

**GEOMATICS**  
**Capacity Building Initiative**  
**FEDERAL POLYTECHNICS IN NIGERIA**

**GeoQinetiq<sup>®</sup> Limited wishes to congratulate the staff and students of Kaduna Polytechnic, Federal Polytechnic Nekede, Federal School of Surveying Oyo and Federal Polytechnic Damaturu, upon the successful delivery of equipment, software and completion of the training component in support of the initiative of the National Board for Technical Education and the Education Trust Fund to deliver directly from Leica GeoSystems<sup>®</sup> of Switzerland – the leading manufacturer of equipment & technologies to capture accurately, model quickly, analyze easily, visualize and present spatial information – Geomatics equipment, technologies, support, training and long-term partnership.**

**BUILDER R200M PACKAGE** • CTB101 Tribrach W/O Optical Plummet - Black • GKL112, Battery charger UK • GEB111, 6V/1.8Ah small plug in camcorder battery • CPR105, Flat prism with double sided reflector • Reflector pole CPP105 snap-lock at 1,50m and 2,00m. • **TCR403 3" ZERO MINI PRISM PACKAGE** • TCR403 POWER 3" Reflectorless Total Station • GDF111-1, Basic Tribrach w/o Optical Plum. new green • GEV189 Data transfer cable lemo - USB 2m • GKL112, Battery charger UK • GEB111, 6V/1.8Ah small plug in camcorder battery • GMP111-0 Mini prism & Pole with 0mm Const • GST05L Metal Tripod, Telescopic • **TCA1201 1" Automatic Total Station** • TCA1201 1" Automatic Total Station C/W Touch Screen • GSD01 Communications Cover (Motorised Instrument) • GDF121 Tribrach Pro, w/o Optical Plum. new green • GEV189 Data transfer cable lemo - USB 2m • GKL221 Pro Charger & Cable (Req. GDI221/222 Plates) • GDI221 Adapter Plate for Charging GEB221/211 • GEB221 Lith-Ion Battery 4Ah Used With TPS/GPS • MCF32 32MB Compact Flash Card for GPS/TPS1200 • MCFAD1 Compact Flash PC Card Adapter • On-Board Software - TPS1200 • TPS1200 Application "Reference Line" • TPS1200 Application "Sets Of Angles" • TPS1200 Application "Traverse" • TPS1200 Application "DTM Stakeout" • TPS1200 Application "Reference Plane" • TPS1200 Application "VIP Coding" • **RX1220 Remote Control Package** • RX1220 Controller Without Touch Screen • RH1200 Smart Handle For TPS1200 • GHT39 Holding Plate for RX1200 on Pole • GHT51 Clamp for Holding GHT39 Plate on Pole • GEB211 Lith-Ion Battery 2Ah Used With RX1200 • GKL211 Basic Charger Complete for GEB221/211 • GHT41 Hand Strap for RX1200 Series Controllers • **Smart Handle - For Smart Ready TPS1200** • GAD104 Smart Handle For Smart Antenna • ATX1230 Smart Antenna • PDL GX1230 Rover Radio C/W Housing • GAT1202 Antenna For Smart Station Radio Modem • **Professional Detail Kit "360 Prism"** • GST20-9 Telescopic Wooden Tripod without pouch • GLS11, 2.15 telescopic detail pole with bubble • GZR4 360 Degree Prism • Unique Accessories • GTS20 Second Keyboard for TPS1200 • Internal Memory 32MB for TPS1200 • GHT51 Clamp for Holding GHT39 Plate on Pole • GEV186 Y Cable TCPS27-RX1200-External Battery • GEV185 Data Transfer Cable RX1200 - TPS1200 1.8m • GEV187 Y Cable TPS1200 - PC - External Battery • GVP627 Container For Smart Antenna and Handle • GTS22 Touch Screen Face 2 • GSD01 Communications Cover (Motorised Instrument) • GS20 WAAS Package • **GS20 PDM EGNOS Package** • GS20 Handheld GPS Receiver • 5 Year Technical Support for GPS GIS receiver kits • GEB90 Battery, Li-Ion 7.2V 2100mAh • GS20 Soft Case • GKL24 Dual Bay Battery Charger • UK Power Cable • Field Guide, GS20 (EN) • USB Bluetooth Module • Data Transfer Cable, GS20 to RS232 • GIS DataPRO CD • GKL24 User Manual • Hard Carrying Case for GS20 WoRCS Package • PCMCIA Flash Card 16Mb • Sunshade for Digital Level • GST20 Wooden Tripod, Telescopic • GKNL4M Sectional Polymer Code Staff, 4m • Dual Frequency GLONASS/GPS Real Time Rover • GX1230 Real Time Rover • GX1230 GPS/Glonass Dual Frequency RTK Receiver • Glonass Option for GX1230 GG and RX1250 Controller • AX1202 Dual Frequency GPS/GLONASS Antenna • RX1210T GPS1200 Controller with Touch Screen • GEV141 1.2m antenna cable • GEV142 1.6m antenna cable • GEV163 Controller Cable RX1200 - GX1200 1.8m • GEB221 Lith-Ion Battery 4Ah Used With TPS/GPS • GKL221 Pro Charger & Cable (Req. GDI221/222 Plates) • GDI221 Adapter Plate for Charging GEB221/211 • MCF64 64MB Compact Flash Card for GPS/TPS1200 • MCFAD1 Compact Flash PC Card Adapter • GVP623 Hard Container for System 1200 GPS • GAD32 Telescopic rod with 5/8" screw • GAD34 Arm 3cm long, screws on telescopic rod • GLS20 Bottom section carbon-fibre pole with steel tip • GLS21 Top section carbon-fibre with 5/8" thread • GHT25 Grip with circular bubble • GHT39 Holding Plate for RX1200 on Pole • PDL GX1230 Rover Radio C/W Housing • GPS Flexible Radio Antenna C/W TNC Connector (one) • GPS Minipack • GX1230 Real Time Reference • GX1230 GPS/Glonass Dual Frequency RTK Receiver • Glonass Option for GX1230 GG and RX1250 Controller • AX1202 Dual Frequency GPS/GLONASS Antenna • GAD31 Screw-to-stub adapter for fitting ant on poles • RX1210T GPS1200 Controller with Touch Screen • GEV141 1.2m antenna cable • GEV97 1.8m connection cable, GPS to GEB171/TR500 • GEV160 Data Transfer Cable GPS/RX1200 - PC 2.8m • GEB221 Lith-Ion Battery 4Ah Used With TPS/GPS • GKL221 Pro Charger & Cable (Req. GDI221/222 Plates) • GDI221 Adapter Plate for Charging GEB221/211 • MCF64 64MB Compact Flash Card for GPS/TPS1200 • MCFAD1 Compact Flash PC Card Adapter • GVP623 Hard Container for System 1200 GPS • GST05 Telescopic Wooden Tripod • GDF112, Basic Tribrach with Optical Plum. new green • GRT144 Carrier, new green • GZS4-1 Height Hook (new green) • GEB171, NIMH, 12V 8AH large external battery • PDL Base Radio Modem LPB 0.5w, 25Hz, 450-460Mhz • PDL Transmitter 5dBi Whip Base Antenna • PDL Tripod Mount • PDL Power/Signal IF Cable • PDL Transmitter Elevated Feed Antenna • On-Board Software • GPS1200 Application "Road Runner" • GPS1200 Application "Reference Line" • GPS1200 Application "DTM Stakeout" • GPS1200 Application "VIP Coding" • Unique Accessories • SRIM32 32MB Internal Memory for GX1200 • MCF256 256MB Compact Flash Card for GPS/TPS • Handheld GPS • Magellan Meridian Colour • PC Interface Cable • PDA Interface Cable • Photogrammetry & Remote Sensing • Leica Photogrammetric Workstation • 750 MHz minimum, 2 GHz or better recommended. Dual processors will improve performance, Microsoft Windows XP or Windows 2000, CD/DVD ROM drive • Stereo-enabled graphics cards + specific AGP port requirements • TopoMouse • StereoGraphics CrystalEyes • DSW 700 Scanner • Leica Photogrammetry Suite (LPS) • Digital Levels • **Sprinter 200M Electronic Level Package** • Sprinter 200M 1.5mm Int Memory & RS232 Interface • GSS 112-3 Dual face telescopic staff, 4m x 4section • GEV189 Data transfer cable lemo - USB 2m • CTP103 Aluminium Tripod - M/Duty - Yellow • **Professional Digital Levelling Outfit** • DNA03 0.3mm Precise Digital Level C/W User Manual • GEB111, 6V/1.8Ah small plug in camcorder battery • GKL112, Basic battery charger UK • GEV189 Data transfer cable lemo - USB 2m • PCMCIA Flash Card 16Mb • Sunshade for Digital Level • GST20 Wooden Tripod, Telescopic • GPCL2 Invar Bar Code Staff, 2m • Cable Location Equipment • DIGICAT 200 Depth Indicating Locator • DIGITEX 8/33 Signal Generator C/W Accessories • DIGITRACE 80 80m Flexible Rod C/W Cable & Manual • Medium Signal Clamp use with DIGITEX (100mm Max) • Cable DIGITEX - Energised Cables Max 250V AC • DIGITRACE Cable set DIGITEX - Energised Cable • Earth Spike and Cable Kit for use with DIGITEX • Property Connection Cable DIGITEX - Domestic wiring • DIGITEX Battery Holder (6V) • DIGICAT 100 Battery Holder • Carry Bag For Digi System • DISTO Complete Packages • **LEICA DISTO Plus (Includes Software and Hand Loop)** • DISTO Accessories • Larger Softbag for DISTO • DISTO Red Glasses • DISTO GZM20 Target Plate (small C6) • Large target plate for DISTO (A4) • Target plate GZM27, with kneading adhesive. • Mono pole • Arm Holster Pocket PC • Adapter Plate for Pocket PC • Leica HDS3000 – 3D Laser Scanning System with enhanced laptop • Leica HDS3000 Laser Scanner, 2 Power Supply Boxes with integrated batteries, 2 Chargers, Cables, Tripod, Tribrach, Shipping Cases, Laptop Computer meeting recommended system requirements, preloaded with Windows 2000 and Client license of **Cyclone** – SCAN module, and pre-delivery system configuration and integration test at Cyra facilities. • **Cyclone** - MODEL software module • Single floating client license. Does not include maintenance. • Software - List of Software • Leica Geo Office Software • Leica Geo Office Software on CD-Rom • **Software Protection Keys for additional options** • GPS L1 & L2 Data Processing (Protected Option) • Rinex Import for GPS (Protected Option) • Level Data Processing & Analysis (Protected Option) • Datum & Map Transformation (Protected Option) • Design & Adjustment 3D (Protected Option) • GIS/CAD Export (Protected Option) • **LISCAD V8 - Pack Licenses** • LISCAD Survey Civil Premium includes: Comps, Input/Output, Modelling, Volumes, Profiles & Design, Adjustment, Transformations and Background Images • LISCAD CD Evaluation Pack 10 Pieces • Computer Hardware/Software with Blue Ray, DVD-ROM, CD-RW Drive - 19 in Monitors Included • A3 Wide CAD - digitizers • The innovative Intuos3 A3 Wide Pen Tablets in 16:10 format for optimizing use of the entire working area in widescreen and dual-monitor environments, ideal for HDTV video editing and designed for high-end workstation use, the A3 Wide represents the ultimate in a large high-performance graphics tablet. • A3 Flatbed Scanners •



**GeoQinetiq<sup>®</sup> Limited wishes also, to express its gratitude to the Executive Secretaries of the Education Trust Fund and the National Board for Technical Education, as well as the staff of the beneficiary institutions and hopes that the institutions will indeed become the Centres of Geomatics Excellence as envisaged by His Excellency, President Umaru Musa Yar'Adua, when he directed the execution of the project in April 2008 in furtherance of the 7-point agenda for Nigeria's Development.**

