

Annex 5.2

SGN INFRASTRUCTURE COMPONENTS

Contents

SGN1 Equipments	7
SGN2 Equipments	7
SGN3 Equipments:.....	7
SGN4 Equipments	9
SGN5 Equipments	12
الأجهزة المستخدمة في ربط فواتيركم	14
أجهزة فرع إربد للبنك المركزي	14
PKI Equipments	15
Operations Center – NITC Equipment.....	16

phase	Entity Serial phase Number	Entity (Arabic)	Entity (English)	Serial No.	Comment
phase	Entity Serial phase Number	Entity (Arabic)	Entity (English)	Serial No.	Comment
1	1	وزارة المالية	Ministry of Finance	1	
2	1	وزارة الخارجية	Ministry of Foreign Affairs	2	
	2	البنك المركزي الأردني	Central Bank of Jordan	3	
SENS (Old)	1	ادارة ترخيص السواقين و المركبات	Drivers and Vehicles Licensing Department	4	
SENS	2	وزارة الداخلية	Ministry of Interior	5	
3	1	غرفة تجارة عمان	Amman Chamber of Commerce	6	
	2	غرفة صناعة عمان	Amman Chamber of Industry	7	
	3	مراقبة الشركات	Companies Control Department	8	
	4	مؤسسة رعاية أموال الأيتام	Management & Development of Orphans Fund Corporation	9	
	5	دائرة اللوازم العامة	General Supplies Department	10	
phase	Entity Serial phase Number	Entity (Arabic)	Entity (English)		
	6	مؤسسة التدريب المهني	Vocational Training Corporation	11	
	7	دائرة الشراء الموحد	Joint Procurement Department	12	
	8	مستشفى الأمير حمزة	Prince Hamza Hospital	13	
	9	دائرة قاضي القضاة	Supreme Judge Department	14	
	10	المركز الجغرافي الملكي الأردني	Royal Jordanian Geographic Center	15	
	11	دائرة الجمارك	Jordan Customs	16	
	12	ديوان المحاسبة	Audit Bureau	17	
	13	مجلس النواب	Jordan Parliament	18	
	14	وزارة التعليم العالي	Ministry Of Higher Education	19	
	15	دائرة العطاءات الحكومية	Government Tenders Directorate	20	
	16	هيئة الاستثمار	Investment Commission	21	

	17	وزارة العدل	Ministry of justice	22	
	18	وزارة الصحة	Ministry of Health	23	
	19	وزارة التربية والتعليم	Ministry Of Education	24	
	20	مجلس الأعيان	The Jordanian Senate	25	
	21	وزارة الشؤون البلدية	Ministry Of Municipal Affairs	26	
	22	المكتبة الوطنية	National Library	27	
	23	المؤسسة العامة للضمان الاجتماعي	Social Security Corporation	28	
	24	وزارة الزراعة	Ministry of Agriculture	29	
	25	وزارة التنمية الاجتماعية	Ministry of Social Development	30	
	26	وزارة الثقافة	Ministry of Culture	31	
	27	وزارة الطاقة والثروة المعدنية	Ministry of Energy	32	
	28	ديوان التشريع والرأي	Legislation and Opinion Bureau	33	
	29	قصر العدل	Palace of Justice	34	
	30	وزارة البيئة	Ministry of Environment	35	
	31	دائرة الإحصاءات العامة	Department of Statistics	36	
	32	صندوق المعونة الوطنية	National Aid Fund	37	
	33	متحف الاردن	Jordan Museum	38	
phase	Entity Serial Phase Number	Entity (Arabic)	Entity (English)		
	34	صندوق دعم البحث العلمي	Scientific Research Support Fund	39	
	35	مؤسسة الإسكان والتطوير الحضري	Housing and Urban Development Corporation	40	
	36	وزارة الشؤون البرلمانية	Ministry of Parliamentary Affairs	41	
	37	وكالة الأنباء الأردنية	Jordan News Agency(Petra)	42	
	38	وزارة النقل	Ministry of Transport	43	
4	1	صندوق التشغيل والتدريب والتعليم المهني والتقني	Operating Fund, Training and Vocational and Technical Education	44	
	2	هيئة الطاقة الذرية الأردنية	Jordan Atomic Energy Commission	45	
	3	هيئة النزاهة ومكافحة الفساد	Anti-Corruption Commission	46	
	4	وزارة الأوقاف والشؤون والمقدسات الإسلامية	Ministry of Awqaf Islamic Affairs and Holy Places	47	

	5	القوات المسلحة الاردنية	Jordan Armed Forces	48	
	6	صندوق توفير البريد	Postal Saving Funds	49	
	7	هيئة تنظيم قطاع الطاقة والمعادن	Energy & Mineral Regulatory Commission	50	
	8	بنك تنمية المدن والقرى	Cities and Villages Development Bank	51	
	9	المركز الثقافي الملكي	Royal Cultural Center	52	
	10	صندوق استثمار أموال الضمان الاجتماعي	Social Security Investment Fund	53	
phase	Entity Serial Phase Number	Entity (Arabic)	Entity (English)		
10 entities	11	هيئة تنظيم الطيران المدني	Civil Aviation Regulatory Commission	54	
	12	دائرة الشؤون الفلسطينية	Department of Palestinian Affairs	55	
	13	مؤسسة المواصفات و المقاييس	Jordan Institution for Standards and Metrology	56	
	14	مؤسسة المناطق الحرة	Free Zones Corporation	57	
	15	صندوق التنمية و التشغيل	Development and Employment Fund	58	
	16	الديوان الملكي الهاشمي	Royal Hashemite Court	59	
	17	هيئة تنظيم قطاع الاتصالات	Telecommunications Regulatory Commission	60	
	18	الهيئة المستقلة للانتخاب	Independent Electoral Commission	61	
	19	المعهد الوطني للتدريب (سابقاً معهد الادارة العامة)	National Institute for Training (Previous: Institute of Public Administration)	62	
	20	دائرة الآثار العامة	Department of Antiques	63	
	21	هيئة الأوراق المالية	Jordan Securities Commission	64	
	22	وزارة المياه	Ministry of Water & Irrigation	65	

	23	المجلس الطبي الأردني	Jordan Medical Council	66	
	24	المؤسسة الاردنية لتطوير المشاريع الاقتصادية	Jordan Enterprise development Corporation	67	
	25	دائرة الافتاء العام	IFTAA	68	
VO	26	المحكمة الدستورية	Constitutional Court	69	
PO	1	مبنى النظام المالي الموحد (GFMIS)	Government Financial Management Information System Building	70	
phase	Entity Serial phase Number	Entity (Arabic)	Entity (English)		
5	1	المجلس الأعلى للشباب	The Higher Council For Youth	71	
	2	دائرة الأرصاد الجوية		72	
	3	مؤسسة استثمار الموارد الوطنية		73	
	4	إدارة التأمين الصحي		74	
	5	مؤسسة الإذاعة والتلفزيون		75	
	6	المجلس التمريضي الأردني		76	
	7	المركز الوطني لتنمية الموارد البشرية		77	
	8	المجلس الأعلى لشؤون الأشخاص المعوقين		78	*Delivery date: 27/12/2016
VO	9	أجهزة Firewall لمشروع PKI		79	

*This equipment is under valid warranty for 3 years starting from the Delivery Date

SGN1 Equipments

Entity	Description	Qty
وزارة المالية	Catalyst 2950, 12 10/100 with 2 GBIC slots, Enhanced Image	4
	PIX 525UR Bundle (Chassis, unrestricted SW, 2 FE ports, VAC)	1
	PIX 525FO Bundle (Chassis, unrestricted SW, 2 FE ports, VAC)	1
	Cisco Router 3660	1

SGN2 Equipments

Entity	Description	Qty
وزارة الخارجية	Dell PE 1750	2
البنك المركزي	Dell PE 1750	2
ادارة الترخيص	Dell PE 1750	2
	Catalyst 2950, 12 10/100 with 2 GBIC slots, Enhanced Image	4
	PIX 525UR Bundle (Chassis, unrestricted SW, 2 FE ports, VAC)	1
	PIX 525FO Bundle (Chassis, unrestricted SW, 2 FE ports, VAC)	1
	3700 Series, 4-Slot, Dual FE, Multiservice Access Router	1
وزارة الداخلية	Dell PE 1750	2
SENS	Cisco ASA 5520	1

SGN3 Equipments:

38 Entities:

Item	QTY
One UPS*	
MGE COMET EX 11 RT 11kVA single phase UPS System	1
IP Phone + Fiber Optic Cord	
CISCO IP Phone: CISCO 7940G, Global, Space	1
Fiber Optic Patch Cord Duplex with Suitable connectors	3

*UPS(وزارة البيئة): LIEBERT® GXT4™ UPS 10KVA, Valid Warranty for 2 years, delivery 27/5/2019

*UPS(وزارة النقل): APC UPS 10KVA, Valid Warranty for 2 years, delivery 18/4/2019

- المركز الملكي للتوثيق، هيئة تنظيم النقل البري، دائرة الموازنة العامة

Item	QTY
IP Phone + Fiber Optic Cord	
CISCO IP Phone: CISCO 7940G, Global, Space	1
Fiber Optic Patch Cord Duplex with Suitable connectors	3

- وزارة العمل

Item	QTY
CISCO Firewall ASA5512	1
One UPS	
MGE COMET EX 11 RT 11kVA single phase UPS System	1
IP Phone + Fiber Optic Cord	
CISCO IP Phone: CISCO 7940G, Global, Space	1
Fiber Optic Patch Cord Duplex with Suitable connectors	3

- المركز الطبي الشامل

Item	QTY
CISCO & Equipment component	
ASA 5510 Appliance with SW,5FE,3DES/AES	1
GE SFP,LC connector LX/LH transceiver	2
SGN Entity Switch WS-C3560-24PS-E (Catalyst 3560 24 10/100 PoE + 2SFP + IPS Image	1
Power Cord	2
Cisco VPN Client Software(Windows, Solaris, Linux, Mac)	1
ASA 5500 Strong Encryption License(3DES/AES)	1
ASA 5500 Series Software v7.0	1
ASA/IPS SSM Slot Cover	1
DELL Hardware	
DELL PowerEdge Rack Cabinet includes the following: - 1xpower distribution unit (PDU) - 1xFan kit - 1xRackShelf - 1x24 port patch panel, with its cables - Rack keyboard(touchpad)	1
Dell PowerEdge 1950 Server Single Processor Quad Core Intel Xeon	2
Memory upgrade from 1GB to 4GB for DELL PowerEdge 1950 server	1
One UPS	
Maklesan 10KVA*	1
IP Phone + Fiber Optic Cord	
CISCO IP Phone: CISCO 7940G, Global, Space	1
Fiber Optic Patch Cord Duplex with Suitable connectors	3

*Valid Warranty for 2 years, delivery 15/5/2019

- المديرية العامة للدفاع المدني، مركز الحسين للسرطان، مركز ادارة الأزمات

Item	QTY
DELL Hardware	
DELL PowerEdge Rack Cabinet includes the following: - 1xpower distribution unit (PDU) - 1xFan kit	1

- 1xRackShelf	
- 1x24 port patch panel, with its cables	
- Rack keyboard(touchpad)	
Dell PowerEdge 1950 Server Single Processor Quad Core Intel Xeon	2
Memory upgrade from 1GB to 4GB for DELL PowerEdge 1950 server	1
One UPS	
MGE COMET EX 11 RT 11kVA single phase UPS System	1
IP Phone + Fiber Optic Cord	
CISCO IP Phone: CISCO 7940G, Global, Space	1
Fiber Optic Patch Cord Duplex with Suitable connectors	3

- وزارة الثقافة – فرع وزارة تطوير القطاع العام سابقا

Item	QTY
CISCO & Equipment component	
SGN Entity Switch WS-C3560-24PS-E (Catalyst 3560 24 10/100 PoE + 2SFP + IPS Image)	1
One UPS	
MGE COMET EX 11 RT 11kVA single phase UPS System	1
IP Phone + Fiber Optic Cord	
CISCO IP Phone: CISCO 7940G, Global, Space	1
Fiber Optic Patch Cord Duplex with Suitable connectors	3

SGN4 Equipments

26 Entities:

Item	Part No	Description	QTY
1	SGN Entity Cisco Catalyst 3560 24 port PoE Switch		
1	WS-C3560V2-24PS-E	Catalyst 3560V2 24 10/100 PoE + 2 SFP + IPS (Enhanced) Image	1
2	CAB-ACU	AC Power Cord (UK), C13, BS 1363, 2.5m	1
3	CON-CSSPD-V224PSE	SHARED SUPP SDS Catalyst 3560V2 24 10/100 PoE + 2 SFP En	1
2	SGN Entity SFP on SGN Entity Switch		
1	GLC-LH-SM	GE SFP, LC connector LX/LH transceiver	1
3	SGN Entity SFP on Aggregation POP		
1	GLC-LH-SM	GE SFP, LC connector LX/LH transceiver	1
4	SGN Entity IP Phones		
1	CP-7942G	Cisco UC Phone 7942	1
2	CON-CSSPD-CP7942	Shared Support NBD CP-7942G	1

Non-Cisco equipment:

#	Description	QTY
1	Child Domain Controller 1 DELL PowerEdge R410 Rack-mount Server 1X Intel Xeon E5506, 4C, 2.13GHz, 4M Cache 2GB memory, 2x 146GB 15K, DVD RW RAID controller, redundant power supply	1

#	Description	QTY
2	Child Domain Controller 2 DELL PowerEdge R410 Rack-mount Server 1X Intel Xeon E5506, 4C, 2.13GHz, 4M Cache 4GB memory, 2x 600GB 15K, DVD RW RAID controller, redundant power supply	1
3	Servers Cabinet DELL PowerEdge 42U Rack Cabinet Include the following: 2X doors (rear & front) 1X set of Cooling Fans (4 Fans) 2 X Low Power Distribution Unit (PDU) + Cables kit Rack equipment shelf / Keyboard Touchpad	1
4	UPS* Eaton – 11KVA UPS with SNMP card and Rack mounting kit	1

*UPS(هيئة تنظيم قطاع الطاقة والمعادن): Maklesan 10KVA, Valid Warranty for 2 years, delivery 23/4/2019

- سلطة منطقة العقبة الاقتصادية الخاصة

Item	Part No	Description	QTY
1	SGN Entity Cisco Catalyst 3560 24 port PoE Switch		
1	WS-C3560V2-24PS-E	Catalyst 3560V2 24 10/100 PoE + 2 SFP + IPS (Enhanced) Image	1
2	CAB-ACU	AC Power Cord (UK), C13, BS 1363, 2.5m	1
3	CON-CSSPD-V224PSE	SHARED SUPP SDS Catalyst 3560V2 24 10/100 PoE + 2 SFP En	1
2	SGN Entity Cisco ASA5510 Firewall		
1	ASA5510-BUN-K9	ASA 5510 Appliance with SW, 5FE,3DES/AES	1
2	CAB-ACU	AC Power Cord (UK), C13, BS 1363, 2.5m	1
3	SF-ASA-8.3-K8	ASA 5500 Series Software v8.3	1
4	ASA-VPN-CLNT-K9	Cisco VPN Client Software (Windows, Solaris, Linux, Mac)	1
5	SSM-BLANK	ASA/IPS SSM Slot Cover	1
6	ASA-180W-PWR-AC	ASA 180W AC Power Supply	1
7	ASA-ANYCONN-CSD-K9	ASA 5500 AnyConnect Client + Cisco Security Desktop Software	1
8	ASA5500-ENCR-K9	ASA 5500 Strong Encryption License (3DES/AES)	1
9	CON-CSSPD-AS1BUNK9	SHARED SUPP SDS ASA5510 w/ 50 VPN Peers, 3 FE, 3DES/AES	1
3	SGN Entity SFP on SGN Entity Switch		
1	GLC-LH-SM	GE SFP, LC connector LX/LH transceiver	1
4	SGN Entity SFP on Aggregation POP		
1	GLC-LH-SM	GE SFP, LC connector LX/LH transceiver	1
5	SGN Entity IP Phones		
1	CP-7942G	Cisco UC Phone 7942	1
2	CON-CSSPD-CP7942	Shared Support NBD CP-7942G	1

Non-Cisco equipment:

#	Description	QTY
1	Child Domain Controller 1 DELL PowerEdge R410 Rack-mount Server 1X Intel Xeon E5506, 4C, 2.13GHz, 4M Cache 2GB memory, 2x 146GB 15K, DVD RW RAID controller, redundant power supply	1
2	Child Domain Controller 2 DELL PowerEdge R410 Rack-mount Server 1X Intel Xeon E5506, 4C, 2.13GHz, 4M Cache 4GB memory, 2x 600GB 15K, DVD RW RAID controller, redundant power supply	1
3	Servers Cabinet DELL PowerEdge 42U Rack Cabinet Include the following: 2X doors (rear & front) 1X set of Cooling Fans (4 Fans) 2 X Low Power Distribution Unit (PDU) + Cables kit Rack equipment shelf / Keyboard Touchpad	1
4	UPS Eaton – 11KVA UPS with SNMP card and Rack mounting kit	1

- مبنى النظام المالي الموحد (GFMIS)

Item	Part No	Description	QTY
3	SGN Entity SFP on SGN Entity Switch		
1	GLC-LH-SM	GE SFP, LC connector LX/LH transceiver	1
4	SGN Entity SFP on Aggregation POP		
1	GLC-LH-SM	GE SFP, LC connector LX/LH transceiver	1
5	SGN Entity IP Phones		
1	CP-7942G	Cisco UC Phone 7942	1
2	CON-CSSPD-CP7942	Shared Support NBD CP-7942G	1

Non-Cisco equipment:

#	Description	QTY
1	Child Domain Controller 1 DELL PowerEdge R410 Rack-mount Server 1X Intel Xeon E5506, 4C, 2.13GHz, 4M Cache 2GB memory, 2x 146GB 15K, DVD RW RAID controller, redundant power supply	1
2	Child Domain Controller 2 DELL PowerEdge R410 Rack-mount Server 1X Intel Xeon E5506, 4C, 2.13GHz, 4M Cache 4GB memory, 2x 600GB 15K, DVD RW RAID controller, redundant power supply	1
3	Servers Cabinet DELL PowerEdge 42U Rack Cabinet Include the following: 2X doors (rear & front) 1X set of Cooling Fans (4 Fans) 2 X Low Power Distribution Unit (PDU) + Cables kit Rack equipment shelf / Keyboard Touchpad	1
4	UPS Eaton – 11KVA UPS with SNMP card and Rack mounting kit	1

أجهزة المديرية العامة لقوات الدرك

ITEM	Description	Quantity
Cisco Catalyst 3560 24 port PoE Switch	Catalyst 3560V2 24 10/100 PoE + 2 SFP + IPS (Enhanced) Image	1
SFPs on SGN Entity Switch	GE SFP, LC connector LX/LH transceiver	2
IP Phones	Cisco UC Phone 7942	1

SGN5 Equipments

- 8 Entities:**

#	Description	QTY
1	Child Domain Controller 1 DELL PowerEdge R420 Rack-mount Server 1X Quad-Core Intel Xeon E5- 2403 (1.8GHz, 10M Cache) 4GB memory, 2x 300GB 15K, DVD RW - RAID controller, redundant power supply	1
2	Child Domain Controller 2 DELL PowerEdge R410 Rack-mount Server 1X Quad-Core Intel Xeon E5- 2403 (1.8GHz, 10M Cache) 4GB memory, 2x 600GB 15K, DVD RW - RAID controller, redundant power supply	1
3	Servers Cabinet: DELL 42U Rack Cabinet Include the following: 2X doors (rear & front) 1X set of Cooling Fans (4 Fans) 2 X Low Power Distribution Unit (PDU) + Cables kit - Keyboard Touchpad - Cabinet Width 75 CM	1
4	8 Port KVM Switch None DELL	1
5	UPS: APC Smart-UPS Rackmount 10kVA /10KWatt 10KVA UPS with Rack mounting kit & SNMP card	1
6	"APC" Environmental Sensor for Humidity & Temperature.	1
7	Catalyst Switch WS-C3650-24PS-E: a. WS-C3650-24PS-E: Cisco Catalyst 3650 24 Port PoE 4x1G Uplink IP Services b. S3650UK9-33SE: CAT3650 Universal k9 image c. PWR-C2-640WAC: 640W AC Config 2 Power Supply d. CAB-TA-UK: United Kingdom AC Type A Power Cable	1 1 1 1

	e. CON-SCN-WS6524PS: SC CORE 8X5XNBD Cisco Catalyst 3650 24 Port PoE 4x1G Upl	1
8	Cisco SFP: a. GLC-LH-SMD=1000BASE-LX/LH SFP transceiver module MMF/SMF 1310nm DOM	2
9	Cisco IP Phone: a. CP-7942G= Cisco UC Phone 7942 spare	1
	b. CON-SCN-CP7942: SC CORE 8X5XNBD Cisco Unified IP Phone 7942	1

- المؤسسة العامة للغذاء والدواء

#	Description	QTY
1	Child Domain Controller 1 DELL PowerEdge R420 Rack-mount Server 1X Quad-Core Intel Xeon E5- 2403 (1.8GHz, 10M Cache) 4GB memory, 2x 300GB 15K, DVD RW - RAID controller, redundant power supply	1
2	Child Domain Controller 2 DELL PowerEdge R410 Rack-mount Server 1X Quad-Core Intel Xeon E5- 2403 (1.8GHz, 10M Cache) 4GB memory, 2x 600GB 15K, DVD RW - RAID controller, redundant power supply	1
3	Servers Cabinet: DELL 42U Rack Cabinet Include the following: 2X doors (rear & front) 1X set of Cooling Fans (4 Fans) 2 X Low Power Distribution Unit (PDU) + Cables kit - Keyboard Touchpad - Cabinet Width 75 CM	1
4	8 Port KVM Switch None DELL	1
5	UPS: APC Smart-UPS Rackmount 10kVA /10KWatt 10KVA UPS with Rack mounting kit & SNMP card	1
6	"APC" Environmental Sensor for Humidity & Temperature.	1
7	Catalyst Switch WS-C3650-24PS-E: f. WS-C3650-24PS-E: Cisco Catalyst 3650 24 Port PoE 4x1G Uplink IP Services	1
	g. S3650UK9-33SE: CAT3650 Universal k9 image	1
	h. PWR-C2-640WAC: 640W AC Config 2 Power Supply	1
	i. CAB-TA-UK: United Kingdom AC Type A Power Cable	1
	j. CON-SCN-WS6524PS: SC CORE 8X5XNBD Cisco Catalyst 3650 24 Port PoE 4x1G Upl	1
8	Cisco Firewall ASA5512-K9: a. ASA5512-K9: ASA 5512-X with SW 6GE Data 1GE Mgmt AC 3DES/AES	1

	b. SF-ASA-X-9.1-K8: ASA 9.1 Software image for ASA 5500-X Series5585-X & ASA-SM	1
	c. CAB-ACU: AC Power Cord (UK) C13 BS 1363 2.5m	1
	d. ASA-VPN-CLNT-K9: Cisco VPN Client Software (Windows Solaris Linux Mac)	1
	e. ASA5500-ENCR-K9: ASA 5500 Strong Encryption License (3DES/AES)	
	f. ASA5512-MB: ASA 5512 IPS Part Number with which PCB Serial is associated	1
	g. ASA-ANYCONN-CSD-K9: ASA 5500 AnyConnect Client + Cisco Security Desktop Software	1
	h. CON-SCN-A12K9: SC CORE 8X5XNBD ASA 5512-X w/SW	1
9	Cisco SFP: b. GLC-LH-SMD=1000BASE-LX/LH SFP transceiver module MMF/SMF 1310nm DOM	2
10	Cisco IP Phone: c. CP-7942G= Cisco UC Phone 7942 spare	1
	d. CON-SCN-CP7942: SC CORE 8X5XNBD Cisco Unified IP Phone 7942	1

الأجهزة المستخدمة في ربط فواتيركم

#	Equipment	QTY
1	Catalyst Switch WS-C3650-24PS-E 8X5XNBD Cisco Catalyst 3650 24 Port PoE 4x1G Upl	2
2	Cisco SFP 1000BASE-LX/LH SFP transceiver module MMF/SMF 1310nm DOM	4

أجهزة فرع إربد للبنك المركزي

*These equipments is under valid warranty for 3 years starting from the Delivery Date(21/11/2016)

#	Equipment
1	Child Domain Controller DELL PowerEdge R430 Rack-mount Server

	2x300GB SAS (15k RPM) Hot pluggable Hard Drive
2	Catalyst Switch WS-C3650-24PS-E SC CORE Cisco Catalyst 3650 24 Port PoE 4x1G Upl
3	Cisco SFP (2) 1000BASE-LX/LH SFP transceiver module MMF/SMF 1310nm DOM

PKI Equipments

#	Equipment	QTY
1	DELL PowerEdge R910 Server 4x Intel Xeon E7520 Processor (1.86GHz, 18M Cache, 4C) 64GB Memory, ECC DDR3 2x 146GB SAS Hard Drive, RAID Controller (Support all RAID levels) DVD+/-RW Drive 8 x Gigabit Ethernet Controllers 2 x Single Port 10G Base-T Network interface card	4
2	DELL PowerEdge R510 Server 1 x Intel Xeon E5507 processor (2.26GHz, 4M Cache, 4C) 4GB Memory, ECC DDR3 2x 146GB SAS Hard Drive, RAID Controller (Support all RAID levels) DVD+/-RW Drive 2 x Gigabit Ethernet Controllers	6
3	DELL PowerEdge R710 Server 2 x Intel Xeon X5650 Processor (2.66Ghz, 12M Cache, 6C) 48GB Memory, ECC DDR3 2x 146GB SAS Hard Drive, RAID Controller (Support all RAID levels) DVD+/-RW Drive 4 x Gigabit Ethernet Controllers 2 x Single Port 10G Base-T Network interface card	2
4	DELL PowerEdge R710 Server 1x Intel Xeon X5650 Processor (2.66Ghz, 12M Cache, 6C) 64GB Memory, ECC DDR3 5x 146GB SAS Hard Drive, RAID Controller (Support all RAID levels) DVD+/-RW Drive 4 x Gigabit Ethernet Controllers	4
5	DELL PowerEdge R510 Server 1 x Intel Xeon E5507 processor (2.26GHz, 4M Cache, 4C) 4GB Memory, ECC DDR3 2x 146GB SAS Hard Drive, RAID Controller (Support all RAID levels) DVD+/-RW Drive 2 x Gigabit Ethernet Controllers	4
6	DELL EquaLogic PS6010XV SAN Storage 8 X 600GB, 15K SAS 2 x PowerConnect 8024F 10GbE Managed L3 Switch, 24x SFP+ 10Gb	2
7	CISCO 48-Port with Giga speed (Production Environment (Catalyst 2960S 48 GigE PoE 370W, 4 x SFP LAN Base GE SFP, LC connector SX transceiver SHARED SUPP SDS Cat 2960S Stk48 GigE PoE 370W,4xSFP LBas(	2
8	Catalyst 2960S 24 GigE PoE 370W, 4 x SFP LAN Base GE SFP, LC connector SX transceiver SHARED SUPP SDS Catalyst 2960S Stack	2
9	CISCO Firewall ASA5512	2

Operations Center – NITC Equipment

Entity	Description	Qty
Operation Center - NITC		
VS-S720-10G-3C=	Cisco Catalyst 6500 Series Virtual Switching Supervisor Engine 720 with two 10 Gigabit Ethernet ports and MSFC3 PFC3C	4
WS-X6748-GE-TX=	Cat6500 48-port 10/100/1000 GE Mod: fabric enabled, RJ-45	2
WS-X6748-GE-TX=	Cat6500 48-port 10/100/1000 GE Mod: fabric enabled, RJ-45	2
WS-X6748-GE-TX=	Cat6500 48-port 10/100/1000 GE Mod: fabric enabled, RJ-45	2
WS-X6724-SFP=	Catalyst 6500 24-port GigE Mod: fabric-enabled (Req. SFPs)	2
NPE-G2=	7200 series NPE-G2 engine with 3 GE/FE/E ports, SPARE	2
ACE30-MOD-K9=	Application Control Engine 30 Hardware	2
ACE30-MOD-K9=	Application Control Engine 30 Hardware	2
ASA5585-S20-K9	ASA 5585-X Chassis with SSP20,8GE,2 SFP,2 Mgt,1 AC, 3DES/AES	2
WS-C2960G-24TC-L	Catalyst 2960 24 10/100/1000, 4 T/SFP LAN Base Image	1
WS-C2960G-24TC-L	Catalyst 2960 24 10/100/1000, 4 T/SFP LAN Base Image	1
WS-C2960G-24TC-L	Catalyst 2960 24 10/100/1000, 4 T/SFP LAN Base Image	1
UCS-C200M2-VCD2	Bare Metal UCS C200M2 Svr.,2xE5506 CPU,24GB RAM,4x1TB HDD	3
CP-7942G *	Cisco UC Phone 7942	20

Cisco Equipment License

Entity	Description	Qty
SGN-VPN-ASA	ASA5520	1

SGN 4 Dell UPS

Entity	Description	Qty
UPS	Eaton – 10KVA UPS with SNMP card and Rack mounting kit	19

SGN Equipment at the Operations Center (NITC)

Entity	Description	Qty
GOJHTE01	FUJITSU SIEMENS PRIMERGY RX200 S3	1
GOJHTE02	FUJITSU SIEMENS PRIMERGY RX200 S3	1
GOVDC001	Dell PowerEdge 1950	1
GOVDC002	Dell PowerEdge 1950	1
GOJDNS01	Dell PowerEdge 1950	1

GOJDNS02	Dell PowerEdge 1950	1
CSM	Dell PowerEdge 1950	1
LMS	Dell PowerEdge 1950	1
ACS	Dell PowerEdge 1950	1
GOVERDCO01	Dell PowerEdge 1950	1
GOVERDCO02	Dell PowerEdge R310	1
GOVERDCO03	Dell PowerEdge R310	1
GOVERHVBE11	Dell PowerEdge R910	1
GOVERHVBE12	Dell PowerEdge R910	1
GOVERHVBE13	Dell PowerEdge R910	1
GOVERHVBE14	Dell PowerEdge R910	1
GOVERHVDZ11	Dell PowerEdge R810	1
GOVERHVDZ12	Dell PowerEdge R810	1
GOVERMBXN11	Dell PowerEdge R710	1
GOVERMBXN12	Dell PowerEdge R710	1
GOVERMBXN13	Dell PowerEdge R710	1
GOVERMBXN14	Dell PowerEdge R710	1
GOVERSQL11	Dell PowerEdge R710	1
GOVERSQL12	Dell PowerEdge R710	1
GOVERFEP11	Dell PowerEdge R310	1
GOVERBES11	Dell PowerEdge 2950	1
GOVERDPM11	Dell PowerEdge R610	1
GOVERVMM11	Dell PowerEdge R310	1
GoverBCK11	Dell PowerEdge 1950	1
GoverShare	Dell PowerEdge 2950	1
ESBpBAM01	Dell PowerEdge 2900	1
ESBpBAM02	Dell PowerEdge 2900	1
ESBpBT01	Dell PowerEdge 1950	1
ESBpBT02	Dell PowerEdge 1950	1
ESBpBT03	Dell PowerEdge 1950	1
ESBpBT04	Dell PowerEdge 1950	1
esbpdco01	Dell PowerEdge 1950	1
ESBpDCO02	Dell PowerEdge 1950	1
ESBpMSG01	Dell PowerEdge 2900	1
ESBpMSG02	Dell PowerEdge 2900	1
ESBpSCOM01	Dell PowerEdge 1950	1
ESBpSCOM02	Dell PowerEdge 1950	1
ESBpWFE01	Dell PowerEdge 1950	1
ESBpWFE02	Dell PowerEdge 1950	1
ESBpWP01	Dell PowerEdge 1950	1
ESBpWP02	Dell PowerEdge 1950	1
ESBpISA01	Dell PowerEdge 1950	1
ESBpISA02	Dell PowerEdge 1950	1
ESBsBAM01	Dell PowerEdge 2900	1
ESBsBT01	Dell PowerEdge 1950	1

ESBsBT02	Dell PowerEdge 1950	1
esbsdco01	Dell PowerEdge 1950	1
ESBsMSG01	Dell PowerEdge 2900	1
ESBsWFE01	Dell PowerEdge 1950	1
ESBsWP01	Dell PowerEdge 1950	1
ESBsISA01	Dell PowerEdge 1950	1
Staging	Dell PowerEdge 1950	1
EPMPRDHST1	Dell PowerEdge R520	1
EPMPRDHST2	Dell PowerEdge R520	1
CloudDCo02	Dell PowerEdge 1950	1
CloudHSTFM01	HP ProLiant DL360p Gen8	1
CloudHSTFM01	HP ProLiant DL360p Gen8	1
One HP BLc7000 3 IN LCD ROHS Enclosure		
CLOUDHSTF05	HP ProLiant BL460c Gen8	1
CLOUDHSTF06	HP ProLiant BL460c Gen8	1
CLOUDHSTF07	HP ProLiant BL460c Gen8	1
CLOUDHSTF08	HP ProLiant BL460c Gen8	1
CLOUDHSTF14	HP ProLiant BL460c Gen8	1
CLOUDHSTF13	HP ProLiant BL460c Gen8	1

Entity	Description	Qty
Dell EMC	Dell EMC CX300	1
Dell EMC	Dell EMC CX4-240	1
Fujitsu	Fujitsu Storage	1
HP	HP P4800 42TB SAS SAN Solution for BladeSystem	1
Dell	Dell Tape Library ML 6000	1

OPS Center Cisco Equipment List

SGN-1 OPS Center Cisco Equipment List

Product	Description	Qty.
MultiLayer Switches	Catalyst 6513 Chassis	2
	Catalyst 6500 Supervisor Engine-2, 2GE, plus MSFC-2 / PFC-2	2
	Power Cord, 250Vac 16A, INTL	4
	1000BASE-SX Short Wavelength GBIC (Multimode only)	36
	Catalyst 6000 2500W AC Power Supply	2
	Catalyst 6000 Second 2500W AC Power	2
	Catalyst 6000 MSFC2 IOS SERVICE PROVIDER W/VIP	2
	Catalyst 6500 16-port GigE Mod: Fabric-Enabled (Req. GBICs)	2
	Distributed Forwarding Card	2
	128MB DRAM for DFC	2
	Catalyst 6500 Switch Fabric Module 2	2
	Catalyst 6500 48-port 10/100, RJ-45, x-bar	2
	Distributed Forwarding Card	2
	128MB DRAM for DFC	2
	Catalyst 6000 MSFC-2 Mem, 128MB DRAM Option	2
	Cisco 6500 Switch Fabric Module 2 (Module WS-S6500-SFM2)	4
Collection Router	7206VXR with NPE-400 and I/O Controller with 2 FE/E Ports	1
	Cisco 7200 AC Power Supply Option	1
	Cisco 7200 Redundant AC Power Supply Option, 280W	1
	Power Cord UK	2
	Cisco 7200 I/O PCMCIA Flash Disk, 128 MB Option	1
	V.35 Cable, DTE, Male, 10 Feet	6
	4 Port Serial Port Adapter, Enhanced	2
Internet Gateway router		
	4 Port Serial Port Adapter, Enhanced	2
	V.35 Cable, DTE, Male, 10 Feet	8
VPN ASA	ASA 5520 VPN Plus License	2
	ASA v8.0(3)6 software	2
	430MB RAM	2
port STM1 adaptor	1 port multichannel STM1 single port adaptor	1
WS-C3560-24PS-S	Catalyst 3560 24 10/100 PoE + 2 SFP + IPB Image	1

SGN-3 OPS Center Cisco Equipment List

Product	Description	Qty.
WS-C6513	Cisco Catalyst 6513	2
	Cisco CAT6000-SUP720 IOS IP W/SSH/3DES LAN ONLY	2

	Catalyst 6000 Content Switching Module	2
	CSM 4.1(1) Software Release	2
	Catalyst 6500 16-port GigE Mod, fabric-enabled (Req. GBICs)	2
	Catalyst 6500 16-port 10/100/1000 GE Module, Cross-Bar	4
	Catalyst 6000 2500W AC Power Supply	4
	Power Cord, 250Vac 16A, INTL	4
	Catalyst 6500/Cisco 7600 Supervisor 720 Fabric MSFC3 PFC3B	2
	VMS 2.2 WIN BASIC 5 Device Restricted	2
	High Speed Fan Tray for Catalyst 6513 / Cisco 7613	2
	1000BASE-SX Short Wavelength GBIC (Multimode only)	10
WS-C6513	Cat 6513 Chassis, 13slot, 19RU	1
	Cisco CAT6000-SUP720 IOS IP	1
	Catalyst 6500/Cisco 7600 Supervisor 720 Fabric MSFC3 PFC3B	2
	Catalyst 6500 16-port 10/100/1000 GE Module, Cross-Bar	1
	High Speed Fan Tray for Catalyst 6513 / Cisco 7613	1
	Catalyst 6000 2500W AC Power Supply	2
	Power Cord, 250Vac 16A, INTL	2
	1000BASE-T GBIC	2
	1000BASE-SX Short Wavelength GBIC (Multimode only)	4
WS-C6513	Cat 6513 Chassis, 13slot, 19RU	1
	Cisco CAT6000-SUP720 IOS IP	1
	Catalyst 6500 16-port 10/100/1000 GE Module, Cross-Bar	1
	High Speed Fan Tray for Catalyst 6513 / Cisco 7613	1
	Catalyst 6000 2500W AC Power Supply	2
	Power Cord, 250Vac 16A, INTL	2