

Pipeline Compliance System Release Notes for Version 7.2.6

This document contains release notes for Pipeline Compliance System (PCS) software version 7.2.6.

Table 1. Enhancements and Updates

Enhancement/Update	Description
Backup Data	<ul style="list-style-type: none"> • Archive Subfolder/Master Database: The Backup Data process includes all zip files and archived change logs in the Archive subfolder of the master database. (C:\CPDM\archive)
Bridge	<ul style="list-style-type: none"> • Data Filtering (Export file): Set up an export file with optional data filtering to control data exported by Bridge. Data filtering can be applied to all data items at the Bridge level or at the PCS Data Item level. When running Bridge manually, the user can choose which data filters are active. When running Bridge during replication (Two-Way Synchronization), data filters set up as Always On apply to the output. • Deleted UDFs: Bridge definition ignores deleted UDFs included in mappings. • Export Mode (Export file): Includes two new export options labeled “Data changed since last export” and “Data inserted since last export”. • Import Voltage Conversion (Import file): Set up a Bridge import file to include one of the following conversion methods to be used with facility readings during data transfer: none; Invert polarity; Invert polarity and convert mV to V; Convert mV to V; Invert polarity and convert V to mV; and Convert V to mV.
Bullhorn Interface	<ul style="list-style-type: none"> • Import Log: Each error in the import log includes a corresponding Facility ID, date of inspection, and FTP filename.

Table 1. Enhancements and Updates (continued)

Enhancement/Update	Description
Data Entry Grids	<ul style="list-style-type: none"> <li data-bbox="727 331 1339 451">• Data View/Options and Layout tab: Apply button has been removed from the Data View window. Clicking Close applies changes to a data grid and then closes the Data View window. <li data-bbox="727 478 1339 630">• Days Since First Bad Reading, Days Since Last Good Reading: New fields available in the Test Points Inspections grid. These are system calculated fields that identify the number of days since the first bad and last good reading. <li data-bbox="727 657 1339 861">• Grid Layout Themes: Layout tab of Data View and Customize Data View: Create a new grid layout theme based on a source grid selection. Compatible fields copy from the source grid to the new grid layout theme. Fields in the new grid layout can then be re-organized or removed as needed. <li data-bbox="727 888 1339 1102">• Invalid Date Progression in Repair Fields (Maintenance grid): A message displays when an invalid date is entered in the Repair fields of a facility maintenance grid. Date entered for “Repair Found Date” must be earlier than the date entered for “Repair Initiated Date” and “Repair Corrected Date”. <li data-bbox="727 1129 1339 1344">• Print Grid (View menu): Use Print Grid in the View menu to print a data grid, including Facility Manager. Set paper and font properties, view a print preview, and select a printer. This feature only applies to a primary grid. It does not apply to mini-grids, such as ROW Links and Test Point Linking in the Rectifiers Information grid. <li data-bbox="727 1371 1339 1606">• Replace All Values (Information grid): When replacing values for a field in the Information grid using Replace All Values, PCS creates a history record and allows you to specify the Effective Date to be assigned to new records. PCS does not create a history record when no changes occur. To use Replace All Values, right-click the mouse in a column heading of the data grid. <li data-bbox="727 1633 1339 1785">• ROW Links Mini-grid (Rectifiers Information grid): Creating calculated fields based on System or ROW Information fields no longer crashes the grid. Fields in ROW Links are also available in the calculation editor. <li data-bbox="727 1812 1339 1904">• Search Filter “Does Not Contain”: New filter is available for selection in a grid search of character and memo type fields.

Table 1. Enhancements and Updates (continued)

Enhancement/Update	Description
Database Cleanup	<ul style="list-style-type: none"> • Archive Change Log Records (Database Cleanup for Two-Way Synchronization; Master Database): Before the archive process begins, a message displays with information about not interrupting the archive process. During the archive process, a progress meter displays with status information.
Edit Schedule Settings	<ul style="list-style-type: none"> • Early Survey Limit/Months Between Survey Settings: Early Survey Limit for 12 month surveys no longer causes the scheduler to skip annual rectifiers and annual bond scheduling. • Scheduling Facility Type: Facilities due for inspection include the Scheduling Facility Type that cause the inspection.
Email Notifications	<ul style="list-style-type: none"> • Record Sorting: Email Notifications sort by the email date and then by ROW Code, Milepost, and Inspection Date.
Field and UDF Customizations	<ul style="list-style-type: none"> • System Default Properties: Set system-wide default values for character, date, integer, logical, memo, numeric, and date/time fields using the following system default properties in Field and UDF Customizations: System Default Maximum, System Default Minimum, System Default Negative, and System Default Uppercase.
Field Computer	<ul style="list-style-type: none"> • DVM Setting / Field and UDF Customizations: Specify how readings are entered in an Allegro survey file with one of the following options: <ul style="list-style-type: none"> ✓ Use system setting Uses setting on Field Computer tab of System Settings labeled “Require voltage readings to be taken using voltmeter only.” ✓ Require DVM reading Readings cannot be entered manually on the Allegro. ✓ Allow manual entry Readings can be entered manually on the Allegro.

Table 1. Enhancements and Updates (continued)

Enhancement/Update	Description
Field Computer, continued	<ul style="list-style-type: none"> <li data-bbox="727 331 1339 541">• Open Maintenance Items (Send Survey/Route): Facilities with one or more pending maintenance records are included in the survey file sent to the Allegro by selecting the option Open Maintenance Items. PCS adds pending maintenance records before all other prompts currently set up in the prompts theme. <li data-bbox="727 569 1339 716">• PCS and Allegro Mandatory Data Entry Fields: Mandatory data entry fields in PCS (such as Record Casing P/S in an Information grid) become mandatory data entry fields in an Allegro survey file. <li data-bbox="727 743 1339 989">• Prompts/Pages (Customize Prompts and Sorting): Add maintenance fields in multiple prompt pages. This feature allows the technician to create more than one maintenance record on the Allegro. When the Allegro survey file is transferred to PCS, a separate maintenance record is created for each page of maintenance prompts with data entered by the technician. <li data-bbox="727 1016 1339 1073">• Send Survey/Route: Send Survey/Route properly handles sending UDFs from ROW Links. <li data-bbox="727 1100 1339 1339">• Send Survey/Route, Customize Prompts and Sorting, Survey Grouping: When an Allegro Prompts Theme is set up to use survey grouping, PCS groups on/off reading pairs in the order listed in the prompts theme. For example, prompts for multiple test points load in the following order: E P/S, E IRF, N P/S, N IRF, S P/S, S IRF, W P/S, W IRF. <li data-bbox="727 1367 1339 1606">• Survey Grouping of On/Off Field Pairs: On/Off field pairs are grouped together for each facility in a survey group. The survey file sent to the Allegro must be set up with on/off field pairs and a Sorting Theme that uses Survey Grouping. For example, Structure P/S <white> is grouped with Structure IRF <white> and Structure P/S <blue> is group with Structure IRF <blue>. <li data-bbox="727 1633 1339 1879">• Technician Name Carry-forward: The Allegro tracks and displays the name of the previously entered technician as each facility is visited. When a reading is taken, the technician name is recorded and sent in the survey file that transfers to PCS. PCS populates the Technician field in the Inspections grid with the technician's name; the Technician field can also be changed manually.

Table 1. Enhancements and Updates (continued)

Enhancement/Update	Description
Reports/Graphs	<ul style="list-style-type: none"> <li data-bbox="748 331 1365 632">• Comparisons Report: Facility Comparisons Report (Test Points, Rectifiers, Foreign Bonds, Galvanic Anodes, and Tanks): Set up a Comparisons report to only include facilities that meet comparison criteria. Select the option labeled “Only include facilities which meet comparison criteria”. All inspection records that meet the report's filters are included, similar to an inspection report. When the option is not selected, the report includes all facilities. <li data-bbox="748 659 1365 810">• CPDM Survey Report/Survey Summary: Report includes a new distributed summary layout labeled Survey Summary. The report layout is available for selection in the Select Layout field of the Summary Report tab. <li data-bbox="748 837 1365 1052">• Exceptions Report (Test Points, Rectifiers, Foreign Bonds, Galvanic Anodes, and Tanks): Set up the report with the optional exception filter “Days Until Delinquent is less than [runtime]”. This is a calculated field, which is the number of days from today's date until the delinquent date, based on scheduling settings. <li data-bbox="748 1079 1365 1255">• Generic Report: Report provides the user more control of report output. Areas in PCS that use the generic report include: Print Grid; Schedule Details and Calendar view; Print Route and Print Unrouted; Field Computer log; Define Schedules; and Validation Tables. <li data-bbox="748 1283 1365 1703">• Graph Reports: Graph reports include the following updates: <ul style="list-style-type: none"> <li data-bbox="813 1367 1365 1430">✓ Dates after 2000 print correctly in the format mm/dd/yyyy. <li data-bbox="813 1440 1365 1524">✓ Color assignments match for both Y-axes in a graph with right and left axes using different colors for pipelines. <li data-bbox="813 1535 1365 1598">✓ Mileposts print with each band for graphs with multiple bands. <li data-bbox="813 1608 1365 1703">✓ The vertical line in a graph with multiple bands snaps to the nearest point in the graph that the mouse is over. <li data-bbox="748 1730 1365 1850">• Print Date: Select the option “Print current date in report footer” to set up a columnar report to include a print date. The print option is available in the Layout tab of a columnar report.

Table 1. Enhancements and Updates (continued)

Enhancement/Update	Description
<p>Reports/Graphs, continued</p>	<ul style="list-style-type: none"> • Summary Report/Report Level Filters: Filters can be active at the report level for a given field before the summation displays in the Summary Report output. This resolves a usability issue with summations, such as Miles Below Criteria, which would not function properly without a filter on Survey set. • Summary Report/Test Point Compliance: Miles Above/Below summations now properly calculate distances when using the Location ID milepost format. • Summary Report Wizard/Collapsed Option in Define Row Fields: Set up a row field in a summary layout to start “collapsed” (hidden). For example, if row fields include ROW Code and Technician, set up ROW Code as “collapsed” to only see a list of Technicians by expanding a ROW Code in the report. • Summary Report Wizard/Count Summation Type: Logical fields are available only for the “Count” summation type. These fields are counted only when a value is present. Fields with no value or a zero are not included in the report. • Summary Report Wizard/Report Summation Versus Latest Date: Set up a summation to use only the “latest date” for the data set in the summation. This option can be applied before or after summation filters are applied. Use this option to create a summation such as “TPs Below Criteria,” which should only reference the latest date. • Summary Report Wizard/Unique Summation Type: The “Unique” summation type has been renamed as “Count Unique”.
<p>System Settings</p>	<ul style="list-style-type: none"> • Server Shutdown Frequency in Days/Replication tab: The server shutdown date/time schedule only occurs when a frequency value is entered in the field “Server Shutdown Frequency in Days”.

Table 1. Enhancements and Updates (continued)

Enhancement/Update	Description
System Settings, continued	<ul style="list-style-type: none"> • Survey Status Behavior/General tab: New setting labeled “Survey status behavior” can be set up with one of the following settings: <ul style="list-style-type: none"> ✓ Any indicator can be populated: at least one inspection field must be populated in the data grid. PCS places a check mark in the Surveyed check box to indicate the technician inspected the site and recorded inspection data. ✓ All indicators must be populated to be surveyed: all fields related to the inspection field must be populated. The Record field associated with the inspection field must be enabled on the Information grid. The setting labeled System-Inspection Surveyed associated with the inspection field must be set as Yes in Field and UDF Customizations.
Two-Way Synchronization	<ul style="list-style-type: none"> • Sync and Verify: Processed change logs properly transfer to the target machine if a sync session fails when updating a master database and replica. This prevents data loss in subsequent sync and verify sessions with other replicas.