



**LIST OF TYPE APPROVED CDMA/GSM/BROADBAND
EQUIP/MICROWAVE/SWITCHES/LOW POWER RF/BTS/RBS etc.
(as at December 11, 2009)**

S/N	NAME OF CLIENT	EQUIPMENT TYPE APPROVED	MODEL No.	MANUFACTURER
1.	7Layers AG, Germany	Siemens Bluetooth	BTCOMB	Siemens AG, Germany
		Continental Bluetooth Module	BPM(B)	CAS UK Ltd
		Car Comfort System	SYNC_EPHNA BMW TCU 1.5 ECE	Continental Automotive
		Bluetooth Module	Head Unit W221/C216 MOPF	Motorola, USA.
		Bluetooth Module	Sync	Ford Sinn GnbH
		Vehicle Diagnostic Interface	ICOM	I + ME ACTIA, GmbH
2.	ACCAT Nigeria Ltd	Digital Microwave Radio	Codan 8800	Codan PTY, Australia
3.	Alcatel Nigeria Limited	Evolium 9100 Base Station	Evolium 9100	Alcatel, France
		Evolium 9130 BSC/MFS	Evolium 9130	
		Alcatel Transcoder	Transcoder 9125	
		Alcatel Evolium	Evolium A1353 RA OMC-R	
		Alcatel Base Station	UMTS Base Station (Node B)	
		Alcatel Base Station	UMTS Radio Network Controller	
		Alcatel ADM 1660SM	ADM 1660SM	
		Alcatel Multiplexer 1642EM	1642EM	
4.	Aperto Networks	Packet Wave System	Packet Waves Models: 5000, 3000, 1000, 760, 380, 320, 300, 230 and 220	Aperto Networks

5.	AT4 Wireless Spain	Realtek 802.11b/g Minicard	RTL8187SE	Realtek Semiconductor Inc., Taiwan
		Class 2 Bluetooth	EYTFXCS Class 2 Bluetooth 2.0EDR	Taiyo Yuden Inc, Japan
		WLAN PCI Half Size Mini-Card	QMI EM304	
6.	ASCON Nigeria Plc	L-Band VSAT Modem	CDM-57OL, 2.4M Paradise 3100-20C	Comtech
7.	BCN Nigeria Ltd	Optical Synchronous Digital Multiplexer	GF 2488 – 01D	Wuhan Research Institute of Post and Telecoms, China
			GF 2488 – 01B (ADM)	
			GF 2488 – 01B™	
8.	Bello Osagie and Co.	Concerto Digital Communication Processor	DCP00	Aspect Software, USA
9.	Betel Associates Telecoms Consultant	PDH Microwave Radio	ML 1500, ML 1300, ML 0800 and ML 0700	Comba Telecoms Ltd., China
10.	CETECOM, Germany	Passive Anti-theft Transceiver Equipment	D7520013	Omron Automotive Electronics, USA.
		Bluetooth with 802.11 b. g and Analog Modem	CF-19	Panasonic Services Europe, Germany
		Toshiba Notebook with WLAN (802.11a/b/g/n) Bluetooth and	PSSE1E	Toshiba Europe, Germany
		Delphi Analogue Modem	D40-AM5	
		Analogue Modem	RD02-D330	Delphi
		Vehicle Immobilizer System	MW1014	Continental Automotive, GmbH
		Toshiba WLAN-WiFi 802.11 (b/g/n)	AR5B91	Toshiba Europe, Germany
		Toshiba Bluetooth Module	EYTFXCS & EYTFEBS	

	CETECOM, Germany	Toshiba WLAN-WiFi intel 802.11(b/g/n)	13ch-SP1x2MC & 13ch- SP1x2MOW	
		Smart Keyless System	SKE11B-03	Mitsubishi
		Normal Keyless System	SKE126-01	
		Immobilisation System	IMB111-03	
		iTools Application	ISAPBMW	BMW
11.	Chams Access	Chams Access Kiosk	Plinth G5	Chams
	Cobranet Limited	2100MHz Terminal	CN438 CN438W CN28 CN68	Beijing Xinwei Telecom Technology Inc.
		2100 MHz Base Station	XW5000-21	
12.	Coscharis, Nigeria	Nokia Bluetooth Car Kit	RX-1	Nokia GmbH, Finland
	Continental Automotive Systems, UK	Continental Bluetooth Phone Module	BPM	Continental Automotive Systems, UK
13.	Continental Automotive GmbH Germany	Vehicle Passe System	S122736006	Continental Automotive GmbH, Germany
		Immobiliser System	5WY7975	
		Continer Fob Reader	5WY7700	
		Card Reader	A2C53247609	
		Radio frequency transmitter	S180029002	
			S180029001	
			S122736006 5WK49609 5WK49609B	
		Vehicle passe System Receiver Module	5WK48812 5WK48813	
		Vehicle Keyless Entry System	S122736011	
14.	C.Vinan Communications (WA) Limited	Tower Mounted Amplifier (TMA) GSM 900	G2001901	Remec Himark, China

15.	DCC Satellite Networks Limited, Lagos	Sky-Edge VSAT Satellite Modem	Skyedge PRO Skyedge IP	Gilat Satellite Networks Limited, Israel
16.	Direct on PC	(Indoor Unit) IDU	WEB – SAT	Main Net Communications
		Powerline Coms Device	Plus Network Nt Rp Plus Version 31	
		Powerline Coms Device	Plus Network Rp Plus	
		Satellite Terminal Equipment	IPSAT	
17.	Dizzengoff Nigeria Ltd.	Nortel WLAN Access point	2332-E3	Nortel, Canada
		ECS Notebook with WLAN Modules	E09I1 and E09I6	Elite Group Computer Systems Ltd, Taiwan
18.	Dragon Waves	Horizon Compact Microwave Radio	Horizon Compact CL-XP-XX-BX-X	Horizon
19.	Electronic Connections Limited , Kano	2.4GHz Wireless Broadband Systems	M2400S-SU	Trango Systems Inc., USA
20.	EIL Telecom Limited, Lagos	Mitel VOIP Integrated Communications platform with IP Phones	MN:3300 ICP PABX	Mitel Networks, Canada
21.	Eltel Communication Ltd	TDM Switching Exchange (Digital Exchange Telephone)	ISDX – Digital Exchange Realitis DX	Siemens, UK
		TDM Switching Exchange (Switch Prepaid Platform)	IPNX Transit Exchange	Phone Control Ltd, UK
22.	Eurofin SETS Products Services GmbH	Bluetooth Connector	BT-PSC	Peiker Acoustic GmbH & Co. KG, Germany.
23.	Gateway Telecoms Ltd	Cambridge Base Station Equipment Cambridge Customer Premises Equipment	AP-10G-M-90-V/H CPE-10G-MA-SM-V/H	Cambridge Inc.
24.	General Telecoms Plc	Aireach Broadband 9400 Radio System, Hub and Remote	Aireach Broadband 9400	Hughes Networks Systems, USA
25.	Gilat Satcom, Nigeria	Prodeline RX/TX 1.8M type 1184-480-LC Band Circular pol Antenna	1184-480-LC Band	General Dynamics Satcom Technologies, USA
26.	Hampoc-AG Nig. Ltd.	Automotive Water Meter	E-Coder R900i	Neptune Technologies Inc, USA

27.	Harman Becker Automotive Systems	Bluetooth Car Kit	Mulf 2	Harman Becker / Automotive Systems
28.	Harris Communications System Nigeria Limited	Microwave Radio	True Point 4000 & True Point 5000	Harris Communications
		Microwave	Starview	
		Netboss	Netboss	
		Microster	M and M/H	
		Megastar	155 and 155 /ATM	
		Clearburst 3.5 Remote Station	RS 100, RS 150 and RS 200	
		Aurora	2400 and 5800	
		Microwave radio	Truepoint 6500 Series	Harris Stratex Networks, USA.
29.	Huawei Technologies Co. Nigeria Ltd	CDMA Wireless Gateway	E 960	Huawei Technologies, China
		CDMA Mobile Modems	EC226, EC325, EC321	
		M 2000	M 2000	
		IN	IN (SCP, SMS, SSP/IP, SCE, AIP, SMSC)	
		CDMA 2000 1x	CDMA 2000 1x (450 MHz)	
		GSM (HLR/AUC, G/MSC/VLR, BSC and Series BTSs)	2G (900 MHz and 1800 MHz) BTS 312, BTS 3002C	
		IN	InfoX Mobile Data Service System (WAP Gateway, MMSC, ITELLIN	
		Fix Network	C & C 08 Digital Switching System	
		GPRS (PCU, SGSN, GGSN, CG)	SGSN 9810, SGSN 35, PCU and GN 9812	
		CDMA FWT	CDMA FWT ETS 1000 Series, CDMA FWT ETS 2000 Series	
		Wireless	UMTS System (MSC, UMG, HLR, RNC)	

	Huawei Technologies Co. Nigeria Ltd	CDMA 2000 1x	CDMA 2.5G (800 MHz and 1900MHz)	
		Optics System	OptiX SDH System	
		IP Datacom	15 (1) Quidway Net Engine Routers (AR46, AR28, AR18): 15(3)	
		3G HSDPA USB Modem	E220	
		3G HSDPA Data Card	E630	
		Optix RTN 600 Radio Transmission System USB Modem	RTN 600 EC168	
		CDMA Base Transceiver Station	BTS3606E	
		Wimax Equipment	BTS-DBS3900 &WASN-GW 9770	
		Huawei BTS	BTS3900,3900A, 3900C, 3900D, 3606AC & BTS 3606CE	
		Core Network	GGSN 9811, NAU	
		WI-Fi LAN Adapter	D100	
30.	Hyperia Limited	Navini Networks Ripwave Wimax Modem	LMX/PCM	Navini Networks, USA
31.	IDS Africa, Lagos	BreezeMax 3000 Modular Base Station	BreezeMax 3000	Alvarion, USA
32.	IHIS Nig Ltd	Digital Microwave Radio	Proteus AMT CM	Microwave Networks International Equipment
33.	Intel Corporation France	Intel PRO/Wireless 3945 a/b/g Network Connector	WM 3945 a/b/g	Intel Corporation
		WiFi Link Transceiver	4965 AGN WLAN Transceiver	
		WiFi Link Transceiver	4965 AG_ WLAN Transceiver	
34.	iPNX Nigeria Limited	NPM 2000 all IP Multimedia Broadband Access Base Station	NPM 2000	SOMA Networks, USA.

35.	Iskratel Telekomunijacijski	Switch	Iskratel SI2000	Iskratel
36.	International Compliance Management	Juniper Internet Router Wireless LAN Adapter	M120 Base AC WISO9ABGN	Juniper Yaiyo Yuden
37.	Lexmark USA	Lexmark Fax Machines	X 7350 X 8350	Lexmark USA
38.	Lite-on Technology, Corporation, Taiwan	Lite-on WLAN PCI-e cards	WN7600R-A WN7600R-MV WN7600R-N	Dong Guan G-com Computer Company, Limited
39.	LM Ericsson	CDMA	IS – 95	LM Ericsson
		Radio and Switching Sub-systems	RBS 2206, RBS 1127, BSC 1120 and AXE 810	
		Microwave Sub-systems	Minilink E, Citylink with Multiplexers, Focus and DXX	
		Radio Base Station	Ethernet Digital Subscriber Line Access Wireless Packet Platform	
		Mini-Links	TN, HC and BAS	
		Telecoms Equipment	RBS (2207, 2308, 2309, 1130, 1140); Mini-Links (TN, HC, BAS): TSP; WPP; PDSN: EDA	
40.	Medallion Communications Ltd	Switch	ISS 7000 Switch	Syncra Communications Ltd, UK
41.	Mike Testing	Continental Car Immobilizer	5WK49005	Continental Automotive, Germany
		Continental Remote Keyless Entry System	5WK49093 and 5WK43449	
		Panasonic Bluetooth Car Access System	Bluetooth C5ZZZ0000037 CAS4	Panasonic Continental Temic
42.	Mobile Net Technology Ltd	Video Browser &Data Interface Adapter	5Linx Video Browser & HT 502 ATA	Leadtek & Cisco Systems
43.	Mobile Vouchers Ltd	Smart Terminal Voucher	Sagem Monetel EFT-30	Sagem Monetel, China
44.	Monarch Communications	Lucent Switch	5ESS Base Station Subsystem ZXC 10	Lucent Technologies

45.	Motorola GmbH, Germany	Motorola Emerald Terminal with ring scanner	F 5071A	Motorola GmbH, Germany
46.	Multilinks Limited	CDMA 2000 1x	Nortel DMS-MTX-XA	Nortel
47.	Musty Digital & Security Systems Ltd	IC-Chip Wireless Public Payphone	TRI – S102	Truetel Telecoms Technology (PR of China)
48.	Mweb Nig. Ltd.	Linkstar – 2 Way VSAT Terminal Equipment	123	Channel Masters, USA
49.	Nero Microwave Nig Ltd	Microwave Systems	Evolution Series Mero Microwave System Versatile	Nera, Norway
50.	NEC Corporation, Japan	NEC Pasolink 5000S Microwave Radio	50000s	NEC Corporation, Japan
		NEC Pasolink NEO/C Microwave Radio	NEO C	
		NEC Pasolink PASO V4 Microwave Radio	V4	
		NEC Pasolink NEO Microwave Radio	NEO	
51.	Netcom Africa Equipment	NetModem	iDirect NetModem ii Plus	iDirect Technologies, USA
52.	Net Equipment Inc.	Universal Voice Exchange	NET-VX1800	NET Inc.
53.	Nokia Siemens, Finland	Radio Network Controller	RNC/A7	Nokia Siemens, Finland
		Base Transceiver Station	Flexi EDGE	
		Base Station Controller	BSC3i/B12	
		Transcoder	TSCM 3i	
		Node B	Flexi WCDMA Node B	
54.	Omnes Communications Nigeria Ltd	SkyWAN IDU 3000	SkyWAN IDU 3000	ND Satcom, Germany.
		Comtech CMD 600	CDM 600	Comtech EF Data, USA.
55.	Products Compliance Specialist, UK	Aruba Wireless Network	AP70	Aruba Networks, USA
		Ashkey Computer Bluetooth 2.1 +EDR Module	BTU1030	Ashkey Computer Corporation, Taiwan
56.	Prest Cable & TV System Ltd	Amdocs Convergence Platform	AMDOC	Amdocs

57.	Qcom Technologies, Taiwan	Bluetooth 2.4GHz Module	QBT 400UB	Qcom Technologies, Taiwan
58.	Quanta Microsystem Inc., Taiwan	LAN PCIe Minicard	AR5BXB63	Quanta Microsystems Inc. , Taiwan
59.	Rochester Technologies, Abuja	MSI Bluetooth	MS-6837D	Microstar International Company limited, Taiwan.
		Cordless Mouse	M-RBV114	Dell Global BV, Singapore
		Transceiver Mouse	C-UMA35	
		Cordless Keyboard	Y-RBP-DEL4	
		Ralink WLAN Minicard 2.4GHz	RT2700E	Ralink Technologies Corporation, Taiwan
		Micro-Star WLAN Card	MS-6877	Micro-Star International Company Ltd., Taiwan
		Satellite Routers LNB, BUC and Antenna Inclusive	iDirect Satellite Routers: 15000, 7000, 5000, 3000 and 1000 Models	iDirect Technologies, USA
		Evolution Satellite Router	Evolution X3 Evolution X5	
		iDirect Series Universal 4-slot hub	12100	
		Realtek RTL8187B 802.11b/g mini card	RTL 8187B	Realtek Semiconductor Corporation, Taiwan
		IEEE 802.11b/g	US101	Quanta Microsystems Inc.
		Realtek 802.11a/b/g/n MiniCard	RTL8191SU	Realtek Semiconductor Corporation, Taiwan
		Juniper LAN Accelration Platform	WXC 3400 & WXC 2600	Juniper Networks, California, USA.
		Wireless Vibration Transmitter	CSI 9420 (Approved for 2.4GHz band only)	Taiyo Yuden, Taiwan
Wireless LAN Adapter	WIS09ABGN-G			
Bluetooth Module	EYTMECS			

	Rochester Technologies, Abuja	BlueSlim Bluetooth Module	BSMAN 3	
		Taiyo Bluetooth Module	EYTF3CSFT	
		Epson IEEE802.11b/g/n1x1WLAN Module	[SP88W8786-MDO-2C2T00	
60.	SEC Equipment, Abuja	Shiron Intersky Gateway System	iRG-S2	Shiron Satellite Communications Limited, Israel
61.	Siemens VDO Automotive AG, Germany	Siemens VDO Radio Frequency Transmitter	5WK49243	Siemens VDO Automotive AG, Germany
		Siemens VDO Immobiliser System	5WK49215	
		Siemens VDO Radio Frequency Receiver	5WK49096	
		Siemens VDO Automotive Radio Frequency Transmitter	5WK45693	
		Siemens VDO Automotive AG, Germany	5WK49167	
		Siemens VDO Automotive Radio Frequency Transmitter	5WK49542	
		Siemens VDO Radio Frequency Transmitter	5WK48801	
		BCM Body Control Module (Vehicle Remote Keyless Entry & Immobiliser Systems	A2CF53186521	
		Siemens VDO Keyless Vehicle Module	5WK48770	
62.	Starcoms Nigeria Ltd	EVDO Card	Novatel Merlin V620	Novatel Wireless USA

63.	Standard Digital Ltd	11bgn ITIR WLAN Minicard	RT30901T1R & RT3090	Ralink Technology Corp., Taiwan.
64.	Steam Broadcasting and Communications Ltd	3.8M C-Band Prodelin Antenna, 4.9M C-Band Prodelin Antenna	Prodelin 1383 ES49 2CPNC-1	Satcom
		4.9M C-Band Andrew Antenna	PD10-L	Andrew Systems and Solutions Inc.
65.	Stratex Networks Nig Ltd	Microwave Radio Equipment	XP4 Plus, Altium, DXR 700, Eclipse ODU	Stratex Networks
66.	Symbol Technologies Inc	Data Terminal Equipment	4121 GPRS	Symbols Technologies
		Symbol Vehicle Computer	VC 5090	
		Symbol Vehicle Computer	MC 9090	
		EWSD/MSC; MSC Software; BTS; Transmission	EWSD Version 16, SR9, SR10, and SR 11, BS 82, BS 42/47	Siemens
67.	Tekelec, USA	Tekelc Eagle 5 Integrated Signalling System	Eagle STP	Tekelec, USA.
68.	Teledom International Ltd.	Broadband Wireless Access System	Walkair 3.5	Alvarion
			Multi Gain Wireless (EMGW 2.4, 3.5, 5.8)	
			Walkair (10.5GHz and 26GHz)	
			Breeze Access (OFDM 3.5)	
			Breeze Access (GFSK XL 3.5)	
69.	Teleglobe Communications Nigeria Ltd	IBM RS6000 Server and Port Master Router	RS6000 B5	IBM
		Port Master Router	Router 3.0	
70.	TGC Communications AB (Agere Systems)	Internal MDC Modem	Delphi 40	Agree Systems Inc., USA
71.	Universal Payment Systems Limited	Positron Point of Sales Terminal	Positron GPRS EFTPOS	Positron Inc

72.	ZTE	CDMA Equipment	Base Station Subsystem ZXC 10; Short Message Service Center SMSC; Packet data Subsystem ZXPDS; Decision Support System ZXDSS: Intelligent Network	ZTE, China
		Broadband Wireless Access Point	LAN DSSS (2.4 GHz) PC Card Access Point W 100A, Cards W100 c/W 150C, USB W200C	
		ZTE HSPDA	MF 330	
		ZTE Base Transceiver Station	ZXC 10 CBTS (12)	
		ZTE HSDPA USB Modem	MF626, MF627 & MF628	
		CDMA 1X EVDO Data Cards	AC8710 & AC2710	
		CDMA Wireless Data Terminal	AC1710 & MG880+	

NOTE: *This list is frequently updated. Any omission is regretted.*