshold frer-high-wm 16
event-threshold frer-low-wm 8
event-threshold ffr-high-wm 16
event-threshold ffr-low-wm 8
event-threshold bwr-high-wm 0
event-threshold bwr-low-wm 0
valid-11b-channel 1 mode enable
valid-11b-channel 6 mode enable

valid-11b-channel 11 mode enable
valid-11a-channel 34 mode enable
valid-11a-channel 38 mode enable
valid-11a-channel 42 mode enable
valid-11a-channel 46 mode enable
ids-policy signature-check disable
ids-policy rate-check disable
ids-policy dsta-check disable
ids-policy sequence-check disable
ids-policy mac-oui-check disable
ids-policy eap-check disable
ids-policy ap-flood-check disable
ids-policy adhoc-check disable
ids-policy wbridge-check disable
ids-policy sequence-diff 300
ids-policy sequence-time-tolerance 300
ids-policy sequence-quiet-time 900
ids-policy eap-rate-threshold 10
ids-policy eap-rate-time-interval 60
ids-policy eap-rate-quiet-time 900
ids-policy ap-flood-threshold 50
ids-policy ap-flood-inc-time 3
ids-policy ap-flood-quiet-time 900
ids-policy signature-quiet-time 900
ids-policy dsta-quiet-time 900
ids-policy adhoc-quiet-time 900
ids-policy wbridge-quiet-time 900
ids-policy mac-oui-quiet-time 900
ids-policy rate-frame-type-param assoc channel-threshold 30
ids-policy rate-frame-type-param assoc channel-inc-time 3
ids-policy rate-frame-type-param assoc channel-quiet-time 900
ids-policy rate-frame-type-param assoc node-threshold 30
ids-policy rate-frame-type-param assoc node-time-interval 60
ids-policy rate-frame-type-param assoc node-quiet-time 900
ids-policy rate-frame-type-param disassoc channel-threshold 30
ids-policy rate-frame-type-param disassoc channel-inc-time 3
ids-policy rate-frame-type-param disassoc channel-quiet-time 900
ids-policy rate-frame-type-param disassoc node-threshold 30
ids-policy rate-frame-type-param disassoc node-time-interval 60
ids-policy rate-frame-type-param disassoc node-quiet-time 900
ids-policy rate-frame-type-param deauth channel-threshold 30
ids-policy rate-frame-type-param deauth channel-inc-time 3
ids-policy rate-frame-type-param deauth channel-quiet-time 900
ids-policy rate-frame-type-param deauth node-threshold 20
ids-policy rate-frame-type-param deauth node-time-interval 60

```
ids-policy rate-frame-type-param deauth node-quiet-time
900
ids-policy rate-frame-type-param probe-request channel-
threshold 200
ids-policy rate-frame-type-param probe-request channel-
inc-time 3
ids-policy rate-frame-type-param probe-request channel-
quiet-time 900
ids-policy rate-frame-type-param probe-request node-
threshold 200
ids-policy rate-frame-type-param probe-request node-
time-interval 15
ids-policy rate-frame-type-param probe-request node-
quiet-time 900
ids-policy rate-frame-type-param probe-response
channel-threshold 200
ids-policy rate-frame-type-param probe-response
channel-inc-time 3
ids-policy rate-frame-type-param probe-response
channel-quiet-time 900
ids-policy rate-frame-type-param probe-response node-
threshold 150
ids-policy rate-frame-type-param probe-response node-
time-interval 15
ids-policy rate-frame-type-param probe-response node-
quiet-time 900
ids-policy rate-frame-type-param auth channel-threshold
30
ids-policy rate-frame-type-param auth channel-inc-time 3
ids-policy rate-frame-type-param auth channel-quiet-time
900
ids-policy rate-frame-type-param auth node-threshold 30
ids-policy rate-frame-type-param auth node-time-interval
60
ids-policy rate-frame-type-param auth node-quiet-time
900
ids-signature "ASLEAP"
  mode enable
  frame-type beacon ssid asleap
!
ids-signature "Null-Probe-Response"
  mode enable
  frame-type probe-response ssid-length 0
!
ids-signature "AirJack"
  mode enable
  frame-type beacon ssid AirJack
!
ids-signature "NetStumbler Generic"
  mode enable
  payload 0x00601d 3
  payload 0x0001 6
!
ids-signature "NetStumbler Version 3.3.0x"
  mode enable
  payload 0x00601d 3
  payload 0x000102 2
!
ids-signature "Deauth-Broadcast"
  mode enable
  frame-type deauth
  dst-mac ff:ff:ff:ff:ff:ff
!
```

```
!
site-survey calibration-max-packets 256
site-survey calibration-transmit-rate 500
site-survey rra-max-compute-time 600000
site-survey max-ha-neighbors 3
site-survey neighbor-tx-power-bump 2
site-survey ha-compute-time 0

arm min-scan-time 8
arm ideal-coverage-index 5
arm acceptable-coverage-index 2
arm wait-time 15
arm free-channel-index 25
arm backoff-time 240
arm error-rate-threshold 0
arm error-rate-wait-time 30
arm noise-threshold 0
arm noise-wait-time 120

ems server-ip 0.0.0.0

crypto isakmp groupname changeme

vpdn group l2tp
  ppp authentication PAP
!

masterip 127.0.0.1
location "Building1.floor1"
mobility
  parameters 60 buffer 32
  manager disable
  proxy-dhcp enable
  station-masquerade enable
  on-association disable
  trusted-roam disable
  ignore-l2-broadcast disable
  block-dhcp-release disable
  no new-user-roaming
  max-dhcp-requests 4
  secure 1000 shared-secret
  2035e703b51c660e84987cf6813ee610
!
mobility-local
  local-ha disable
!
mobagent
  home-agent parameters 1000 bindings 300
  secure-mobile spi 1000
  5b58fccc298fb0c2bf64b206042c5393
  foreign-agent parameters 1100 bindings 300 pending 0
  pending-time 300
!

syslocation "KEK-Linac"
syscontact "SEM"
vpdn group pptp
  ppp authentication MSCHAPv2
!

stm dos-prevention disable
```

```
stm vlan-mobility disable
stm strict-compliance enable
stm fast-roaming disable
stm sta-dos-prevention disable
stm sta-dos-block-time 3600
stm auth-failure-block-time 0
stm coverage-hole-detection disable
stm good-rssi-threshold 20
stm poor-rssi-threshold 10
stm hole-detection-interval 180
stm good-sta-ageout 30
stm idle-sta-ageout 90
stm ap-inactivity-timeout 15
```

```
mux-address 0.0.0.0
```

```
adp discovery enable
adp igmp-join enable
adp igmp-vlan 0
```

```
voip prioritization enable
```

```
mgmt-user admin root
b438842e2ab4941343ff9940feb194165b74bbac7b775f37
```

```
no database synchronize
database synchronize rf-plan-data
```

```
ip igmp
!
```

```
packet-capture-defaults tcp disable udp disable sysmsg
disable other disable
end
```