VERIPOS VERIFY QC SOFTWARE

PROCESSING SOFTWARE

Verify QC is a suite of processing software designed for the professional positioning user.

Verify QC delivers real-time position and quality control information with extensive calculation, configuration and performance monitoring capability. The software can be configured to the user 's operational needs and supports all VERIPOS data augmentation services and a range of GNSS receivers.

Verify QC is designed to be modular and expandable whilst ensuring user flexibility. The graphical user interface is intuitive and simple to operate. Verify QC captures both GNSS observations and received augmentation data, and supports GPS and GPS+GLONASS multi-reference station and single station differential calculations as well as GPS and GPS+GLONASS Precise Point Positioning (PPP) calculations.

FEATURES

The software can receive and output data using serial and TCP/IP communication ports. Data file logging and transfer are also possible. Verify QC operates in real-time and retains full functionality in post-processing mode. Raw and computed data can be logged for analysis and replay. Verify QC provides users with a window into the complete position derivation process. Any number of calculation permutations can be configured, with complete visibility of all parameters and aspects of quality control.

The Verify QC Tides module can be enabled within the software to provide real-time tidal estimation, offering many advantages over conventional methods such as the use of tide gauges or tidal prediction software. The module uses highly stable, accurate positions from VERIPOS Ultra or Apex services in conjunction with proprietary processing techniques to detect height variations relative to a vertical reference offshore. Information and results are presented using numerical and graphical displays within the Verify QC software suite.
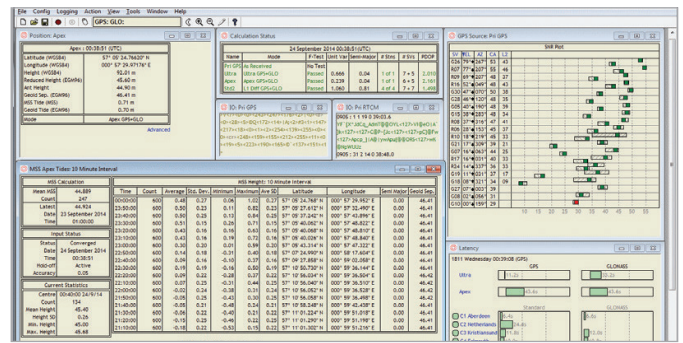
TECHNICAL SPECIFICATIONS

Multiple outputs can be defined through serial and TCP/IP ports and interfaced to various user applications. Verify QC supports the following output formats:
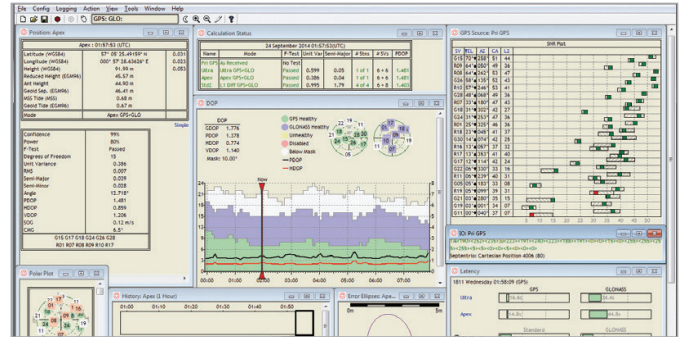
- NMEA (including GGA, GLL, GST and ZDA);

- WesternGeco Trinav v3 format;

- Alstom DP GGA Message;

- VERIPOS UKOOA format (Spectra compatible);

- RINEX v2.10; and

- IMCA OGP compliant (supersedes UKOOA guidelines).

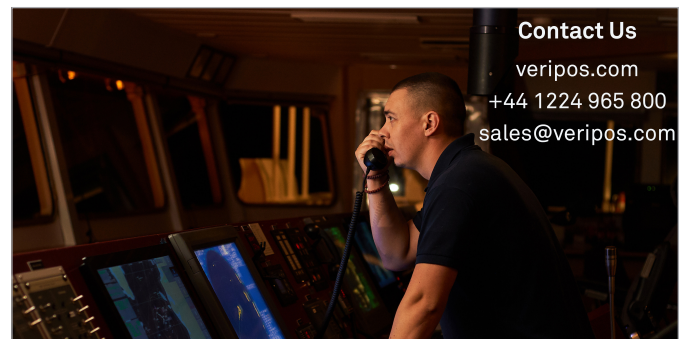### Minimum PC Hardware Requirements

- Processor: Pentium Core 2 Duo;

- Memory: 2GB RAM;

- Hard disk: 20GB;

- Serial ports: 6+ (minimum of 3);

- USB: 4+ (minimum of 1);

- Ethernet: Optional;

- DVD +/- R: Optional;

- Monitor: 17" VGA;

- Peripherals: Mouse & Keyboard; and

- Operating Systems: Windows XP (SP3 only) and Windows 7.

The above image shows the different displays that the software contains to provide quality control information on the positioning process.

Verify QC software provides information to the user on the status of the positioning solutions allowing monitoring and mission planning.

VERIFY QC

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ABOUT VERIPOS

VERIPOS is a global technology leader, pioneering end-to-end solutions for assured positioning for for the offshore marine oil and gas industry. VERIPOS is part of Hexagon's Positioning Intelligence division. Learn more at veripos.com.