

MAP System Software Enhancement List

Map System Software Enhancements	Ver. 26	Ver. 27	Ver. 28	Ver. 29
<p>System Enhancements</p> <p>This section of the document primarily includes the new system enhancements or improvements that have been implemented in one of the PressureMAP software releases listed in the column headings to the right. Some rows, however, describe important system enhancements that were implemented in prior releases of the software. They are included here for reference.</p>				
<p>MAP Engine VIII Platform/Linux or Unix Operating Systems</p> <p>PressureMAP Ver 27 was certified to run on a MAP Engine VIII (Intel® Xeon®) platform using either the Linux CentOS 5.2 operating system or SCO UNIX Version 5.0.7. Previous software releases were certified for earlier MAP Engine equipment running either the SCO UNIX operating system or Xenix. Ver 27 was the first release using Linux, and Linux PressureMAP systems are not required to run exclusively on a MAP Engine computer.</p>		✓		
<p>Linux CentOS 5.5 Operating System Requirement</p> <p>PressureMAP Ver 28 no longer supports the SCO UNIX operating system. PMAP Ver 28, plus future versions of the application, will be developed only for the Linux platform.</p>			✓	✓
<p>Support for Linux CentOS 6.x Operating System</p> <p>PressureMAP configuration and directories have been modified as needed to make the software compatible with the new Linux CentOS 6.x operating system. This includes the restore/rebuild function in System Administration, which allows users to migrate from CentOS 5.x to CentOS 6.x.</p>				✓
<p>Linux Operating System Security Updates</p> <p>A new option in the System Update Menu has been added to make it possible for Linux PressureMAP systLinux Device Driver Updates ems to easily apply System Studies-tested and certified Linux updates via Installation media (CD/DVD) rather than Internet download. These updates would include security patches and/or new performance functionality.</p>		✓	✓	✓
<p>Linux Device Drivers via Supplemental Update Disk</p> <p>Linux device drivers required for PressureMAP systems can be easily installed on the system using a Supplement Update disk (CD/DVD). The Supplemental Updates Menu lists the various update profiles that are available for selection.</p>			✓	✓



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<p>Platform Certification Package</p> <p>A platform certification package has been created for situations where a customer wishes to install the PressureMAP/PressureWEB system on their own preconfigured system. The two most common examples are the IT Hosted version or when Redhat EL is mandated (rather than CentOS). A new script assists in evaluating whether or not the customer-configured server meets the requirements for installing IT Hosted PressureMAP. This script first runs the same system/hardware scan that occurs during a traditional PMAP installation, then attempts to install the new certification package (using the force option in case this is already installed).</p>				✓
<p>Create Last Chance to Abort Operating System Installation</p> <p>When a system boots up with PressureMAP/PressureWEB installation CD/DVD media installed, a message now appears to inform the installer that all device and office data on the hard drive will be erased if she/he proceeds with the installation. Any entry other than öyö or öYö will abort the installation.</p>				✓
<p>Linux Device Driver Updates</p> <p>PressureMAP Ver 28 and later versions make it possible to install various Linux device drivers via the MAP System Supplemental Update process.</p>			✓	✓
<p>Multiple CD Installation Media Option</p> <p>Media content for the current version of PressureMAP/PressureWEB now exceeds the data capacity of one CD. Consequently, for customers who have hardware that does not support DVDs, a two-CD MAP system installation package is now available.</p>				✓
<p>Installation Hardware Analysis</p> <p>A new script was created to perform a hardware analysis during the installation of the PressureMAP/PressureWEB software. The script will detect minimum requirements for hardware memory, disk space, CPU Mhz, CPU chores and CPU MIPS (millions of instructions per second). A warning message will display if requirements are not met, and the user will be prompted to continue or not.</p>				✓
<p>Relational Database Implementation</p> <p>The next stage in the evolution of the PressureMAP/PressureWEB product has arrived with Ver 29 and Ver 4.0 respectively. Both applications are now based on a common database: PostgreSQL, which is an open source RDBMS similar to Oracle. The common database provides the infrastructure needed to develop web applications such as PressureMAP data entry, custom reports, etc. It can also provide a means of customer access to PMAP data via commonly used tools, such as Excel and Access.</p>				✓



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<p>System Review Report</p> <p>PressureMAP Ver 29 and later versions include a new System Review Report, generated monthly, which provides management personnel with the following PressureMAP system administrative and performance data: licensing information, system status, call cycles, Digi PortServer resource allocation and operation, system errors, office status, and the most frequent errors per office.</p>				✓
<p>System Registration Validation</p> <p>Beginning with Ver 27 it is now necessary to contact System Studies to obtain a key to validate the PressureMAP system registration file when: 1) PMAP is newly installed, 2) first updating to Ver 27 or higher, and 3) when the system is restored from backup media.</p>		✓	✓	✓
<p>Office Monitor Support^ô System Studies Equipment</p> <p>The MAP System has supported the 289H and 289H-M LSS monitors for over two decades. Several years ago support was added for the uM260 Micro Monitor. A new office type was established in PressureMAP for the uM260 monitor starting with Ver 26. Ver 27 added support for XC device (cable theft monitoring contactor). Ver 28 includes support for two new Device Types: JD (air temperature sensor in Relative Humidity/Temperature Transducer) and MB (air tank volume transducer, measuring % remaining). It also adds support for metric uM260 devices.</p>	✓	✓	✓	✓
<p>Office Monitor Support^ô Other Manufacturers</p> <p>The MAP system also supports the following monitor types: 1) Chatlos (600, 640 List 1, 640 List 2-CP1, 640 List 2-CP12, 640 List 2-CP20, 640 List 2-MPUZ, 640 List 2-MX, 640 List 3, 640 List 3-MX,), 2) Hercules 740 and 940, 3) Sparton (5301A, 5310 [only when used as a satellite to a Model 5301], 5335A, 5345A, 5301B, 5303B, 5304B, 5330B, 5335B) , 4) TMACS T-1000, 5) Lancier 101 and 1005, 6) Nicotra MINIDAS I and MINIDAS II (MINIDAS-2400), 7) Teleducer 50, 8) Puregas PVD 800, Telsec 1500 and 2000.</p>	✓	✓	✓	✓
<p>Puregas C-Board (PVD 800) Support</p> <p>PressureMAP now has the ability to read device information for Sparton monitors equipped with a Puregas PVD 800 board. Support also includes alerting capability.</p>		✓	✓	✓
<p>PressureWEB Support</p> <p>Beginning with Ver 26, access to key PressureMAP system reports and information became available to PressureMAP users via a web-based application called PressureWEB. This application has now become the preferred method of accessing PressureMAP-generated reports and information. Please refer to the information at the end of this document for PWEB enhancement descriptions.</p>	✓	✓	✓	✓



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<p>Support for Digi PortServer II</p> <p>This multiport server uses a network connection and offers up to 16 serial ports^ô expandable to 64 with multiple server modules. Ver 27 adds 4-star alarm generation capability when loss of network connectivity is detected between PressureMAP and PortServers. Linux Ver 27 also includes Network Administration option to perform connectivity test.</p>	✓	✓	✓	✓
<p>Support for Digi PortServer TS 16</p> <p>Replacement for discontinued Digi PortServer II. The PortServer TS 16 offers up to 16 serial ports (non-expandable) and includes an attached mounting plate for installation in a 23-inch wide equipment rack.</p>			✓	✓
<p>Digi Driver Update</p> <p>The Digi PortServer TS 16 driver has been updated to 1.9-36, which is required for the CentOS 6.s operating system. The upgrade will be included on new PressureMAP system installations and available as a MAP update where the user will be prompted for the password of the day to perform the Digi driver upgrade from 1.9.17 to 1.9.36.</p>				✓
<p>Support for Multiple Network Printers</p> <p>Multiple printers, local and remote, can be set up to receive printed reports from the system. Printers may be configured to receive reports from other systems.</p>	✓	✓	✓	✓
<p>Support for Mega Office</p> <p>PressureMAP supports a Mega Office, which provides a single access to multiple subordinate offices. These subordinate source offices often are equipped with smaller monitors, like the uM260 and Dial-a-Ducer. The Mega Office serves a function similar to the Transfer Office, where certain device types (e.g. air dryer contact alarms) from multiple source offices are placed in a transfer file for easier access. Unlike the Transfer Office, it is possible to have multiple Mega Offices in a system.</p>	✓	✓	✓	✓
<p>CD-ROM Installation</p> <p>Easier installation of the MAP Software and PressureWEB from a single CD-ROM. Replaces older tape cartridge installation. Ver 29 adds a multiple CD option to accommodate equipment that does not include the higher capacity DVD drive.</p>	✓	✓	✓	✓
<p>Expanded Report/Alarm Center Limit</p> <p>One PressureMAP System can have up to 72 alarm and 72 report centers. Ver 28 allows all of the offices (up to 250) plus System office (Office 0) to report to the 72 designated alarm and report centers when specifying ALL in the Offices data field. Previously, if ALL were entered in the data field, the office list associated with the center would include only the first 72 offices in the system, plus Office 0.</p>	✓	✓	✓	✓



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<p>BackupEDGE Utility</p> <p>Beginning in Ver 26, PressureMAP supports a system backup utility that gives users the ability to back up system data to variety of sources, including magnetic tape, CD-ROM, DVD-ROM, RAM disk, or to a remote backup source via FTP. Supported added for BackupEDGE 3.0 in PMAP Ver 27.00.08. Customers using BackupEDGE in Ver 28 can specify the number of backup slots (backup copies) they would like to keep before the oldest backup is over-written. Pertains to any supported and configured media resource except tape. Actual number of backup slots depending upon actual backup resource space availability. Ver 28.00.05 includes the ability to add up to four different BackupEDGE configured resources (CD, tape, url, etc.) to the PressureMAP scheduler.</p>	✓	✓	✓	✓
<p>Tape Backup</p> <p>Automatically backs up the entire MAP database to a magnetic tape. Ver 26 supports a new third-party backup utility (see above) which makes it possible to back up PressureMAP to a multitude of sources in addition to magnetic tape. Ver 26.01 includes new Tape Administration Menu for remote control of tape backup equipment and drivers.</p>	✓	✓	✓	✓
<p>BackupEDGE Restore Utility</p> <p>In Ver 29 the script of the BackupEDGE restore utility (RestoreEDGE) was revised to check the major system revision designations only when performing a restore function. Previously, it checked the <i>major</i>, <i>minor</i> and <i>patch</i> version numbers, and if they did not match the restore was aborted. This more stringent check was a bit restraining because a system that needs rebuilding might be on an older version than what is installed on a spare computer. Now if the versions do not match, the software prompts you to perform a forced PressureMAP update using the correct version after the rebuild to ensure that the proper files are in place. Ver 29 also includes improvements to the BackupEDGE restore, rebuild process to make it possible for stickmap images to be restored along with office and device data if a customer rebuilds a system on a spare computer.</p>				✓
<p>System Administration</p> <p>Automates most of the routine functions, and puts all System Administrative functions, including Printer Administration in a single comprehensive menu. Ver 26: BackupEDGE multi-source backup utility initiated from System Administration Menu. Ver 26.01: Tape Administration added to System Administration. Ver 27 includes: 1) new System Uptime display option, and 2) option to Renew System Registration now required after installing new system, updating to Ver 27.00.08 and later, and restoring a system from backup media.</p>	✓	✓	✓	✓
<p>Network Administration</p> <p>Can configure a gateway address for remote LAN access, Network Printing, serial resources and the Simple Mail Transfer Protocol (SMTP) for AlarmMAP. Ver 22: Printer administration moved to System Administration. Ver 27 adds the ability to resolve the mail server name via either a fixed IP address or DNS lookup (Linux OS only). Ver 28 (Linux OS only) adds the ability to reset a Digi PortServer remotely. Ver 28.00.05 adds to ability to set a sender name alias for mail that originates from PressureMAP. This addresses mail system requirements for email to originate from a registered user name, not the <i>map</i> and <i>root</i> designation used by PressureMAP.</p>	✓	✓	✓	✓



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User Management Requires passwords (with assigned menu levels) to log on. Ver 28 adds new option to Force User Password Change (allows administrator to have an individual or all users to change his/her password at next login).	✓	✓	✓	✓
Limited Programming of Sparton and Chatlos/Hercules Monitors PressureMAP can update device data programming for the Sparton 5300B and 5318, Chatlos L3, and Hercules 940 CPAMS monitors. This functionality eliminates the need for duplicate data entry when adding or updating devices. Ver 29 adds programming support for Hercules 740 monitors.	✓	✓	✓	✓
Tone Generation Capability CPAMS Diagnostics for 289H monitors includes menu options for selecting and routing pseudo-data tone frequencies to 289H dedicated relay cards and pairs. Requires 289H equipped with tone generation-capable 289H utility card and relay card(s) equipped with tone capacitors.	✓	✓	✓	✓
Ability to Reset 289 Phone Tables It is now possible for users to manually reset the 289 phone tables. If a 289H office is moved to a new system, for example, a second entry gets added to the 289 phone table. This creates problems with the 289H Alert phone number and results in the generation of a dialing/communication errors.			✓	✓
Retaining Chatlos CKT Data During PMAP Version Update Beginning with PWEB 4.0 circuit number (CKT) data for offices that were converted from a Chatlos to a 289H LSS/uM260 monitor is now included in the various PWEB device reports. However, when an office is converted to a new PressureMAP version, the CKT value is not imported into the new history file. Ver 29 now preserves the CKT data during a version update.				✓
Support for Sparton Dedicated Replacement Card PressureMAP supports the 289H monitor's ability to read Sparton devices via the Sparton Dedicated Replacement Card, which connects directly to the device's Sparton cables. This includes automatic conversion of Sparton data to 289H LSS format.	✓	✓	✓	✓
Remote Reset of DigiPortServer Ver 28 adds ability for users with Network Administration privileges to remotely reset a Digi PortServer. Useful if PortServer is powered up and working, but one or more connected modems are inoperative.			✓	✓



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<p>Ability to Connect PressureMAP Systems to Network Time Protocol (NTP)</p> <p>A new Network Administration Menu selection makes it possible to configure the Linux OS clock on your PressureMAP system to use Network Time Protocol. With this capability you can designate a server on your network to be the local time server for all of your other devices. This makes it much easier to correlate system-related events on different systems and network components.</p>			✓	✓
<p>Standardized Latitude/Longitude Format</p> <p>Beginning with Ver 28, latitude and longitude coordinates used in data entry are displayed in PressureMAP/PressureWEB as decimal degrees (e.g. 36.974117), although they may actually be entered the older legacy format (N36+58.447).</p>			✓	✓
<p>Capturing PMAP Location Coordinates from Smartphone</p> <p>Beginning with PressureMAP Version 29.01 it is possible to use an iPhone to obtain latitude and longitude coordinates for an office and/or monitoring device location and send them via the phone's email application to the PressureMAP server. Submitted data can then be updated on the PressureMAP system</p>				✓
<p>Removed Log Out Requirement for Supplemental Updates</p> <p>Performing a Supplemental Update for the PressureMAP system no longer requires that all users logged into the system be notified to log out prior to initiating the update. Previously, the update application would not run unless all user were logged out. This requirement still pertains to a System Update, but is no longer necessary for Supplemental Updates.</p>				✓
<p>Utility to Globally Set/Change Alert Numbers</p> <p>As part of disaster recovery preparedness, some operating companies may choose to maintain a remote group of PressureMAP systems with data identical to their active systems. These remote/backup systems are regularly updated with the live system data via a synchronization utility. If the backup systems were ever to go live, the Alert Numbers for 289H LSS and uM260 monitors would still reference (call) the original systems. PressureMAP now includes a utility that globally updates IP and modem Alert Numbers for all offices in a given system. This utility could be run after the office and device data is updated, so that the backup system are ready to go at any time.</p>				✓



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<p>PressureMAP Enhancements</p> <p>This section of the document primarily includes the new system enhancements or improvements that have been implemented in one of the PressureMAP software releases listed in the column headings to the right. Some rows, however, describe important system enhancements that were implemented in prior releases of the software. They are included here for reference.</p>				
<p>Dispatch Priorities</p> <p>Beginning with PressureMAP Ver 27 the Dispatch Priorities display will also list any System Alarms that are related to the specific office. These would appear below the usual "high five display" under the new heading: "System Alarms for OFFICE_NAME."</p>		✓	✓	✓
<p>Keyword (SENT) Displayed in Dispatch Priorities Report</p> <p>The keyword, SENT, appears in the Condition column of the Dispatch Priorities Report if an alarm was successfully delivered to all Alarm Centers for the call time slot that was in effect when alarm delivery took place. Device Histories also now includes the keywords, DELIVERED ALL CENTERS and CLR DELIVERED ALL CENTERS in the Entry Type field, when applicable.</p>			✓	✓
<p>File Browser</p> <p>Allows scrolling through task dispatch and device histories, search by device number, and export to DOS options. Ver 28 includes the ability to print a report from browser mode to an email address.</p>	✓	✓	✓	✓
<p>Diagnostic Interface to CPAMS</p> <p>Allows interaction with CPAMS to perform manual scans, maintenance, or data entry without leaving PressureMAP. Ver 26: creation of new 289H Pair Diagnostics option that allows user to initiate four of the existing test options (DC Voltage Test, AC Voltage Test, Leakage Test and Capacitance Test) from one command and have the output displayed on a single screen.</p>	✓	✓	✓	✓
<p>Expanded Tasks per Day Allocation</p> <p>Due to its expanded office monitoring capability, PressureMAP now allows for a maximum of 9999 tasks per day (up from 999). Ver 27 incorporates hexadecimal task numbering, allowing task numbers up to 65535.</p>	✓	✓	✓	✓



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<p>AlarmMAP Enhancements</p> <p>This section of the document primarily includes the new system enhancements or improvements that have been implemented in one of the PressureMAP software releases listed in the column headings to the right. Some rows, however, describe important system enhancements that were implemented in prior releases of the software. They are included here for reference.</p>				
<p>Alarm Center Delivery Improvement</p> <p>AlarmMAP has been modified to allow delivery of alarms to centers by center, rather than by office, as was previously the case. Eliminates User and Auto Acknowledge delivery modes and replaces them with Summary Report mode. Ver 28 includes option to add separate lines which list the Office Name and the associated Wire Center to the Full Alarm Report. Makes it easier for user applications that process alarm data to identify and route alarms to appropriate destinations. Ver 28 has also been modified to stop alarm delivery to centers once all centers in the current calling time that was in effect when alarm delivery took place have been notified. If desired, however, AlarmMAP can also be set up to continue delivering alarms to all centers in later calling time slots. In this setup, the alarm will now include a "SENT" keyword indicating that the alarm was successfully delivered.</p>	✓	✓	✓	✓
<p>Alarm Dispatches via Email</p> <p>AlarmMAP can deliver Alarms, including a Brief Report format, to alarm centers via the Internet, Local Area Network (LAN), or Wide Area Network (WAN). Ver 26 supports Condensed Report delivery to alphanumeric pagers via email. Condensed Report is a hybrid of the One Report and the Brief Report. In condensed format Brief Reports are sent until the number of alarms generated exceeds the One Report regular alarm threshold set for the office. Alarms in excess of the threshold selection are then sent as one report in condensed format. Supports text mail alarm distribution. Ver 28 supports the ability to add multiple email addresses (LIST designation) to individual alarm centers. This will significantly reduce the number of alarm centers that are required. The Ver 28 email alarm format has also been changed to include a hyperlink to PressureWEB in the header section for the Full, Summary and One Report formats. The link generates PressureWEB's Specific Device Information display for the relevant device in alarm (Full Report and Summary Report). In the One Report format, the link displays an Alarm View report for the devices in alarm.</p>	✓	✓	✓	✓
<p>Send Test Alarm to Alarm Center</p> <p>The AlarmMAP Master Menu now includes an option to send a test alarm to a selected Alarm Center regardless of the center's office list or call time. Provides the ability to confirm that the alarm distribution function works at both the MAP computer and the selected center. Ver 26: allows 20-character test alarm comment.</p>	✓	✓	✓	✓
<p>Key/Value (histview) Alarm Format</p> <p>Beginning with Ver 28 PressureMAP can be set up to dump alarms in a histview-like key=value format, which can be more easily parsed by a user's database or other type of alarm management application. The script-formatted (RAP) report or alarm can be sent to an IP socket.</p>			✓	✓



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<p>High Priority Devices Allows any device to be designated "high-priority." Ver 26: High Priority device alarms are now distributed to Alarm Centers every two hours until they clear. In previous versions of PressureMAP, there were sent just once.</p>	✓	✓	✓	✓
<p>ONE REPORT Alarm Delivery Mode Allows for the delivery of a single alarm report when multiple alarms occur in an office and are queued for delivery during the same calling period. Ver 26: Condensed Report provides same function for email distribution to alphanumeric pagers. Ver 28 includes a link in the header of the One Report alarm to PressureWEB's Alarm View report showing data on all of the multiple devices in alarm.</p>	✓	✓	✓	✓
<p>Dispatch Histories AlarmMAP's View Dispatch Histories Report provides detailed information about all of the alarms that have occurred in a specified office during a user-selected reporting period. In Ver 27 the report was expanded to include not only the current device reading, but readings for Last, Today, Day -1, -2, -3, -4. Ver 28 included two important enhancements to Dispatch Histories: 1) adding the reading source (reading from a scheduled call, realtime reading, reading from a CPAMS alert, edited reading, and other unknown source) to Dispatch Histories; and 2) including information on the report to reflect successful delivery of alarms and cleared alarms to all centers.</p>	✓	✓	✓	✓
<p>System Alarm Distribution Beginning with Ver 27 any System Alarms that are related to an office are sent to designated Alarm Centers during the regular alarm distribution process. Previously, System Alarms were accessed from the Dispatch Priorities option, by typing the number "0" or the name "System" at the office prompt. The generated output included System Dispatches for all of the offices.</p>		✓	✓	✓



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<p>PressureWEB Enhancements</p> <p>This section of the document primarily includes the new system enhancements or improvements that have been implemented in one of the PressureMAP software releases listed in the column headings to the right. Some rows, however, describe important system enhancements that were implemented in prior releases of the software. They are included here for reference.</p>				
<p>Previous Versions</p> <p>PressureWEB 1.0 provided Device Status by Pipe reports (in a variety of sorting views), Specific Device Information, System Quality Indexes (by Office and Pipe), and Alarm Condition information. PWEB 2.0, included with PressureMAP Version 27, offered the following new display and setup functions: 1) link to System 0 (system errors) information from main navigation bar; 2) setup preference to designate category of alarms for viewing (4-star, 3-star and above, 2-star and above, etc.); 3) setup preference to view alarm device numbers for an office as either a count or percentage of total devices; and 4) updated display of data in the ðInö column of the Device Status View displays to include hours and minutes when this column includes ðTodayö for new alarms. PWEB supports realtime reading capability for 289H LSS and uM260 Micro Monitors.</p>	✓	✓	✓	✓
<p>PressureWEB 3.0 extends realtime reading support for the following monitor types: Dial-a-Ducer, Chatlos L2, Chatlos L3, Teleducer 50 (L3), Hercules 740, Hercules 940, PVD 800, Sparton 5300B, Sparton 5318, and Sparton V5. It also includes numerous other PressureWEB capabilities such as a Device Comments editor, Spanish language support, and the ability to view and print various PressureMAP reports in a familiar text format.</p> <p>PressureWEB 3.02.05 adds the following features: 1) links to office stickmaps (PDF versions), 2) a new <i>Troubles</i> menu (includes Troubled Pipe Pressure Report, Troubled Pipe Flows Report, Troubled Air Dryers Report, and System Errors Report), 3) addition of an <i>OAU</i> column in Device Status Views for all flow devices, 4) new <i>By Alarm Priority</i> link on the All/My Offices displays (shows all four star alarms sorted by rank (most critical ones listed at the top in descending order), 5) new Office Last Connect Preference setting (displays either the last Call <u>or</u> Alert made or the last Call <u>and</u> Alert), 6) new <i>Device Status by Cable</i> sorting preference, and 7) Device Status by Pipe and Device Status by Location include a gray-colored background and hyperlink for all SF devices in the TP (device type) column. The link generates a table which displays pertinent air flow and EP device information for the pipe.</p>			✓	✓
<p>Current Version</p> <p>PressureWEB 4.0 makes it possible to add, edit and delete office and device data within the PressureWEB web browser. Access to this feature is available from a new drop-down <i>Edit</i> menu located on PressureWEB's main navigation bar. The <i>Edit</i> menu appears on designated PressureWEB pages, such as <i>All Offices</i>, <i>My Offices</i>, <i>Device Status Views</i> and <i>Specific Device Information</i>. Like the original PressureMAP text editor, PWEB's editor also requires a separate password for access. To complete the database editing capability in PWEB Ver 4.0, two additional editing applications are provided: the <i>MEGA Office</i> editor and the <i>User Management</i> editor. Each of these applications requires a unique password to prevent unauthorized access to data.</p>				✓



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<p>Ver 4.0 also includes these new features:</p> <p>1) Pegged Devices Report, available from the <i>Troubles</i> menu. This display includes all of the pegged flow devices in the office(s) listing. It includes Office Name, Total Flow Devices, Count of Pegged Devices, Pegged %.</p> <p>2) The <i>OAU</i> column on the various PWEB device reports has been moved from its original position next to the <i>Curr</i> (current reading) column to the column position after <i>Address</i>. This eliminates possible confusion when scanning the report for reading information.</p> <p>3) There is a new <i>Setup</i> Preference to allow users to change the font size of the PWEB displays. This change has been made primarily to allow for easier reading of display information on mobile devices. If a mobile device is used and no font size preference is designated in <i>Setup</i>, application displays will now be presented in 17 pixels. This feature eliminates the need to zoom in on information in the mobile device.</p> <p>4) A new checkbox in <i>Setup</i> preferences enables the user to eliminate some of the alarm-generated colored backgrounds that appear on the various PressureWEB displays. When checked (default setting), PressureWEB produces a red background for all major (four star) alarms. No other alarm-related background colors are produced. When unchecked, both major and minor (one to three star) alarms will be displayed with colored backgrounds. As before, minor alarms will be shown with a yellow background color. The checkbox selection or default setting applies also to the new mapping application.</p> <p>5) Circuit Number (CKT) data is now included in an original Chatlos office that has been updated to a 289H or uM260 monitor. If there is data in the CKT field of the PMAP device record, this information will now appear on the Specific Device Information display and on the Device Status View pages in a <i>Circuit #</i> column located after the <i>Device #</i>.</p> <p>6) A new <i>Device Status by Sheath View</i> has been added that makes it possible to sort devices according to their sheath association in ascending order. Please note that is possible for a device to be shown under multiple sheaths.</p> <p>7) An <i>Alarm Type</i> data field has been added to the Specific Device Information screen for all TX Technology monitors, such as Chatlos, Hercules, and Teleducer. This field is used for contact alarm devices that are shown as Normally Open (N/O) or Normally Closed (N/C) to determine if an alarm is either an Open or a Short.</p> <p>8) A new script has been created in PWEB 4.0 that allows System Administrators to enter a <i>forwarding url</i> or <i>ip address</i> when it is necessary to move a PMAP system to a new machine.</p>				✓



∅ Indicates that either a new feature or a significant improvement to an existing one has been made since the release of the previous version.

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Map System Software Enhancements	Ver. 26	Ver. 27	Ver. 28	Ver. 29
<p>Ver 4.01 includes a new Enterprise View¹ utility with two viewing options: Data View and Map View. The highest access level for each of these options is Enterprise View, which includes all of the PMAP systems in the telephone operating company, organized by region, state, district and office. Data View includes a menu navigational system and important spreadsheet data in column format. Map View replaces the grid data report with a full color geographic map. PressureMAP system locations, offices, pipe routes, etc. are overlaid on the map, and users can click on a highlighted location to generate a closer map view of the selected area. Another access point to the Map View is via a new map icon located on the various PressureWEB View Options displays or the Specific Device Information display.</p> <p>¹ Note: this feature is available beginning with PMAP Ver 29.01.</p>				✓



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