QDR APEX™ Version 5.6.0.7 Release Notes

APEX 5.X is the operating system for the Horizon series of densitometers. For differences in results from previous versions of APEX, see the Statement of Equivalency (MAN-04364).

APEX Version 5.6.0.7 contains all the features of APEX Version 5.6.0.5 along with the following:

- Added support for Windows 10-64.
- Resolved Incorrect Ay Motion: Table rising prior to C-Arm being at the head position when performing IVA scans.

APEX Version 5.6.0.6 was not released.

APEX Version 5.6.0.5 contains all the features of APEX Version 5.6.0.4 along with the following resolved:

- Incorrect Tx Motion Table continues to rise after aborting a radiographic uniformity test or whole body scan.
- Incorrect Tx Motion Table continues to rise after releasing the enable button during the lateral portion of an AP/lateral scan.
- Scans archived from a pre-5.6 version that had invalid data in the p-file could not be restored.
- Corrected reference curve database to use Subtotal Body Lean Mass in the Pediatric Lean Mass vs BMC curve.
- DxReport does not display the 'Other' medications and medical conditions questionnaire answers.
- Patient names that contain Chinese characters do not display properly in patient lists.
- The database export filter 'new data only' exports all data.
- Incorrect error message "Data in the following fields are either out of range or missing country code" displayed when editing a patient on the patient confirmation screen.
- Updated application training scans (SE femur, whole body, and pediatric).

APEX Version 5.6.0.4 contains all the features of APEX Version 5.6.0.3 and includes the following:

- Enabled manufacturing flexibility.

APEX Version 5.6.0.3 contains all the features of APEX Version 5.6.0.2 with the problems resolved:

- DICOM Language option corrections.
- Corrected problem resulting in 'unable to find record' when analyzing legacy scan. Scans will need to be restored to be corrected.
- Correct abort when Auto-WB analysis fails

APEX Version 5.6.0.2 contains all the features of APEX Version 5.6.0.1 with database synchronization added. In addition, the following have been resolved:

- Extraneous database messages are no longer saved in the log.
- The Call Back List report now handles large databases.
- Detail Worklist query not functioning.

- Local motion active message at startup on system running at 50 Hertz.

- DICOM Send rate of change reports generating message "Attempt to scroll past end or beginning of data".

- Abort analyzing IVA scans on Japanese Windows 7.

- Reference curve source can be listed as 2012 BMDCS instead of 2012 BMDS/NHANES.

- Unable to import database with blank referring physician.

- Unable to import only QC data.

- Graph for whole Body report for patient less than 20 correctly labeled as 'Age vs. Sub Total'.

APEX Version 5.6.0.1 contains all the features of APEX Version 5.6 with the problems resolved:

- Image for compare scan not displayed on the scan positioning screen.

- DICOM Extended Dual Hip rate of change report does not archive scan to PACS.

- If the DICOM Queue is suspended when a scan is performed it does not restart until APEX is restarted.

- Reports not properly configured upon install.

APEX Version 5.6 contains all the features of APEX Version 5.5.3.1 and includes the following changes:

- Patient database converted from Access to SQL. Improves the speed of APEX when displaying lists of patients or scans.

- SE Femur analysis and reporting enhanced to include the ability to annotate the image and add comments.

- Updated reference database for Caucasian and Black children with 2012 BMDCS data.

- New Pediatric reporting for hip, spine and whole body exams. Allows for the configuration of these reports via the Reporting tab under the System Configuration utility.

- Hologic Connect has been added to allow for remote service and support for those sites who have internet connection and sign up for the service.

APEX Version 5.5.3.1 contains all the features of APEX Version 5.5.3 and includes the following changes:

- Increased system stability and performance to mediate "Device not ready for requested action" or prolonged unresponsiveness of APEX.
- Corrected issues with DICOM filtered Query/Retrieve and disabling of MPPS.

APEX Version 5.5.3 contains all the features of APEX Version 5.5.2.2 and includes the following new features:

- APEX reports T-score based on configurable ethnicity and gender in accordance with ISCD guidelines

- APEX report configurable to report L2-L4 in accordance with JSBMR 2012 guidelines

- BCA clinical report configurable to report weight in lbs.

- DICOM character set configurable

APEX Version 5.5.2.2 contains all the features of APEX Version 5.5.2.1 and includes the following new features:

- Adjustment of patient on/off position for Horizon-A

APEX Version 5.5.2.1 contains all the features of APEX Version 5.5.2 and includes the following new features:

- Support of lower pedestals in the Horizon-A
- DICOM configuration modified to be able to generate any combination of Hip Rate of Change and Extended Hip rate of Change
- Subscripts removed from DICOM SR

APEX Version 5.5.2 contains all the features of APEX Version 5.5.1 and includes the following new features:

- Support for the Horizon A
- Updated Infant Whole Body algorithm

APEX Version 5.5.1 contains all the features of APEX Version 5.5 and includes the following new features:

- HP Whole Body added to database export
- Export of QC data enhanced
- The adjusted LSC values displayed under the rate of change table
- DICOM modified to not mark spine scan as archived with extended spine report
- SOP Instance UID for the DICOM SR modified to be different from DICOM Send
- Added fields to DICOM SR, including reference curve source, analysis method, height, weight, and ethnicity
- Performed Series Sequence added to DICOM MPPS message
- Checking added to ensure proper dual hip positioning
- Computer power setting adjusted during scanning to prevent computer from going into sleep mode during scans.

APEX Version 5.5 contains all the capabilities of APEX Version 3.4 and includes the following new features:

- Support for Horizon models Ci, C, Wi, W
- SE Femur for the visualization of atypical femur fractures.
- Rulers available on the SE Femur analysis for measurements of scan features.
- DxReport Integration into APEX.
- Histogram of bone pixels to aid in spine analysis
- Dual Hip Reports
- Wide screen support
- Legacy media access enhanced
- HP Whole Body added to database export
- Export of QC data enhanced

APEX 5.5.x can exchange data with APEX 3.5.x and 4.5.x.   APEX 5.5.x can read data from APEX 4.0.x but APEX 5.5.x will update the data such that it will no longer be compatible with APEX 4.0.x.

Please refer to the Horizon Operator's Manual or QDR Reference Manual for operating instructions related to new features.