



Version 5.2 Release Notes

ImageTrend is constantly committed to enhancing our product by adding new features to improve user friendliness and to adhere to our goal of providing up-to-the-minute technology for our EMS and Fire communities.

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** The numbers listed in parenthesis following many of the bullet points in this document refer to ImageTrend’s internal development tracking tool ID.*

** Please note that this document lists all changes that have been implemented into our products since the version 5.1 release. It’s possible that some of these items (in particular defect fixes) have already been pushed to certain sites in the form of hotfixes or minor updates.*

For specific questions about this release, please contact the ImageTrend Support department at (952) 469-1589 or visit <http://support.imagetrend.com>.

For information about any of the optional components, or any sales questions, please contact ImageTrend EDS Sales at (952) 469-6131 or e-mail sales@imgatrend.com.

Release Highlights

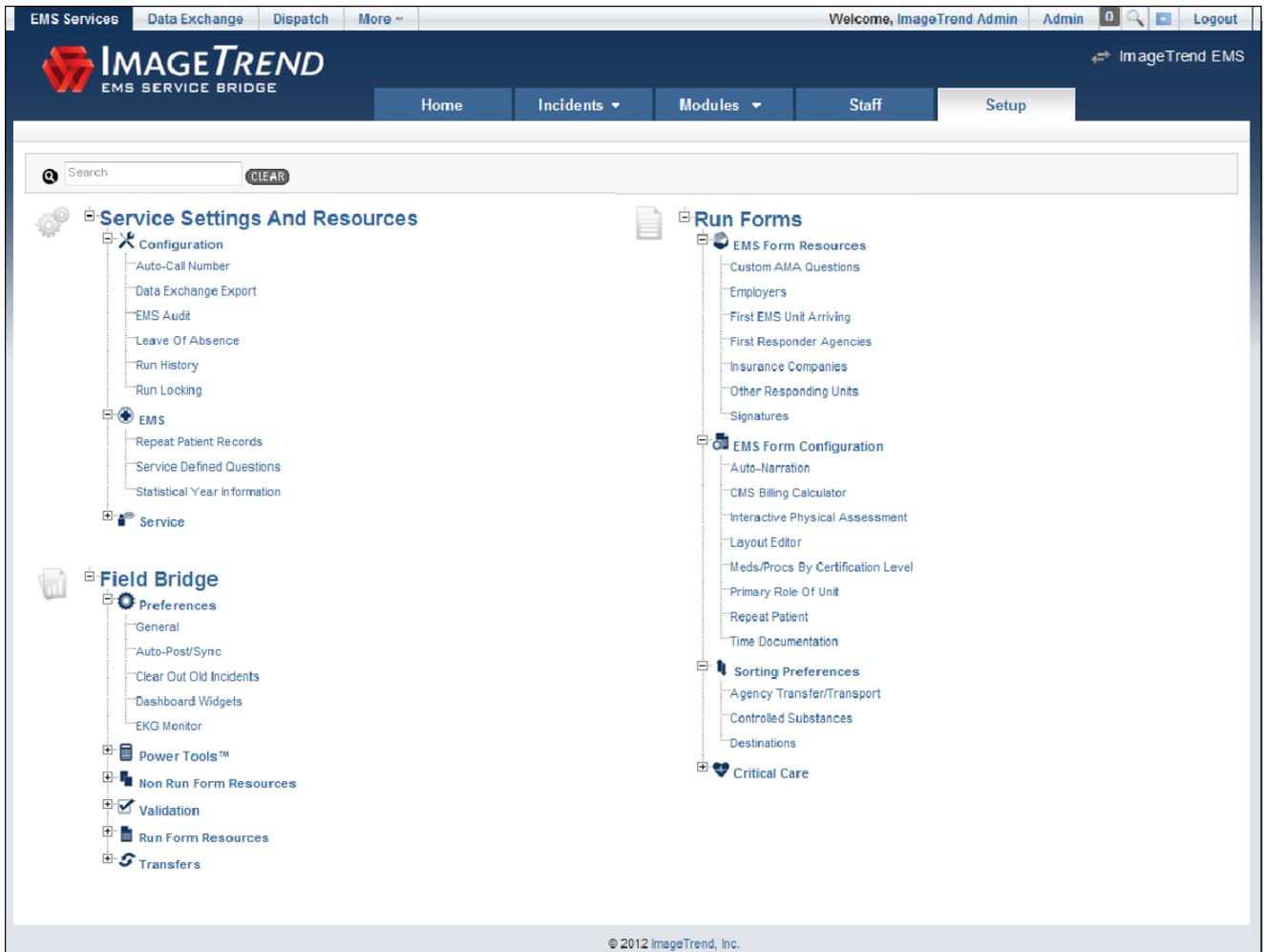
- **Field Bridge:**
 - Typing in the *Last Name* field will auto-search the repeat patient database.
 **NOTE:** *This functionality, as well as the Repeat Patient button, will be hidden if the "Use Repeat Patients" service setting is turned off. Previous versions of Field Bridge did not look at this setting.*
 - The Dashboard can now show how many unread QA/QI messages you have. The number will also include a link to your Service Bridge/State Bridge/Rescue Bridge. You can turn this on in Field Bridge administration.
 - You can choose to hide/show any of the 4 CAD/Transfer buttons.
- **Dynamic Run Form (DRF):**
 - Custom questions are now available within the auto narrative.
 - When viewing a dynamic run form that is locked (i.e., in read-only mode), all fields including the narrative will be scrollable.
- **EKG Integrations (within the Field Bridge):**
 - Physio-Control Code-Stat 9 is now supported.
 - ZOLL 5.21 is now supported.
 - The Import Wizard window runs asynchronously, allowing you to continue to enter data while the import is running.
- **Hospital Dashboard (Optional Component):**
 - A new user management screen is now available, which allows for hospital administrator to set up their own users.
 - Batch printing is now available.
- **Inbox Enhancements:**
 - You can now send messages to all users in certain permission group(s).
 - The list of users to choose from now when sending a message now includes all users who have content rights to the given service (not just those listed in the Staff section).
 - When using the External Email checkbox within QA/QI notes, you can now choose to send a generic message instead of the actual QA/QI message.
- **Scheduler - Phase 1 (Optional Component):**
 **NOTE:** *The Scheduler module is available for both EMS and Fire agencies. Please call ImageTrend Sales if you are interested in purchasing this module. Phase 2 is scheduled for our next major release, and will contain many more enhancements to the Shift Scheduling portion.*
 - You can view a calendar that integrates with and displays all custom events including investigations records, maintenance records, training records and activity records.
 - You can create a variety custom calendar events. Events can be one-time occurrences or repeated on a custom schedule. (These can be set up in a way similar to Outlook-style repetition/recurrence patterns.)
 - This module includes the basics of shift scheduling, which will be expanded with the next major release.
- **Miscellaneous:**
 - An updated Inspections client is available (see p. 24 for more details).
 - The *Setup* tab within each service has been redesigned with an updated style; the *I want to* drop down menu is now replaced with a searchable interface.
 - Many new data fields are available for you to add to your run form layout.
 - Ad hoc reports have been enhanced with several new fields to report on.



General Enhancements

Service Setup Redesign

- The user interface for the Service Setup section has been redesigned and enhanced to allow for:
 - Rapid searching of the needed run form options and resources,
 - Better categorization of all the resources (including the separation of EMS and Fire specific setups).
-  **NOTE:** This replaces the *I Want To* drop down menu menu from earlier versions.



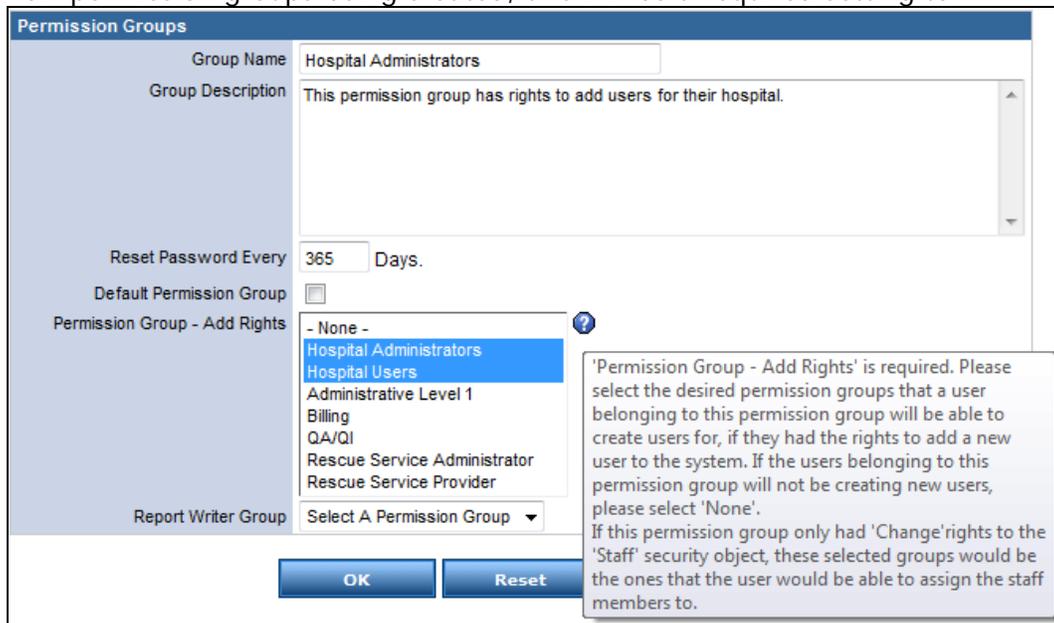
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Administration Enhancements and Updates

- In Version 5.2, the permission groups ranking has been removed, and the permission groups will now be sorted by name on the “Global Security” page. Instead of the previous hierarchy settings to determine the ability to add users to permission groups, we have added additional flexibility to select a custom set of permission groups as needed. Each permission group can have a custom set of permission groups that the members of that group can add users to. (For example, you can indicate that a service administrator should be able to add users to the service provider permission group, but not the hospital user group.)
 - If the permission group you are setting up has only “change” rights to the “staff” security object, the permission groups that they can add users to will be limited (as displayed in the screenshot below.) (67024)

 **Advantage:** The earlier hierarchy method of permission groups was not flexible enough to add additional definition, for example to say that users belonging to a permission group ranked #7 should be able to create users belonging to permission groups ranked #8, #9 and #11, but not #10. The new interface allows for this type of flexibility.

 **NOTE:** Upon upgrade, permissions for existing groups will already be pre-populated to avoid extra manual work for system administrators. However, for all new permission groups being created, this will be a required setting to fill in.



Permission Groups

Group Name: Hospital Administrators

Group Description: This permission group has rights to add users for their hospital.

Reset Password Every: 365 Days.

Default Permission Group:

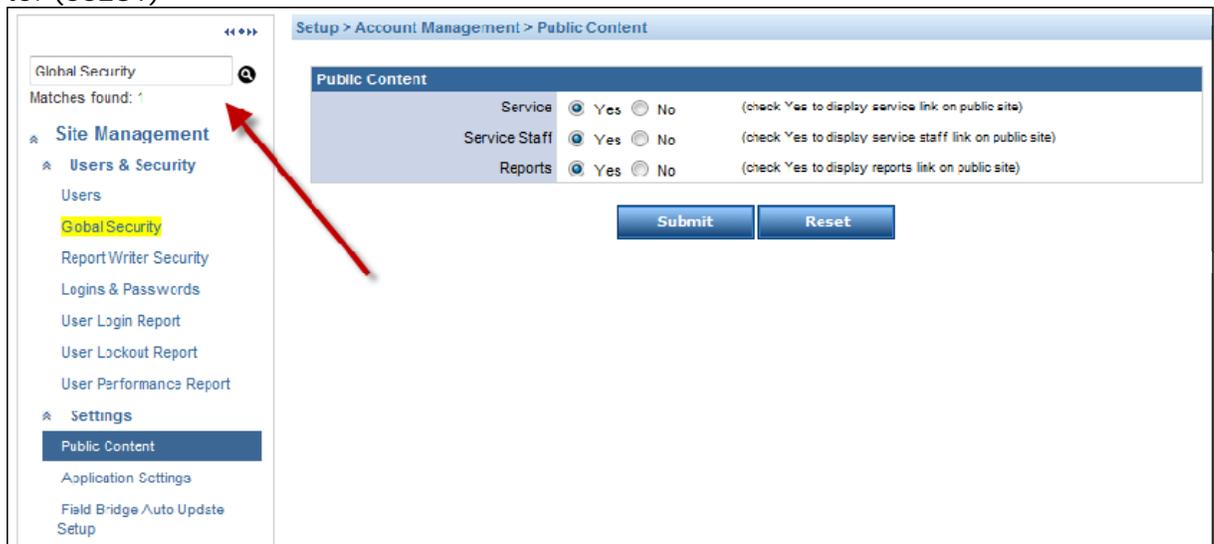
Permission Group - Add Rights: - None -
Hospital Administrators
Hospital Users
Administrative Level 1
Billing
QA/QI
Rescue Service Administrator
Rescue Service Provider

Report Writer Group: Select A Permission Group

OK Reset

'Permission Group - Add Rights' is required. Please select the desired permission groups that a user belonging to this permission group will be able to create users for, if they had the rights to add a new user to the system. If the users belonging to this permission group will not be creating new users, please select 'None'. If this permission group only had 'Change' rights to the 'Staff' security object, these selected groups would be the ones that the user would be able to assign the staff members to.

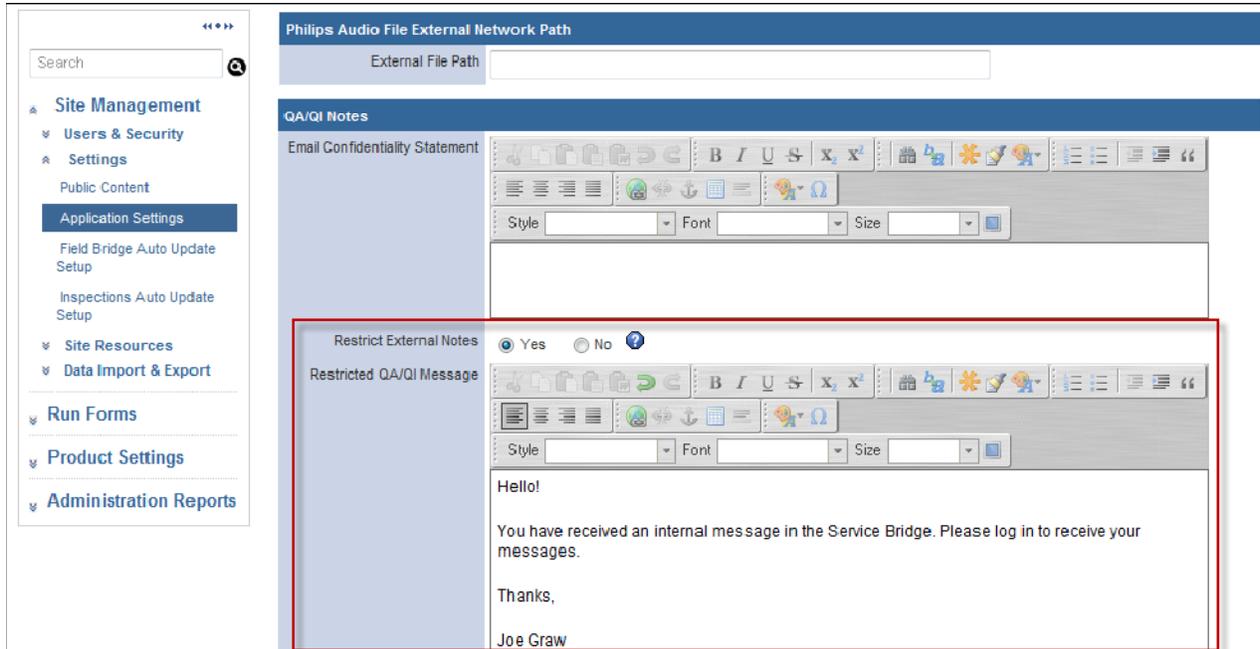
- The dynamic search functionality is also available in the left panel (see below) in the “Admin” tab to quickly find the link to the page the system administrator needs to go to. (66281)



- A new security object called “Home Page” has been created which gives system administrators the capability to define which permission groups will have access to update the system’s home page. Previously, the permission to update the system’s home page was only available to the users who belonged to the permission group that had the hierarchy of rank one. (67024)
- Due to all of the dependencies across the system, the ability to delete a permission group has been removed. If you would like to delete a permission group, please contact ImageTrend support. (66948)

QA/QI Enhancements

- The ability to restrict external QA/QI notes has been added so that the actual message does not get emailed out to external email addresses. Instead, a customizable message will get emailed out. This setting can be found in the *Admin* section under *Site Management >> Settings >> Application Settings*.



- Slush boxes have been added for more rapid selection of crew members and administrative contacts when composing and replying to messages. This also allows the user to easily see who has been selected. The selected staff members show up in the right-hand slush box.
 - When adding a QA/QI note via an incident, the staff selection slush boxes will include not just the staff members of the service that the incident belongs to, but also anyone who has content rights to that service. This would provide the ability to send QA/QI notes to system users with content rights to that service who don't necessarily show up in the staff listing for the service.
 - If you have content rights to multiple services or all services and are sending an internal message that did not originate within a run form, additional options are available for you to narrow down the recipients of your message.
 - There are slush boxes available for you to select service(s) that the users you want to receive your message belongs to. Once you select a service, all staff members with content rights to that service will appear in the *Staff* slush boxes.
 - If you have access to only one service and are sending an internal message that did not originate within a run form, all staff members with content rights to your service will appear in the *Staff* slush boxes. You will not see the *Services* slush boxes.

 **NOTE:** The staff selection slush boxes do not show users who have content rights of "ALL" (i.e., rights to all the services in the system).

- You can send an internal message to all members of a specific permission group.
 - If you select a certain permission group(s) when sending a QA/QI message from within an incident, the message will be sent to all users who belong to the permission group(s) selected and have content rights to the service that the incident belongs to.
 - If you select a certain permission group(s) when sending an internal message (not from within an incident), the message will be sent to all users who belong to the permission group(s) selected and have content rights to all the service(s) that you have content rights to.

What a user will see who has content rights to multiple departments and is sending an internal message (not from within an incident):

Notify Select Services to Populate Staff:

Available	Selected
Deploy Service Default Settings (1)	ImageTrend EMS (1855)
Hiley Hospital (2222)	
Ketcher Fire (369)	
Mercy Regional (1055m)	

Service Staff:

Available	Selected
Carroll, Ben -	
Guy, Test -	
Miller, Chris -	
Miller, Chris -	

Permission Groups:

Available	Selected
Administrative Level 1	
Hospital	
KK Test Service Group	
QA/QI	

If no services are selected above, only users in the selected permission group who also have content rights to the service you are currently logged into will receive the message.

Administrative Contacts:

Available	Selected
Admin, I	

Send

(PC) = Indicates Primary Contact
(MD) = Indicates Medical Director

Submit Reset << Back

The "Services" slush box appears if you have access to multiple services and do not begin the message from a run form. This lets you quickly select the service and staff to receive the message.

The "Permission Groups" slush boxes allow you to send a message to all people in that permission group who have content rights to the service selected in the "Services" slush box or (if no service is selected) all people with content rights to the service you are logged in to.

What a user will see who is sending a QA/QI note (from within an incident):

The screenshot shows a web interface for sending a QA/QI note. At the top, there is a header "Please write your message here" and a text area containing "Last name is missing in this form". Below this, there are fields for "Date" (01/30/2012 10:34 AM), "From" (ImageTrend Admin), "Message Type" (Documentation), and "Subject" (Missing information). The "Notify" section is divided into three parts: "Staff Associated with this Incident" (with checkboxes for Amy Melby and Michael Patock), "Service Staff" (with an "Available" list containing Earson, Lric - (PC) Elbashier, Waleed - Hiner, John - Melby, Amy - and a "Selected" list), and "Permission Groups" (with an "Available" list containing Provider Add training record, Read Only User, Rescue Service Administrator, and Rescue Service Provider, and a "Selected" list containing Regional Administrator). A note below the permission groups states: "*If no services are selected above, only users in the selected permission group who also have content rights to the service you are currently logged into will receive the message." Below these sections is an "Administrative Contacts" section with an "Available" list containing Admin, ImageTrend - Singh, Test1 - and a "Selected" list. At the bottom, there are "Submit", "Reset", and "<< Back" buttons. Two callout boxes provide additional information: one pointing to the "Service Staff" section stating "When sending a QA/QI note from within a run, the staff selection slush boxes show all users who have content rights to the service that the run belongs to." and another pointing to the "Permission Groups" section stating "Selecting a permission group here sends the QA/QI note to all people in the system who belong to the selected permission group AND have content rights to the service that this run belongs to."

- The "Email Confidentiality Statement" editor has been moved to the *Admin* section under *Site Management* >> *Settings* >> *Application Settings*. Previously, it was within the *Logins & Passwords* page.

New Scheduler Module (Optional Component)

- There is a new version of Scheduler available that has the following functionality built into it.
 - Event Calendar**
 - An event calendar is available that integrates with and displays investigation records, maintenance records, training records and activity records.

The screenshot shows the 'Scheduler' module in the ImageTrend software. It displays a monthly calendar for January 2012. The calendar is organized by days of the week (Sunday through Saturday) and shows various shift assignments. For example, on Sunday, there are shifts for '06:30 Daily Every Third Day Shift' and '06:30 Green Third Day Shift'. On Monday, there is a '08:30 Blue Weekly Shift'. The calendar continues with similar shift assignments for the rest of the month, including a '00:45 Day Weekly Shift' on the 30th.

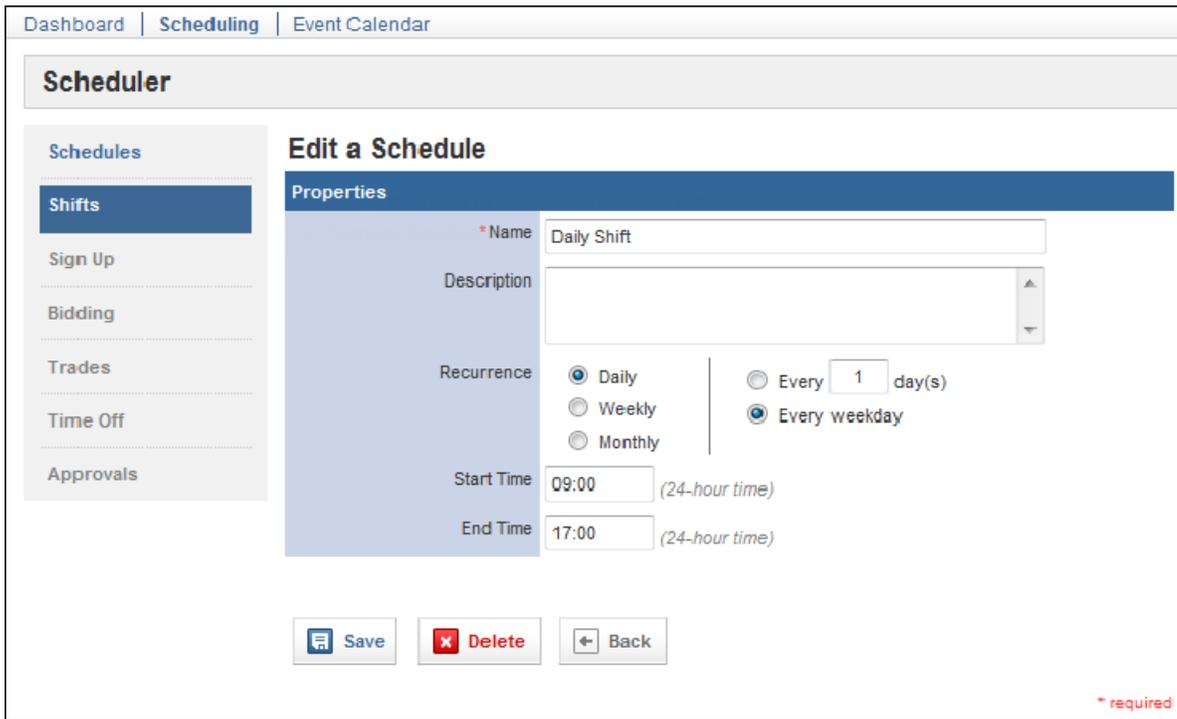
- You have the ability to create custom calendar events, including recurring events if needed.

The screenshot shows the 'Event Calendar' view within the Scheduler module. A modal window is open for creating a custom event. The event is titled '08:00 - 08:30 Custom Event'. The modal includes fields for 'Name' (set to 'New event') and 'Description'. Under 'Repeat event', the 'Monthly' option is selected, with a frequency of '1 day every 1 month' starting on 'Monday' every '1 month'. The 'Time period' is set to '08:00' to '08:30' on 'January 3, 2012'. The modal also has 'Save', 'Cancel', and 'Delete' buttons.

- **Shift Scheduling**

- Shifts can be created and tied to schedules to display on a calendar. Staff members can be added to a shift once it has been connected to the appropriate schedule.

 **NOTE:** In this Phase I of the new Scheduler, the shifts created through this new module will not populate apparatus/units and personnel on the EMS and NFIRS incident forms. That will still be handled by the *EMS Shifts* and *Fire Shifts* sections that are in place already. Future releases of Scheduler will tie these pieces together.



Dashboard | Scheduling | Event Calendar

Scheduler

- Schedules
- Shifts**
- Sign Up
- Bidding
- Trades
- Time Off
- Approvals

Edit a Schedule

Properties

* Name: Daily Shift

Description: [Empty text area]

Recurrence: Daily | Every 1 day(s) | Every weekday | Weekly | Monthly

Start Time: 09:00 (24-hour time)

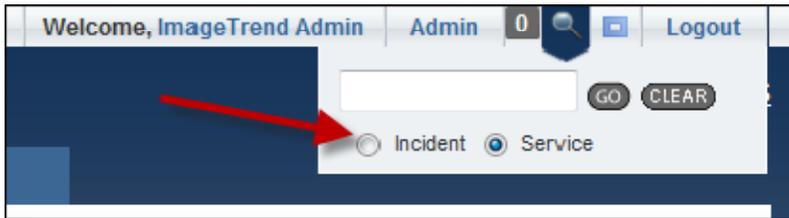
End Time: 17:00 (24-hour time)

 Save |  Delete |  Back

* required

Miscellaneous Updates And Fixes

- The search on top menu has been enhanced, allowing people with access to multiple services to choose whether to search on incidents or services. (65475)



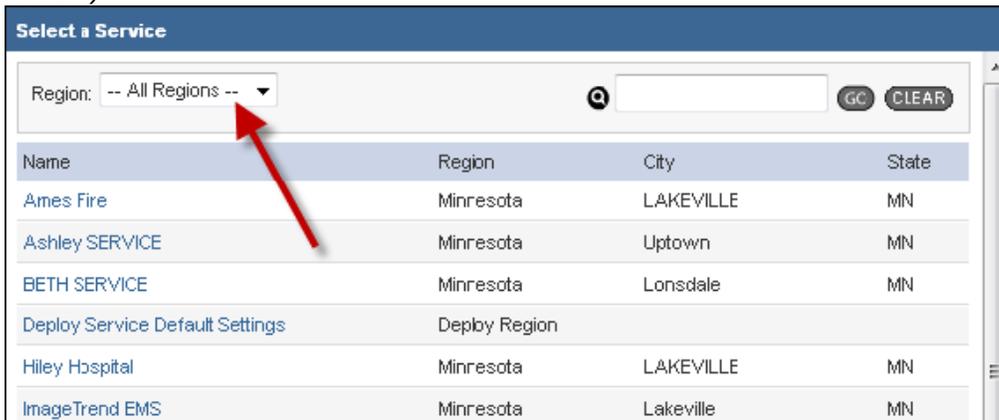
- The Maximize setting (shown above next to the magnifying glass icon) will not be saved upon logout or when going to a different page in the system. (65477)



- There is an icon next to the service name in the top right hand corner to indicate that you can click on it to switch services (if you have rights to multiple services). (64746)



- The service selection modal window now has the option to choose "All Regions." This will be the default selection when a user attempts to search on services. (64746, 66929)



- The application exception that appeared previously if you clicked *Data Exchange*, n switched services and then re-clicked *Data Exchange* has been fixed. (66577)
- The *No Runs To Report* section will no longer display an error when attempting to display all of the results in the page. (64475)
- The issue of the description not being populated when allocating an item within the *Staff >> Equipment* tab has been fixed. (65198)

- The issue in which clicking *Search* on the *Training* tab of the staff profile would result in the user being redirected to the *Documents* tab of the staff profile has been addressed. (67306)
- The *Training* tab in staff profiles is now spelled with an uppercase "t." (64699)
- The *View Log* links in the *Employment* tab of a staff profile that were previously causing an error have been fixed. (64973)
- The *Staff* list page will retain the last name that was searched on if you click to view the next page of results (64768).
- The *Reset Password* checkbox feature has been fixed to ensure that the user will get a prompt asking them to reset their password. (66307)
- The issue where the *Update Now* button in address sections within an incident run form was not working in IE9 has been resolved. (65357)
- The maximum length restriction on staff usernames has been removed. (65176)

New Data Fields Available

 **NOTE:** These new fields are set to not show on the run forms by default. They can be added (via the Layout Editor) by system administrators or by contacting ImageTrend. The Control IDs listed behind most of these fields indicates the ID that used internally within the ImageTrend system (you can search by ID from within the Layout Editor).

- EMS (Dynamic Run Form and Field Bridge)
 - IT5.69 Turn-Out Time Delay Field (*Control #1348*)
 - IT4.18 Signature Status/Reason Unable To Sign (*Control #1361*)
 - IT29.12 Risks of Transfer (*Control #1359*)
 - IT20.75 Patient Weight Actual/Estimate (*Control #1346*)
 - IT28.9 Patient's Primary Practitioner Phone Number (*Control #1426*)
 - IT5.68 Last Oral Intake Type (*Control #1331*)
 - IT5.70 Last Oral Intake Timeframe (*Control #1413*)
 - IT29.10 Medical Benefits Of Transfer (*Control #1372*)
 - IT29.11 Risks Of Transfer Narrative (*Control #1374*)
 - IT29.20 Accepting Doctor Phone Number (*Control #1424*)
 - IT29.21 Referring Doctor Fax Number (*Control #1419*)
 - IT29.22 Accepting Doctor Fax Number (*Control #1425*)
 - IT29.13 Air/Ambulance Anticipated ETA (*Control #1357*)
 - IT29.14 Consent Signed For Transfer (*Control #1354*)
 - IT29.15 Advance Directive Attached (*Control #1356*)
 - IT29.16 Transport Company/Agency Name (*Control #1384*)
 - IT29.17 Referring Hospital Phone Number (*Control #1414*)
 - IT29.18 Referring Doctor Phone Number (*Control #1418*)
 - IT29.19 Accepting Hospital Phone Number (*Control #1421*)
 - IT29.4 Transport Accepted Date/Time (*Control #1403*)
 - IT29.5 Patient Admitted To (Unit/Room) (*Control #1351*)
 - IT29.6 Reason Transfer Request Cancelled (*Control #1352*)
 - IT29.7 Accepting Hospital Notified (*Control #1353*)
 - IT29.8 Ambulance Transport Type Other (*Control #1355*)
 - IT29.9 Transfer Rig Number (*Control #1385*)
 - IT30.1 Patient Care Follow-Up (*Control #1373*)
 - IT30.10 QI/Patient Safety Feedback Contact Email (*Control #1417*)
 - IT30.2 Contact Name For Follow-Up (*Control #1377*)
 - IT30.3 Contact Type For Follow-Up (*Control #1362*)
 - IT30.4 QI/Patient Safety Feedback Contact Name (*Control #1401*)
 - IT30.5 QI/Patient Safety Feedback Contact Title (*Control #1400*)
 - IT30.6 Contact for Follow-Up Phone Number (*Control #1422*)
 - IT30.7 QI/Patient Safety Feedback Contact Phone Number (*Control #1415*)
 - IT30.8 Contact for Follow-Up Fax Number (*Control #1423*)
 - IT30.9 QI/Patient Safety Feedback Contact Fax Number (*Control #1416*)

- IT1.60 O2 Sat Site (Control #1327)
 - IT1.61 O2 Sat Site Other (Control #1328)
 - IT20.76 Abd: Gastric Tubes Drainage Color (Control #1383)
 - IT20.77 Abd: Stool Color (Control #1387)
 - IT20.78 Cardio: Heart Tones Other (Control #1378)
 - IT20.79 Abd: Gastric Tubes Nare Left/Right (Control #1386)
 - IT20.80 Abd: Gastric Tubes Suction (Control #1381)
 - IT20.81 Resp: Aeration Left (Control #1436)
 - IT20.82 Resp: Aeration Right (Control #1437)
 - IT20.84 Resp: Lung Sounds Right (Control #1439)
 - IT20.83 Resp: Lung Sounds Left (Control #1438)
 - IT7.92 Laryngoscope Blade Field – Procedure field (Control #1435)
 - Signature date-times (Controls #1363-1371)
- Multiline text controls (Dynamic Run Form and Field Bridge):
These are not new data points, but are enhancements to existing comment and note fields that change the style of the textbox so that it is multiline (i.e. taller) and therefore easier to enter and read the text that gets entered.
 - Medication Comments (Control #1428)
 - Procedure Comments (Control #1429)
 - Neuro Notes (Control #1430)
 - Abdomen Notes (Control #1431)
 - Cardio Notes (Control #1432)
 - Respiratory Notes (Control #1433)
 - Musculoskeletal Notes (Control #1434)

Comments	
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- Critical Care (**Optional component**)
 - IT28.6 Safety Equipment Family (Control #1343)
 - IT28.7 Safety Equipment Family Other (Control #1345)
 - IT7.89 Radiology Status (Control #1350)
 - IT28.8 Guardian Present (Control #1340)
 - IT8.94 Guardian Custody/Legal Status (Control #1341)
 - IT8.95 Guardian Documentation Provided (Control #1342)
 - IT28.1 Interpreter Needed (Control #1335)
 - IT28.2 Patient's Language (Control #1336)
 - IT28.3 Medical Interpreter Needed (Control #1337)
 - IT28.4 Language Line (Control #1338)
 - IT28.5 Primary Care Provider Contacted (Control #1339)
 - IT17.57 Other Labs Status (Control #1358)
 - IT17.58 Blood Gas Sample Type (Control #1380)
 - IT17.59 Blood Gas Status (Control #1379)
 - IT17.60 Culture Types Sent Other (Control #1389)

- IT17.61 C. Diff (Clostridium Difficile) (Control #1390)
- IT17.62 H1N1 (Control #1391)
- IT17.63 Influenza A (Control #1392)
- IT17.64 Influenza B (Control #1393)
- IT17.65 MRSA (Control #1394)
- IT17.66 Pertussis (Control #1395)
- IT17.67 RSV (Respiratory Syncytial Virus) (Control #1396)
- IT17.68 TB (Tuberculosis) (Control #1397)
- IT17.69 VRE (Control #1398)
- IT17.70 Pregnancy Test (Control #1406)
- IT17.71 Carboxyhemoglobin (Control #1410)
- IT17.72 Toxicology Screen (Control #1409)
- IT17.73 Coombs (Control #1399)
- IT17.74 Amyl (Amylase) (Control #1405)
- IT17.75 Lipase (Control #1411)
- IT17.76 ALT (Control #1402)
- IT17.77 AST (Control #1408)
- IT17.53 Chemistries Status (Control #1330)
- IT17.54 CBC Status (Control #1332)
- IT17.55 Diff Percentage Status (Control #1333)
- IT17.56 Other Labs Status (Control #1334)
- IT7.90 Pain Treatment Type (Control #1360)
- IT7.91 Ventilator Pressure Support (PS) (Control #1388)
- IT29.1 Physical Findings/Summary of Discussion w/ Referring Hospital (Control #1376)
- IT29.3 Accepting Hospital Recommendations (Control #1382)
- IT29.2 Physical Findings Assessment Completed By (Control #1349)

- Investigations (**Optional component**)

 **NOTE:** The Investigations fields will show automatically within the Investigations module (unlike the above fields which are controlled via Layout Editor).

- Start Date
- Start Time
- End Date
- End Time



Service/State Bridge (EMS) Enhancements

Hospital Dashboard Enhancements *(Optional Component)*

- In Version 5.2, a new “Hospital Users” management interface will be available where hospital administrators can create and manage users for their hospital to have access to the Hospital Dashboard.

There is security to ensure that hospital administrators will only be able to create users with access rights to the hospitals that they have rights for and not other hospitals. (40331)

 **Advantage:** This enhancement reduce extra work for the system administrators who previously needed to manage all of the hospital users. System administrators will now only need to do the initial setup of a hospital administrator for each hospital. The hospital administrators can then maintain all of their users.

Security Objects Permissions

Hospital Administrators Group

Security Objects <i>Navigation and Page Level Permissions</i>	     
 Services	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>
 Inbox	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>
 Hospital Dashboard	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>
↳ Hospital Run Linking	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>
↳ Hospital Users	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/>

ImageTrend EMS SERVICE BRIDGE

ImageTrend EMS

Dashboard | Users

Setup > Account Management > Add/Edit Hospital Users

Last Name: Lic #:

Filter By:

First Name	Last Name	Service	Permissions Group	Report Writer Permission Group	Associations	Active	Locked	Actions
 Hospital B	User I		Hospital Users			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
 Hospital B	User II		Hospital Users			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
 Hospital B	User III		Hospital Users			<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Records 1-3 of 3

- Batch Print functionality is now available on the Hospital Dashboard. (65542)

Standard Run Form Updates

- The patient name in the header of the standard run form will display if either the first name or last name have been filled out. (63683)
- The issue where the *Save* button on the standard run form could not be seen in IE9 has been fixed. (65881)
- The system administrator can create custom destinations without the city, county and state information by using the *Clear* button. The user will then have the ability to fill out the needed information on the run form. (65354)

Validation Engine Enhancements

- New modifiers are now available when building validation rule comparison.
 - Count of Where List Contains (66982, 65970)
 - Total Count of Where List Contains (66982, 65970)
 - This allows for rules such as:
 - If any technician has filled in “reason patient unable to sign” then the patient signature should not be filled in.

Validity Rule Comparisons			
	Data Section	Comparison	Value or Data Section
	IT4.1 - Signature	Not Signature is Blank [blank]	
And	[Count of Where List Contains] - IT4.17 - Reason Unable To Sign	Not Equals	[Count Of] - IT4.17 - Reason Unable To Sign

Add Validity Rule Comparison

Previous Comparison Operator: And

Data Section: IT4.17 - Reason Unable To Sign [Lookup](#)

Filter: Technician

Modifier: Count Of Where List Contains [?](#)

Value:

Negation: Not

Comparison Operator: Equals

Compare above section to: Other Data Section

Data Section To Compare: IT4.17 - Reason Unable To Sign [Lookup](#)

Filter: Technician

Modifier: Count Of

- Count of Vitals where Blood Glucose is filled in equals the count of Blood Glucose procedures.

Add Validity Rule Comparison

Data Section: E14.14 - Blood Glucose Level Lookup

Modifier: Count Of Where List Contains ?

Value: ?*

Negation: Not

Comparison Operator: Equals

Compare above section to: Other Data Section

Data Section To Compare: E19.3 - Procedure Lookup

Modifier: Count Of Where List Contains

Data Elements: Blood Glucose Analysis

- Validation rules can be built around Stroke Scale Facial Droop (IT13.12). (67016)
- When using the "Count Of" modifier and comparing against another data section, the issue where the data section was not populated has been fixed. (66467)
- For clients who are using Service/Rescue Bridge systems in Ohio, new Ohio validation rules will be deployed with version 5.2. They will be inactive by default. Please contact ImageTrend support if you have questions about these new rules.

Data Exports/Imports Enhancements/Fixes

- The option to automatically email out the XML scorecard (available underneath *Data Transfer History*) to the person who uploaded the NEMSIS XML file is now available. It will be sent out once the NEMSIS Import of the XML file has successfully gone through all of the processes, including validation. Please contact ImageTrend Support if you would like to have this feature turned on for your system. (65873)
- There is a new *Import Processor Status Report* available in the *Admin* section under *Administration Reports >> Incident Reports*. This report will show all the current NEMSIS XML Imports that are in the queue to be processed on the site. (67373)
- When attempting to post incidents from the Service Bridge to a State Bridge, an application exception will no longer appear. (66143)
- The *Post* button in the *Data Posting* section can no longer be submitted multiple times once you click it to post data. (64756)
- The *Export* button in the *NISE Export* section can no longer be submitted multiple times once you click it to export data. (64756)
- ZOLL RescueNet Export Updates **(Optional Component)**:
 - There is a new option to select whether the "Arrive Scene," "Arrive Patient," or "Leave Scene" time is used for the "Pickup Time" in the ZOLL RescueNet export. Arrive Scene Time is the default time that is used. (65560)
 - Users have the option to lock and/or mass update the status on the incidents being exported. (65413)
- You can now select more than one service when creating a CARES export file. If more than one service is selected, there will be a different Header node for each service's incidents contained in the export file. **(Optional Component)** (66016, 66017)
- The *Re-Post* button has been fixed in the *Data Posting* feature underneath the *Data Exchange* section. (64658)
- The issue where the SweetSoft Amazon Export would not be displayed if an associated user switched services has been fixed. **(Optional Component)** (66043)
- Users who have "View" user permissions to the "Run Forms" security object will be able to generate the PDF reports for incidents for the exports available underneath the *Data Exchange* section. (65588)

Miscellaneous Updates And Fixes

- Hover help has been added to the (+) *Translate Text* link in the *Edit Signatures* section under *View Run Options and Resources* to explain to the user the purpose of that function. (64798)
- The *Vehicle Dispatch Location* will automatically be populated on the EMS incident form being created from a CAD incident if the CAD incident had this information filled out. **(Optional Component)** (64825)
- On the *Dispatch* tab and on the list screen that appears when you click *Add EMS Run From CAD*, the unit number and call sign are now displayed in two separate columns. **(Optional Component)** (67030)
- The issue where narratives that were entered through CAD weren't being populated on the EMS incident run form has been resolved. **(Optional Component)** (63805)
- Several enhancements were made pertaining to the unified PDF report that is generated upon incident transfers. **(Optional Component)**
 - This report is now available to view within all the PDF report selection boxes in the system.
 - The batch print feature will initially attempt to print the unified PDF report if it is available: if not, it will print the default PDF report.
 - The *Unified PDF Report* icon will display on the *Run History* page when it is available to generate for an incident.
 - Permission groups can be configured to determine whether the users belonging to them will have rights to view the unified PDF report or not.
 - System administrators have the ability to upload the custom XSL files for the unified PDF report.
(66636, 64447, 65872, 64926)
- The Data Transfer History page will wait for a period of 48 hours before it will display the incomplete icon. (65169)
- Incident status updates made via the Billing View will be displayed in the history of the incident. **(Optional Component)** (66994)
- An issue in the Data Element Manager where the "Export All Data Values" option was causing an error has been addressed. (66968)
- The # character can now be used in the value field while building a validation rule comparison and the comparison will save successfully. (66280)
- The *Field Bridge Version 5* link in ImageTrend University has been corrected to go to the right section. (67386)
- The *Add Attendee* and *Add Multiple Attendees* buttons in the *Training* section will no longer cause an error in IE9. (65532)
- The *Next* button on *EMS Shifts* screen will no longer cause an error. (66034)
- The *Run Type* filter on *Run History* page will display "EMS" if a service does not have rights to standard run forms but does utilize dynamic run forms. (64521)

- A typo for "Ferrous Sulfate" has been corrected in the patient medications list. (66096)
- An issue has been resolved with adding staff through the Licensure system. **(Optional Component)** (66343)

Layout Editor Enhancements

Miscellaneous Updates And Fixes

- A new control called "Label" is now available, which can be used as a generic label to be placed anywhere on the run form template. The label can be updated as needed each time it appears on the run form. (*Control #1420*) (65020, 66661)
- Any inactive provider actions will display in the lists on the provider actions grid. (66532)
- Any changes made to the layout of a Vitals groupbox control within provider actions will be saved upon closing Layout Editor and going back in to view them. Also, any control that has child controls can be used on a template. (66678)
- The Spell Check box will show up for text boxes and multiline text boxes. (67040)

Dynamic Run Form (EMS) Enhancements

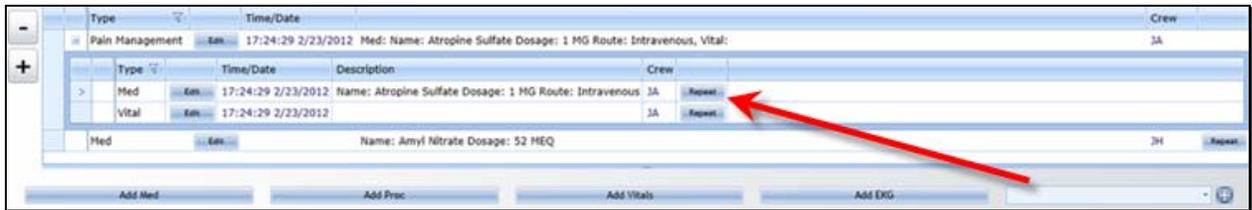
Miscellaneous Updates And Fixes

- The date controls/fields have been enhanced and now have a nicer looking calendar and an auto-suggest feature for the date as you type. When using the auto-suggest feature, you can press the *Enter* key when the suggested date is correct and it will automatically be prefilled into the field. (63739, 65895)



- Even if the incident is locked, the user will be able to scroll through the assessment grids or the narrative. (39344)
- The auto narrative now prompts for questions in the same way that it does in the Field Bridge. (66031)
- AMA signatures (both patient and technician) will now allow the collection of signature time. (60627)
- The scroll bar that appeared on the *Run History* page when the fields being displayed made the frame too wide will no longer carry over to the Dynamic Run Form when you click open a incident. (66400)
- The issue where "Other Medical History" was not being flagged by validation has been fixed. (66491)
- The issue where "GCS" group control was not being flagged by validation has been fixed. (66835)
- Normal values have been added to the Fishbone and CBC controls – available within the Critical Care module (**Optional component**). (66794)
- The Zone field will filter out fire-only zones. (67536)
- Validation will now flag the interactive assessment buttons like all other fields (63286)

- In the Provider Actions Grid, the Repeat button will now be displayed for each sub-item of a Provider Action when it has been expanded. (66556)





Fire/Rescue Bridge (Fire) Enhancements

Locations/Occupants/Inspections Updates and Fixes (Optional Component)

- A *Shift* filter has been added to the *Inspections* list page. (66011)
- The number of total violations, as well as number of open violations, have been added to the *Inspections* list page. (66010)
- The error generated upon attempting to edit an inspection for an occupant has been fixed. (66025)
- Locations can be added without documenting a name. (66405)
- Issues with the following procedures have been fixed:
 - Adding and deleting an inspection
 - Adding more than one inspector to the inspection
 - Deleting a location
 - Adding, reordering and deleting contacts (65722)
- The issue in IE8 where previous inspection for a location did not display correctly has been fixed. (65565)
- The issue where the Preplan Overview PDF report was displaying inactive location and occupant contacts has been fixed. (64749)
- **Mobile Inspections Client Updates:**
 - The user is prompted if they attempt to add another violation using the same violation code on an inspection. (31625)
 - An issue with syncing attachments with special characters in the file name has been fixed. (42812)
 - The Preplan Overview report will no longer filter out inactive contacts. (46504)
 - The Preplan Overview report will also display contacts where only the business name has been documented. (46505)
 - The number of total violations as well as number of open violations have been added to the *Inspections* list page. (49508)
 - The *Date Tested* field has been added to the Hydrants module. (58611)
 - A *Shift* filter has been added to the *Inspections* list page. (61450)
 - If your system has a lot of occupants in its list, you will notice a speed improvement in both login time and the time needed to refresh the *Occupants* page. (65605)
 - Inspection dates that would get flipped back to the previous day because of daylight savings issues have been addressed. (66071)

Inventory Module Updates and Fixes *(Optional Component)*

- The “Minimum Capacity” is being captured for an item. (64747)
- The error that appeared when clicking *Populate Details* and saving serial numbers has been fixed. (66905)
- The old Inventory module will now work with Service Bridge version 5 or higher. (65601)
- The *Staff >> Equipment* tab has been updated so that the item details and the item allocation information will show up in two separate grids. (65459)

Allocation Details		Allocated Item Details	
Date Allocated:	Days Allowed:	Product	Gloves
<input type="text" value="01/17/2012"/>	10	Item	Gloves
Expected Return Date:	Days Allocated:	Serial Number	
<input type="text" value="01/27/2012"/>	3	Size	
Date Returned:	Days Overdue:		
<input type="text" value="01/20/2012"/>	0		
Description:			
<input type="text"/>			

Miscellaneous Updates and Fixes

- The NFIRS auto number has been changed so that the year will no longer be added as a prefix. Instead, at the beginning of every year, the number will start over at 0000001. This change was made to accommodate services that enter more than 99,999 runs in a year. (66127)
- An issue has been resolved where incorrect validation errors were being thrown on an NFIRS run when selecting incident type "611." (66690)
- If a plus one code is being imported via an NFIRS import, the parent code without the plus one suffix is also imported. (65597)
- The *Add Attendee* and *Add Multiple Attendees* buttons in the *Activities* section will not cause an error in IE9. (66897)
- The PDF report available within the *Training* module will display the title of the training on each page of the report. (66046)
- The typo in Property Use for code 629-Laboratory has been corrected. (65297)
- The *Fire* tab within the EMS run form will now allow for updates to times. Previously, it would overwrite fire information with the times from the EMS incident when attempting to save and update the "Fire" tab. (62635)
- The issue where creating a new NFIRS run from CAD would sometimes result in a controlled time of 1/1/1900 has been fixed. **(Optional Component)** (65254)
- The issue where the apparatus selection field on the *Apparatus/Personnel* module of the NFIRS run form would sometimes show duplicate apparatus IDs after switching from one tab to another has been fixed. (66088)
- The *Run History* page will correctly display District information if the column is selected. (65172)
- The warnings for property loss will not take off any validation points. (67209)
- The issue where the rank of the member making a report was sometimes incorrect has been addressed. (66278)
- Hydrant GPM calculations have been fixed. (65163)
- The issue with Special Study Questions not displaying warnings has been fixed. (66414)

Reporting Enhancements

General

- The following fields are now available to report on in the "Staff" data set in Report Writer 2.0:
 - The certification ID from the Additional EMS Certifications section; the label of the field is "EMS Cert ID." (67017)
 - Payroll ID (64724)
 - Fire Cert Deleted (64741)
 - Title (65669)
 - User ID (65636)

EMS Reports

- The following updates have been made to the QA/QI Report:
 - Search filters for *EKG Event* and *EKG Ectopy* have been added. (66583)
 - The option to page break after each incident record has been added. (66641)
- A new standard/canned report is available called "Hospital QA/QI Report," which is the hospital version of the very popular "QA/QI Report." It will be useful for hospital folks to filter and see results by the hospitals they have access rights to. (66601)
- The following fields are now available to report on in the "Incident" data set in Report Writer 2.0:
 - AMA Type (65598)
 - Base Hospital Contacted (63141)
 - Base Hospital Contacted Date/Time (63141)
 - Base Physician # (63141)
 - CMS Service Level (64767)
 - Depart Bedside Date/Time (65637)
 - EMS Agency ID (64769)
 - EMS Cert Level Deleted (65597)
 - Exterior Damage (65598)
 - Facility Diverted From Name (65598)
 - Facility Notified By (65598)
 - Incident Facility Code (65646)
 - Level of Service Provided (63141)
 - Medication Date/Time Administered (65721)
 - MCN on Duty # (63141)
 - Medically Necessary Questions (65639)
 - Method of securing ETT (65598)
 - Motor Vehicle Type (65598)
 - Other Services At Scene (64744)
 - Potential Registry Candidate has been fixed to show description instead of the code (65732)
 - Procedure Location. (65598)
 - Speciality Team Notified (65598)

- Specific Items Refused (65598)
 - Stemi 12 Lead Transmitted (65598)
 - Turn-Out Time Delay (64834)
 - Unified Incident ID (65668)
 - Unit Arrived Scene - Unit Left Scene (65991)
- The *Last Oral Intake Date and Time* field is now being stored in a different database table. Any users who are currently using the older version of Report Writer and have built ad hoc reports using this field would need to re-build their ad hoc reports using the new table. Please contact ImageTrend support if you have any questions. (65570)
 - The following fields have been added to the *Incident* analytics cube **(Optional Component)** (66658):
 - Crew Member Name
 - Shift
 - Stemi Probable
 - A new data set for Critical Care is available in Report Writer 2.0. **(Optional Component)** (65718)
 - The following reports will now correctly display results even if a staff member's certification ID has been updated: (66919)
 - Procedure Competency Report
 - Total EMS & Fire Calls by Staff Report
 - The issue where the Ambulance Run Data report was showing negative values when the patient's race was set as "Unknown" has been fixed. (64751)
 - All of the standard reports have been fixed to allow for filtering by the *Call Sign* search filter. (64002)
 - The Patient Age field in the *Incident* data set in Report Writer 2.0 will now allow the use of mathematical operators. (66682)
 - The *Not* performed filter of the Procedure Competency report has been fixed to display the list of people who did not perform the selected list of procedure(s). (66602)

Fire Reports

- Several fire standard/canned reports have been corrected to ensure that they are displaying accurate information.
- The issue where the incident type does not display on some of the incidents on the NFIRS QA/QI report has been fixed. (66762)
- The issue where the NFIRS Run Data report was displaying duplicates in the Incident False Alarms By Address sub-report has been fixed. (67168)
- A new data set for JFSI Walk-In/Referral is available in Report Writer 2.0. **(Optional Component)** (66669)
- The following fields are now available to report on in the NFIRS Reports data set in Report Writer 2.0:
 - Cause of Ignition (65720)
 - Factors Contributing to Ignition (64736)
 - Human factors contributing to Ignition (65720)
 - Personnel Fire Actions Taken has been fixed (66074)
 - The time spent filter for the “Detailed Payroll Report” has been fixed. (66015)



Field Bridge Enhancements

ImageTrend is constantly committed to enhancing our product by adding new features to improve user friendliness and to adhere to our goal of providing up-to-the-minute technology for the EMS community.

Transfer Functionality Enhancements

- The transfer window will sort units to the top of the list when the selected service's dispatch database has a CAD incident record with the same incident number and response number (call number) as the incident being transferred. (64418)

Administrative Setup

- A new Field Bridge setting has been added to toggle on/off notifications on the Field Bridge about new messages in the inbox on the Service Bridge. (67172, 22992)
- A new setting called *Add Current Crew From Dashboard* is available to toggle on/off within the *Transfer Incident Options* section. (67174, 66157)
- A third option called *User Option* is now available for the *Auto-create NFIRS run upon FB post* setting. This will give the user a checkbox when posting the incident from Field Bridge to indicate whether or not an NFIRS call will be created. (67050, 61511)
- New Field Bridge settings have been added relating to CAD and Transfers:
 - CAD Button on Dashboard (**Optional Component**) (66635, 66633)
 - CAD Button on Incident Window (**Optional Component**) (66635, 66633)
 - Transfer Button on Dashboard (**Optional Component**) (66635, 66633)
 - Transfer Button/DropDown on Incident Window (**Optional Component**) (66635, 66633)
- The EKG Monitor Setup within *Manage Field Bridge Options* has been fixed to ensure that information is saved. (66386)
- The issue with the Field Bridge Power Tool Setup for "Central Line locations/sites" not working correctly has been resolved. (65437)

Validation Enhancements and Fixes

- New modifiers are now available when building validation rule comparison:
 - Count of Where List Contains (66982)
 - Total Count of Where List Contains (66982)
- The validation engine is now able to distinguish between a single checkbox and a checkbox list. (66273)
- The issue where signature grids were not validating when saving a signature has been addressed. (67354)
- Provider actions records will be flagged red if something is invalid in the grid. (64571)
- When using the non-interactive flash assessment, the option for jumping to the validation issue will now go to the control instead of the interactive flash assessment. (66126)

EKG Monitor Enhancements and Updates

- General
 - The EKG import window is now non-modal again. It can now be minimized during a data transfer so that the crew can continue working on their run form. (55035)
 - Invasive Blood Pressure can now be imported for all 3 monitor types. (37994)
- Physio-Control
 - Carbon Monoxide can be imported from Physio-Control monitors. (64797)
 - Shock Delivered event can now be imported from the monitor. (66306)
 - Field Bridge is now compatible with Code-Stat 9.0. Updating to Field Bridge 5.2 should still work with Code-Stat 8.0; however, it is recommended to update to 9.0. Code-Stat 9.0 can be downloaded from the EDS downloads page. (61137)
 - Temperature vitals can now be imported from the monitor. (53658)
- Phillips
 - The code marker for "Other" is associated with the "Mark" event. As of 5.1, if the "Mark" event is selected in the Philips Vitals Filter, an EKG record will be created. Now in 5.2, if the "Mark" event is not selected, the "Other" event will act as a code marker and select the procedure of "Other." (66256)
 - Temperature vitals can now be imported from the monitor. (53658)
- ZOLL
 - Carbon Monoxide can be imported from ZOLL monitors. (64797)
 - Field Bridge is now compatible with RescueNet Code Review. Updating to Field Bridge 5.2 should still work with CodeReview 5.20; however it is recommended that you update to 5.21. Code Review 5.21 can be downloaded from the EDS downloads page. (66227)
 - The "Recorder" event can now be imported from the monitor. (64617)

Miscellaneous Updates and Fixes

- The *Repeat* button is available in the Provider Actions grid. (66556)
- The issue where switching templates was causing event visibility to not work has been addressed. (67380)
- The issue where the new IV Powertool was ignoring the logic to filter by certification level in certain cases has been resolved. (66990)
- The issue where the manual updater link on auto-update screen was not linking to the appropriate version has been addressed. (65954)
- The issue where the tab with the non-interactive assessment grids would not allow the incident to be closed from that tab has been resolved. (65888)
- The issue where switching templates may cause focus to go to a different incident window has been resolved. (66524)
- Max values have been implemented around the integer fields in the .NET vitals Powertool. (64804)
- The PQRST Narrative size has been increased from 70 to 255 within the new PQRST Power Tool. (10553)
- The issue where a service defined question that was marked as required and got deactivated would prevent a user from posting from Field Bridge has been addressed. (64636)
- The Repeat Patient feature now has auto-suggest functionality once the user starts typing in the last name.
 **NOTE:** The auto-suggest drop down menu and the Repeat Patient button will only appear if the Repeat Patient option is turned on for your service. (20901)