11.1.2 RELEASE 2017-07-19

GENERAL COMMENTS:
Branched this release from 11.1.2 RC.
Optional Driver Installer: Installing the MWA component will now install the MTO component as well.

MAIN APPLICATION:
Changed it so that results opened from Results View and Asset View in standard style are displayed as read-only.
Added alternate low range pattern for newer P640 images so as to fix temperature scale on image import.
Added ability to print multiple assets or results from their respective list views.
The edit control in the Onscreen Keypad dialog now highlights all at the end of its initialization.
Added trigger to run form message / script from main thread without running OnUpdate().
Adding in flag to determine if we are saving to PDF or not.
Fixed an issue with the onscreen keyboard and keypad that occurred while using aliased controls.
Changed humidity and job number so that they would not count as nameplate tags in the lite header.
When updating all relay records related to the job to update, don't include PDB_FSR_GUID so that the org levels from this job don't show up in other jobs.
Added registry setting "bAllowPowerDBUpdateCheck" to disable the automatic update check and the check for updates button in PowerDB.
Disabled launching directly to the form list for delta in /instrument mode.
Fixed /instrument to use v11 driver GUIDs instead of vTrunk driver GUIDs. This should allow Lite/Advanced/Embedded to load the correct drivers when /instrument is used.
Fix printing and page numbering when using "HideOnPrint" to hide particular pages in normal printing and save as pdf.
Scale spacing if the text on a line is longer than will fit on that line at the current zoom level. This should fix text being printed past the end of the edit control.
Fix crash when adding translations.
Added support for run tag commands for controls that have not been paged to yet on dynamic subforms.
Adding a new tile for the VF System Settings button on the new 12" displays.
Implementing autosave directory
Added support to conditionally disable the instrument initialization button on the PowerDB toolbar.
Adding system settings icon to PowerDB lite ribbon bar when using /instrument PFTS/MWA/TTR/TWR
Added functionality to launch VF instruments in lite /instrument mode directly to the new form window.
Added a registry setting to turn off the instrument configuration dialog for instruments in /instrument mode. This only works for the instrument specified by commandline.
Curve Library: Instantaneous tolerance was not considered in ST Pickup.
Fix bug with radio buttons in growing tables where radio buttons would be duplicated to have the same value (caused by changes to growing/paging logic in 11.1/11.0.4 and fixes for radio buttons that followed those changes).
Job List Selection Criteria: Fix Order by to actually sort descending when selected.
Fix user needing to click in the job tree before they could add to job.
Job/Asset/Result Lists: Fix column sorting being reset after a refresh.
Fixing an error message during bite import in lite. PowerDB is attempting to refresh the address book on some installations. Disabling the ValidateJob function in lite resolves the issue.
Asset List: Fix SN column not being populated. The SN will be populated with the Serial Numbers data from the most recent non-deleted Test Date.

TOOLS > Admin > Labels - Fix user's org level labels being untranslated to keys on (like two_inch_print_substation) that are used on certain forms.

Changed the DTA 6 import to use the correct org levels from the currently selected asset.

Changed DTA 6 import so that tests with one result saves on import.

Makes DTA 6 import find Relay by using GUID rather than org levels.

Add a registry setting to allow update checks to be turned off. If the custom splash screen is used, default this value to FALSE so that we don't instruct users to update or tell them that there are updates available unless specifically forced to TRUE.

"Open Document" option on right-click menu on external document was never being enabled.

Fix allowing copy/paste in tree with 8 maximum org levels. (Copy/paste was only allowed in last 3 levels of tree. This was fine until we increased the number of org levels - users with 4 levels could not copy/paste.)

EZCT Vanguard import fix.

Fixes the DTA6 import to allow multiple results in the file.

Attempt to fix crashes related to the AutoComplete window.

Fix bug where "FormUseMultilineEditDlg" dialog can be opened at first and then cannot be opened anymore.

Fixed wrapped text issue looking for next tab object instead of creating a new line and causing crash.

Attempt to fix crashes related to the AutoComplete window.

Image controls: Disable transparency on Save to PDF since this was causing the whole image to be drawn transparent. This should duplicate the behavior that we have always had when performing a normal print. Transparency will be re-enabled at a later date.

Fix crash in trending with improperly formatted logging statement.

Fix lockup on webserver when PowerDB updates are available.

Fix crash when switching databases when the recent list cannot be loaded.

Fixed Spell check to check all pages and re-enabled the F7 shortcut.

Fix case where radio buttons were not saving if they weren't on the active page when save was pressed.

Print Job Results: COM/DEF report checkboxes now default to checked when there are comments or deficiencies in the job.

Don't allow Add To Job on completed jobs.

Job List right-click now checks for Completed Job status on the selected job (was getting status of last selected job even if filtering has changed and that job isn't in the list anymore).

Disable "Completed" option on Job List right-click menu if no job is selected.

Make counts at the bottom of the job list match the number of jobs that are actually queried and added to the list.

Check org level labels (set in TOOLS > Admin) and don't enable AddToJob pages for org levels with empty labels.

Fix allowing copy/paste in tree (broken by checks that aren't compatible now that we have > 4 org levels).

Asset List View: Add "Serial Numbers" column pulled from most recent active result.

Results List View: Add "Asset ID" (from Asset table), rename "Asset ID / Serial #" to "Serial Numbers" (from Result table) and add "Manufacturer" and "Model" columns (from Asset).

Launch the DashboardUploader when the user confirms in the message box that the last Pdf that was printed is the one that needs to be uploaded. (This would previously confirm, but then not launch the uploader.)

Fix DashboardUpload conflict with PdbGPSLocator's Newtonsoft.Json.dll by putting the DashboardUpload files in their own folder.

Adding org 5-8 to add compliance.

PDBSYNCH:
Make "MinVerLock" checks in Sync use all 4 parts of the version number before allowing synchronization.
Synchronization fix for results that attempt to sync to a region that their asset doesn't belong to.

DRIVERS:

ALL DRIVERS
Adding functionality to handle the VF system settings tile in the base driver.

MEGGER_APC
Fixed DynamicK seeded command issue.

MRCT
Scroll to top of view when returning from report.
Don't clear show saturation data check box when loading report with Pro.
Fixed the bug on secondary current display in true ratio when there are mutiple CTs with different secondary settings.
Removed msg "Please disconnect SMRT..." when opening MRCT.
Roll back to the released code. MRCT is not ready for all TRUNK changes that were merged to RC by the RTMS update.

AVO_MPRT
COMTRADE: Fixed scaling issue in comtrade.
Relay Settings: Added a numeric input for MPRT Relay Settings subform.
COF: (Micom Zone 7/8 issues): Adjusting code to allow access to zones 7/8 so they are selectable when using Play All.
COF: Enable ABB KD-10 and the new GE GCY for release. Hide PG settings/options/timers for KD-10.
COF: Adding %Line testing to P446 relay.
COF: Added in tag to ensure %Z testing button appears in shot mode for this relay.
COF: Taking P446 out of WIP and making fully available in RTMS.
COF: Adjusting so Single phase relays should not turn on channels that are not being tested.
TOC: Fixing issue where Timing Tests not setting WANY to 0 when in NC mode.
TOC: Adding in different BIN for Timing/Pickup tests.
TOC: Updated trip mask creation in Timing test to properly set 1 and 0 based on the users BIN settings.
TOC: Fixing issue where Timing Tests not setting WANY to 0 when in NC mode.
SS1: Adding simulate contact and reset button to dialog.
COMTRADE: Allow COMTRADE files to be selected from embedded mode.
Power Swing: force AutoOffMode to zero; removed unnecessary Hsu() call.
COMTRADE - Fix crash when loading large files.
(TRL Issue) Undoing changing of TRL to tr.
Power Swing changes to add Out-of-step option.
Power Swing - shortened start time from 3 to .5 seconds.
Power Swing - removed extended time from Power Swing test.
Power Swing - fixed issue with waveform lasting longer than timeout.
Power Swing - moved RE back to previous location. Removed RECRSET.
COF: Fixing issue where loading of TRUNK schema not properly working due to not properly updating schema check.

FREQ: Fixed the issue of start contact post overwriting stop contact post. Changed fault vector for all freq tests: remove the phase values and add Ã¢â‚¬Å"SBP:1Ã¢â‚¬Â• command for each phase. Removed df0 and set phase only when applying prefault vector for the first time for ROC pickup test
Sent syssetf command if system freq is not equal to nominal freq for all timing tests Comma-as-decimal fixes for COMTRADE and Power Swing.

AVO_TTR
Increased size of ttr retest button for Spanish language.
Removed the "Edit Highside" and "Edit Lowside" buttons from below the winding diagram on the magnetic balance form.
TTR phase shift tests can now be ran at any supported TTR voltage.
Fixed an issue where the error % displayed in the TTR test dialog could be wrong after retesting
Changed TTR to allow test voltages other than 8V on form 56006.

MWA
Fixed miscellaneous two inch printing format issues. Fixed several issues with row highlighting. Fixed an issue where the MTO current wasn't displaying on three phase tests if the first phase was skipped. Enabled support for the two inch printer in onboard. Decreased the connection time to the MWA. Fixed an issue where the tap information in the TTR test dialog was wrong after using test next tap feature. Enabled the series resistance table for IEC YNa0 and corrected the labels. Current and stability readings are now displayed on winding resistance tests for all windings. Failed winding resistance tests are now added to the deficiencies. Updated the tags classified as nameplate, and fixed an issue where the tertiary was disabled after opening saved results. Manual sections on the MWA three phase form are now hidden by default. Improved the MWA connection timeout message, and greatly reduced the time it takes to cancel the MWA detection window. Fixed a crash that would occur if you closed PowerDB immediately after canceling the MWA detection window. Enabled support for the MWA beacon during turns ratio tests. Corrected the label for the turns ratio column in the turns ratio table. Improved connection speed.

Torkel
Fixed an issue with the historical capacity graph, and disabled log messages on the form.

BVM
Disabled log messages on the form for performance.

MTO:
Nameplate recommended current will now display "None" if it was not calculated.
Enabled temperature correction for manual winding resistance tests.
Fixed an issue preventing MTO heat run form from saving results.

Delta 4000
Implemented support for new onboard only features.

S1/MIT
Fixed an issue on the cable PI form.

DLRO
Fixed an issue where DLRO 100 tests were reported to the asset manager even when they failed.

Added Test Summary form format and implemented support for new DLRO 100 firmware.
Added Test Summary form format.
Fixed an issue with the DLRO10X form list in lite.

PMM1
Adding 180Lead drawing functionality to the PMM1 form. Allows users to select 180Lead as vector style.

MTO/TTR/Delta
Fixed an issue with the nameplate voltages rounding incorrectly.

OTD: Fixed comport connection and closing issues, updated data importing to match new format from the instrument

Subforms:
Header - Lite
MTO Nameplate
MTO Nameplate Heat Test
Transformer PF (2and3Winding) Nameplate
Transformer PF (Autotransformers) Nameplate
MagneticBalance PF (2and3Winding) Nameplate
MWA Nameplate
CtRatio
Comments

Forms:
10756
10757
MRCT
27700 - TTR - CT RATIO PHASE DEV
27750 - TTR - PT VT RATIO PHASE DEV
27800 - MTO - CT WDG RESISTANCE
27850 - MTO - PT VT WDG RESISTANCE
56000 - MWA - 3Ã˜ WINDING RES TURNS RATIO
56001 - TTR - QUICK TEST
56002 - TTR - TURNS RATIO QUICK TESTS
56003 - TTR - SINGLE PHASE QUICK TESTS - MULTIPLE RESULTS
56006 - TTR - TX WITH PHASE SHIFTING
56301 - MTO - RESISTANCE QUICK TESTS [GENERATORS]
56353 - MTO - 3Ã˜ WINDING RESISTANCE
56356 - MTO - TX HEAT RUN
56365 - TTR - 3Ã˜ TX WITH TAP CHANGER
56370 - TTR - VOLTAGE REGULATOR
93510 - TTR - MAGNETIC BALANCE
RTMS: RTMS is now installed in the ProgramData\InstForms folder as "BEQIAAANKWT4JP4RYH2K".
27700
27750
56365
56370

90514
90515
57600
10750 - BATTERY IMP COND TEST
13000 - CABLE PI TEST
24210 - GROUND RESISTANCE TWO TERMINAL
27210 - INSTRUMENT TRANSFORMER GAUGES
46200 - POLYPHASE POWER DIRECTIONAL GGP
50050 - MV SWITCHBOARD HIPOT
56910 - TWO-WINDING TRANSFORMER
5710T - TRANS. LIQUID COOLANT TRENDING
5711T - TRANS. LIQUID COOLANT TRENDING
66500 - INSPECTION SHEET
OCR - Maintenance Report
90511
56356

11.1 RELEASE 2017-04-06

MAIN APPLICATION:
"/instrument detect" command-line now works for MDCT. (Main app support only. Driver will not be updated until instrument is ready for release.)
Fix an issue where the new org levels show the wrong data in some columns of the Results grid view.
Fixing orgs when using tree item as template to add to asset tree in jobless mode.
Interstate battery import, straps capability.
Removed " / Serial Number" from the AssetID column header text in the Asset List.
Fixing printing when using indicate dropdowns.
Fixed an issue with the new autosave functionality that was causing the form to sometimes not save.
Fix crash in PowerDB if PdbGpsLocator cannot be loaded.
Add support for Org Levels 5, 6, 7, 8.
When updating pdblite.mdb, remove old pdblite.mdb first and log the actions.
Implemented the onscreen keyboard for the save PDF dialog, added a default pdf name, and removed the "all files" filter.
Super Cap (File Save on close) changes for VF.
Fix or catch exceptions found in crash reports.
Fix user paths for Webserver when running on SYSTEM account.
Check "UseTrustedConnection" registry setting to allow "Trusted_Connection:yes;" connection string.
Added proxy configuration so that the service won't be affected by the default user registry.
CommentsAndDefMailMerge.doc cannot query the database from the install directory, so we move it to the ProgramData directory and run it from there.
Updated User Manual.
Updated Lite User Manual.
Added spell check files to installer.
Fix for defaulting to AmericanEnglish translation if the desired languageKey column doesn't have a translation.
Fix InstForms not loading subforms from the file.
InstForms now load in Lite without "This file cannot be used in PowerDB Lite." error message.
Fixed javascript bugs in PdbGPSLocator.

Disabled serial numbers for 11.1 release.

Fixed spelling error in IDD_BACKSTAGE_PAGE_OPEN DIALOGEX for the "Open New Form" LTEXT. The "Save Results in XML" LTEXT was wrong in IDD_BACKSTAGE_PAGE_SAVE DIALOGEX, made change to fix it.

Prevent users from getting stuck in an infinite message box loop when attempting to view the USER ACCOUNTS tab when they don't have permission to do so.

PdbXml Import: Use GUIDs in file if applicable; Find matching asset based on form/asset name/user entered org levels; Fix multiple test dates coming in with first date in the file; Fix crash if dialog is closed before import is done by not allowing the dialog to close until done.

Fix crash when clicking sort arrows in Job List.

Roll back csv import to v11.0.3 version until we can rewrite it for a future release - the new import was missing too much functionality and was too big of a step backward.

Changed text for IDC_USE_LOGON_FOR_SYNC from "Require credentials for PdbSynch" back to the original "Use logon credentials for sync".

"CommentsAndDefMailMerge" file name should not be PowerDB version specific.

Fix the "Form Update Description" dialog not showing after the first save of a form/subform change in the current instance of PowerDB.

Anchor "Manage Equipment Types" button to bottom of dialog so that it moves when the dialog is resized.

Anchor "Run On Change" button to bottom of dialog so that it moves when the dialog is resized.

LOOKUP TABLES:
Translations updated.
LookupTables N and O were updated with 'Multiplier' columns to make queries for correction factors work.

PDBSYNCH:
Synchronization fix for results that attempt to sync to a region that their asset doesn't belong to.
PowerDB: Sync: New relays will no longer sync to all regions the first time that region is synched.
Add support for Org Levels 5, 6, 7, 8

PDBUPDATESERVICE:
Added exception handling when trying to close the client.

DRIVERS:

ALL DRIVERS
All drivers have had their version numbers changed to the "D100.x" format.

AVO_DLRO
DLRO 10HDX: Added Test Summary form format.
DLRO10X: Fixed an issue with the DLRO10X form list in lite.
DLRO 100: Fixed an issue where DLRO 100 tests were reported to the asset manager even when they failed.
DLRO 100: Added Test Summary form format and implemented support for new DLRO 100 firmware.

AVO_MPRT
All development changes.

MEGGER_PMM1
Adding 180Lead drawing functionality to the PMM1 form. Allows users to select 180Lead as vector style.

MWA
Improved connection speed.

TTR
Changed TTR to allow test voltages other than 8V on form 56006.
Fixed an issue with the nameplate voltages rounding incorrectly.

MEGGER_OTD
Fixed comport connection and closing issues, updated data importing to match new format from the instrument

AVO_MTO
Fixed an issue preventing the MTO heatrun form from displaying the current values.
Added error handling for the MTO RunTest function.
Test current is now reported in the form after an MTO test and manual test.
Fixed an issue with the nameplate voltages rounding incorrectly.

AVO_DELTA
Fixed an intermittent issue with how the ambient temperature was reported on delta forms.
Re-enabled the Oil Test in the overall section of the two and three winding transformer forms.
Corrected in issue with how the suggested test voltage on delta forms was calculated on line to line transformers.
Fixed an issue with the nameplate voltages rounding incorrectly.

MLR10
Fixed the MLR10 form list in Lite.

ANTON_DMA
Update model names.

FORMS:
RTMS
27700
27750
56365
56370
57600
90514
90515
90511
56356
93500
94500
95500

95501

92510.

15800

52230

56600 - TRANSFORMER PI TEST

57952 - WEIDMANN-ACTI DGA

AUTOMATIC TRANSFER SWITCH

BACK-UP POWER SYSTEM INSPECTION

CABLE TEST SHEET

CURRENT OR POTENTIAL TRANSFORMER RATIO

ENGINE GENERATOR INSPECTION

GROUNDING SYSTEM RESISTANCE TEST

GROUND FAULT SYSTEM TEST

GROUND TEST INSPECTION - HEALTH CARE

INSTRUMENT METER CALIBRATION TEST

INSULATION RESISTANCE-DIELECTRIC TEST

INSULATION RESISTANCE TEST RECORD

INSULATION TEST FOR ROTATING MACHINERY

LINE ISOLATION TEST - HEALTH CARE

MAIN POWER ENERGIZATION CHECKLIST

MEDIUM VOLTAGE VACUUM BREAKER

MOTOR TEST INFORMATION

OVERLOAD RELAY TEST REPORT

PANELBOARD CIRCUIT BREAKER TEST

TORQUE VALUE RECORD

TRANSFORMER (DRY TYPE) INSPECTION RECORD

TRANSFORMER (LIQUID FILLED) INSPECTION

TRANSFORMER OIL SAMPLE REPORT

TRANSFORMER OIL TRENDING REPORT

TRANSFORMER TEST AND INSPECTION REPORT

UPS SYSTEM INSPECTION

VRLA BATTERIES

VRLA MAINTENANCE

WATT-HOUR METER TEST SHEET

00002 - COVER LETTER

AvtsImport

CabaWinImport

57952 - WEIDMANN-ACTI DGA

57860 - TJH2b INSULATING FLUID

57850 - TJH2b DGA

90515 - MICROHMMETER_MEASUREMENTS - DLRO 10HDX

Relay Test Management Software (RTMS)

MRCT

Smart Primary Injection Software (SPIS)

10000 - BATTERY_DISCHARGE

10050 - BATTERY_INSPECTION

10100 - BATTERY_INSPECTION_SPECIFIC

10200 - BATTERY_INSPECTION_RESISTANCE

10500 - UPS_BATTERY_DISCHARGE
10760 - BATTERY_TEST - CELLCORDER
14000 - BUS_DUCT_INSULATION_TEST
14100 - SWITCHBOARD_BUS_CONNECTION_TEST
15501 - BOLTED_PRESSURE_SWITCH_TEST
15510 - LOW_VOLTAGE_AIR_SWITCH
15800 - MOLDED_CASE_CIRCUIT_BREAKER_INSP
16600 - VACUUM_IN_OIL_RECLOSER
18300 - RELAY_DATA
19400 - ANNUAL_ENGINE_GENERATOR
19600 - GENERATOR
22900 - GROUND_FAULT_PROTECTION
27010 - CURRENT_TRANSFORMER
27400 - CONTROL_POWER_TRANSFORMER_TEST
27450 - CONTROL_POWER_TRANSFORMER_TEST
27500 - CT_RATIO___EXCITATION_TEST
27655 - CURRENT_TRANSFORMER_(ADWEL_DCT)
29001 - LOADBREAK_DISCONNECT
30000 - MOTOR_CONTROL_CENTER_INSPECTION
31200 - MOTOR_CONTROL_MCC_TEST_REPORT
32900 - VARIABLE_FREQUENCY_DRIVES_(VFD)
49550 - CEY51A_RELAY
50300 - POWER_PANEL_INSULATION_TEST
56502 - TRANSFORMER_TTR_(VANGUARD)
56900 - TWO-WINDING_TRANSFORMER
56910 - TWO-WINDING_TRANSFORMER
57300 - INSULATING_EQUIPMENT_INSULATING
57700 - ONCOR_INSULATING_FLUID_ANALYSIS
61100 - WATTHOUR_METER_TEST
61101 - WATTHOUR_METER_TEST
61600 - MULTIFUNCTION_METERING_MODULE
65150 - CAPACITOR_BANK_TEST
65500 - LIGHTNING_ARRESTER_TEST
77777 - AERIAL_BUCKET_UNIT
81000 - CALIBRATION_DATA_LOG
90000 - TRANSFORMER
5710T - TRANS._LIQUID_COOLANT_TRENDING

SUBFORMS:
MTO Nameplate
MTO Nameplate Heat Test
Transformer PF (2and3Winding) Nameplate
Transformer PF (Autotransformers) Nameplate
MagneticBalance PF (2and3Winding) Nameplate
MWA Nameplate
Job MultiUse Report
Logo 3
_SDMYERS Liquid ScreenTest Data

Header
Footer
Comments
ComDef
EnterTemp
Header - Basic Info
(and narrow versions of these)
INST_INSUL_RES
_SDMYERS_Nameplate