

*September*

Prolog Converge 9.93  
Release Notes

**2015**



## Release Notes for Prolog Converge 9.93

Build Number 9.93.0216

Please read this document for important information on this release.

For the latest information about Meridian Systems software, see our website at <http://www.meridiansystems.com>.

### What's New

In response to our customer's requests, the following new features have been added:

### Prolog Converge Web Client

#### Trimble Connect Files

Trimble Connect has been upgraded to use Trimble Identity (TID) credentials. Because Prolog Converge does not use TID, you can use your API access key or your Trimble Connect password as the password for accessing Trimble Connect files. (P 82607)

#### Existing Trimble Connect users

If you created a Trimble Connect account before the upgrade, do one of the following:

- Use the API access key.
- Reset your previous Trimble Connect password.

#### New Trimble Connect users

If you created a Trimble Connect account after the upgrade, do one of the following:

- Use the API access key.
- Create a Trimble Connect password.

#### NOTE:

- If Prolog Converge is configured to not cache your Trimble Connect credentials (so you may need to enter your credentials every time), you may want to use the Trimble Connect password.
- If your Prolog Converge email address and password match your Trimble Connect credentials, you are automatically logged in to Trimble Connect, and you do not have to authenticate your credentials.

For more information on Trimble Connect, see the Prolog Converge Web Client User Guide (Records > Trimble Connect Workflow).

#### To find your API access key

1. In Trimble Connect, click your profile picture > **Profile**, and scroll down to the **API Access Key** section.



2. If there is no access key, click **Generate**.
3. Copy the API access key.



When you enter your Trimble Connect credentials in Prolog Converge, you can paste the API access key in the **Password** field.

**IMPORTANT:** Do not click **Update** after you use the API access key with Prolog Converge because the old one will no longer work.

### To reset or create your Trimble Connect password

- On the [Forgot your password](#) page, enter the email address used to log in to Trimble Connect, and then follow the instructions in the "Reset your password" email.

### User Creation and Password Changes

Prolog Manager now has a setting that will lock out the ability to create or edit a user's login credentials (User name and password). This enables custom solutions to be built for organizations that could enable Prolog to integrate with Active Directory, LDAP, or other user management standards. (P 81387)

If this setting is enabled, Prolog Converge is affected:

- In the **Administration** area, the  (Add User) button and the **Change** button for the password are unavailable.
- In the View menu, the **Change Password** command is removed from the **Administration** module.

### File Management System

- The entire File Management System has been re-written to HTML5 for better usability and performance. Silverlight or Flash is no longer required to run FMS. (TFS 99001)
- Improved the performance of loading folders in the File Management System. Tests support over 30,000 folders and subfolders. (TFS 107145)
- Improved functionality within the updated File Management System by removing a setting that forced emulation of IE9 for all IE browsers. (TFS 107145)

### Locked Records

There is now a new ability to prevent deletion of records by simply locking that record. (P 80767)

### Closed Potential Change Orders (PCO)

When linking a PCO to a Change Order Request, closed PCOs no longer appear in the Potential CO Search list. Only 'Active' PCOs are available to be linked to the COR. (P 81059)

### Files Column in the Daily Work Journal

In Daily Work Journal records, you can link and view files on the Manpower/Labor and Equipment tabs. (P 81037)

Std Rate	1.5 Rate	Double Rate	Notes	Files	Delete?
23.78	35.67	47.56		1	<input type="checkbox"/>

### Files Column in the Material Package

In the Material Package, there is now a 'Files' column showing the number of files linked to each of the Material records in this Material Package. If there are several Material records, each with one or more linked files, there is now an option to "Get Files" that will download them all to a single zipped file. (P 81060)

Creating Material Package

Package ID: 1    Package Type: Rental    Description: [Redacted]

General | Detailed Information | Material Package Checklists | Files (0) | Workflow | Links

New Copy Add... Insert... Edit... Delete Down Up Get Files

QA/QC - Comments	Building Operation - Actual Date	Building Operation - Planned Date	Building Operation - Updated By	Building Operation - Comments	Files	Delete?
					1	<input type="checkbox"/>

## List Views

- Dynamic Form nomenclature is now supported in List Captions. It's no longer necessary to create duplicate Converge views in order to get the correct nomenclature to be displayed for the set of users that are currently using them. A keyword will now be recognized in the list view and will be replaced at runtime with the form nomenclature for the project or database the user is connected to. For example, instead of "My Outstanding RFIs", using "My Outstanding [[TableNomenclature]]s" would produce "My Outstanding SORs" if the nomenclature for RFI in the current project was SOR. (TFS 106955)
- Views will now run even if one or more columns don't exist in the source database (which is fairly common for User-Defined Fields that may be specific to certain databases) and for columns that a user may not have access to (in which case the column will be ignored). This makes it easier to create general Converge views that can be used across all projects and all users. (TFS 106956)

## Budget Code Search Screen

To help you select the correct budget code for Contracts, POs, and PCOs, the following columns were added to the Budget Code Search window: (P 81038)

- Uncommitted Cost
- Committed Cost
- Projected Cost

Budget Search

Group 1    Group 2    Group 3    Group 4    Group 5    Group 6

[Dropdowns] [Search Icon]

Original Budget    Projected Budget    **Committed Cost**    **Uncommitted Cost**    **Projected Cost**

## Request for Information

You can now create and save a new RFI without giving it an RFI number when Auto-Numbering is turned off for RFIs. This option provides, for example, the ability for a subcontractor to create an RFI (maybe providing their Author RFI #, but NOT a project RFI #). When the general contractor (GC) is automatically notified that an RFI has been created, the RFI can be reviewed. If deemed appropriate, the GC can assign an RFI # and forward it to the Architect, thus ensuring that the architect receives RFIs with proper number sequencing. The GC may also decide to answer the RFI directly, or reject it, in which case they may return it back to the subcontractor with only the Author RFI#. (P 82145)

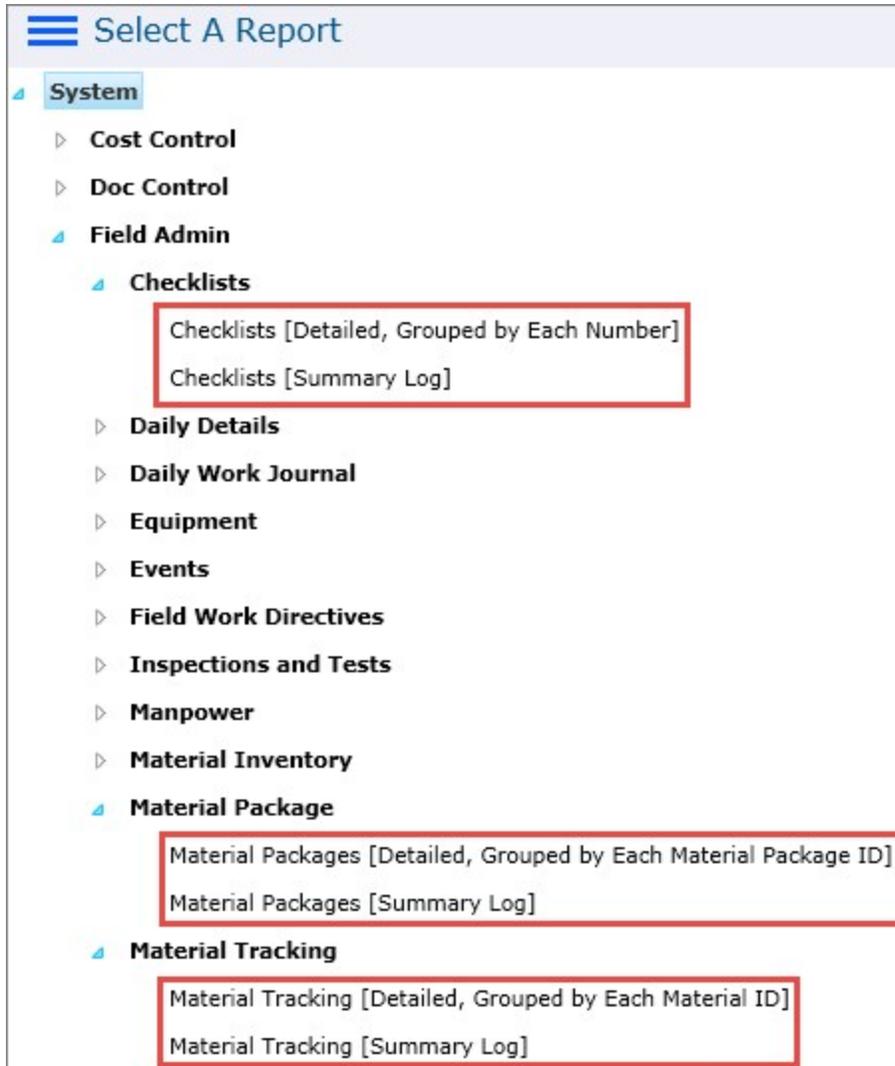
## File Management System

As emails are captured in Prolog's File Management System, they are consolidated into a single folder instead of into individual folders that corresponded to the sender of each email. This helps reduce the number of subfolders and makes emails easier to find in the File Management System. (P 82144)

## Reports

The following system reports were added:

- Checklists (Detailed, Grouped by Each Number)
- Checklists (Summary Log)
- Material Packages (Detailed, Grouped by Each Material Package ID)
- Material Packages (Summary Log)
- Material Tracking (Detailed, Grouped by Each Material ID)
- Material Tracking (Summary Log)



## Prolog Web Services

The following web service methods were added for creating folders in File Management Service. This expands the capabilities for creating custom integrations with other File/Document Management Systems (e.g., Box, Dropbox, SharePoint, etc.) (P 81575)

- FileService.RenameFolder - renames an existing FMS folder
- FileService.DeleteFolder - deletes an existing FMS folder
- FileService.CreateFolder - creates a new FMS folder

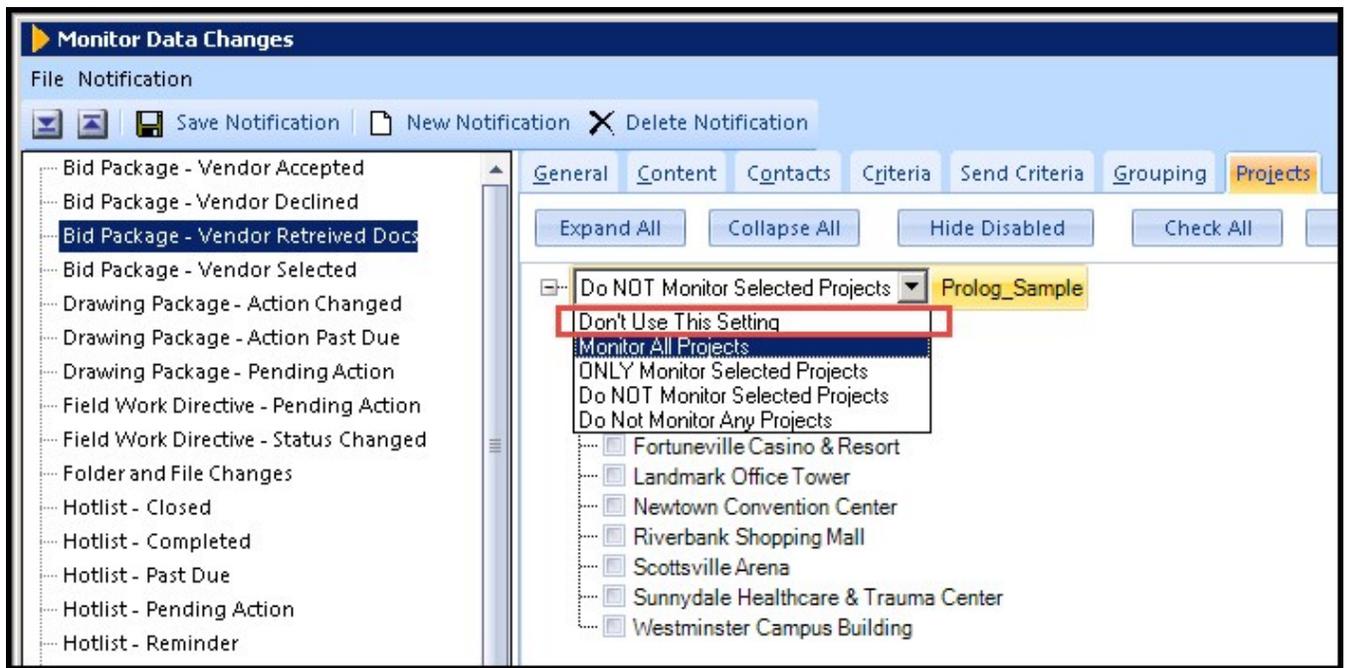
## Prolog Converge Admin Tool

### Email Processing

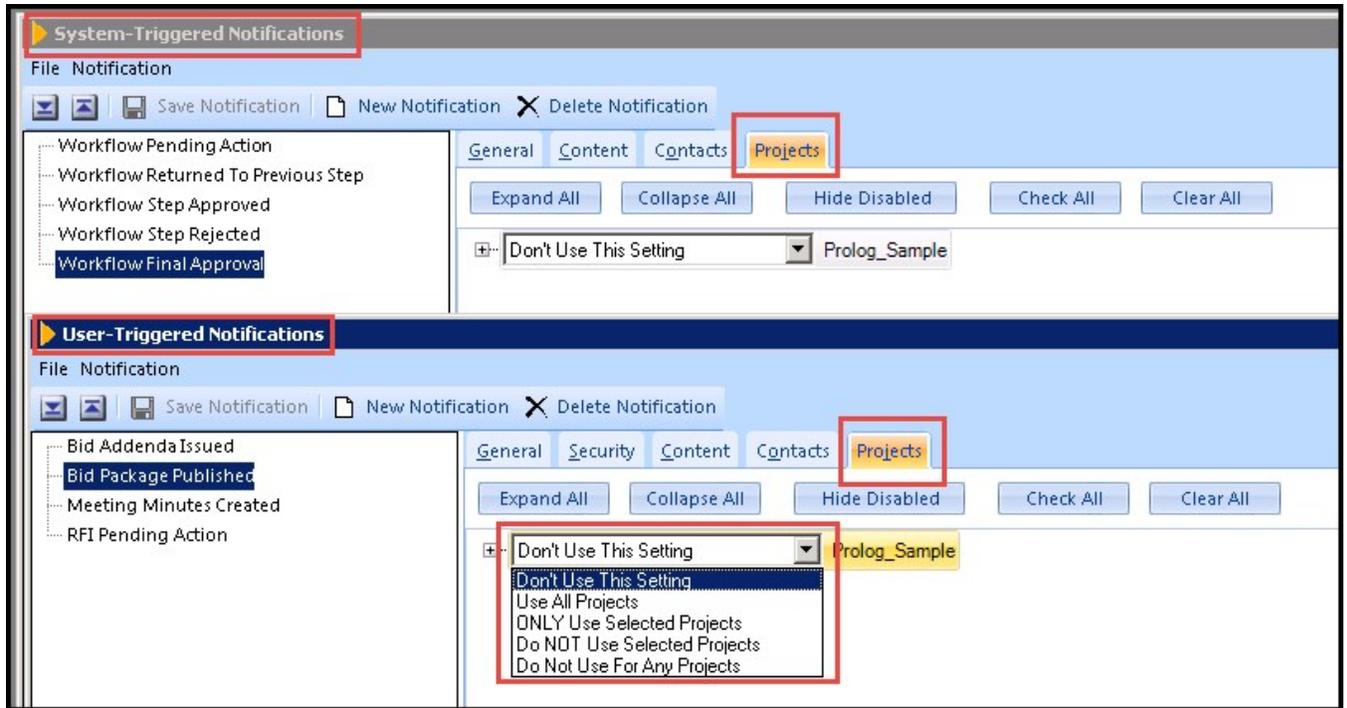
For customers that use Prolog's Email Capture feature (either with Form Processing or without), an email response is now generated and sent back to the initiating user telling them if there were any problems receiving the email (or processing the form). Previously this information was only available by looking into the Event Log (which was an Admin-only function). (TFS 106957)

### Notifications

When defining Notifications and Lists in Prolog Converge Admin, the options available on the Project tab have modified to allow you to indicate whether an item is never to be used in any project in that database. (TFS 106954 / P 76034)



The ability to specify the databases and projects for a User-Triggered and System-Triggered (also known as "Workflow-Triggered) Notifications has been added. This functionality already existed for Data-Monitored Notifications. (TFS 106953)



## New Settings in Config Files for Trace Files

The following optional entries are now available in the config files (in the CommonConfiguration area). These entries will enable you to set a maximum file size and total number of logs for the server monitor and business layer trace files. (TFS 106949)

```
<!-- The maximum size of the trace file in MB. The default is 20. -->
```

```
<add key="FileTracing.MaxLengthMB" value="20"/>
```

```
<!-- The maximum number of historical trace files to keep. The default is 4, the maximum is 100. -->
```

```
<add key="FileTracing.MaxFiles" value="4"/>
```

The updated config files include:

- ...//Business Layer/web.config
- ...//Mobile Service/web.config
- ...//Servers/ServerMonitor.exe.config
- ...//Web Client/web.config
- ...//Web Services/web.config

## Resolved Issues in Prolog Converge 9.93

The following issues have been resolved:

Number	Feature	Description
79613	Web Services	Modified Prolog's Web Services API to allow a blank character as a Budget Code separator.
80686	Document Management System	Fixed an issue that occurred when reports were generated from a record with attached files. Sometimes the file name was placed in the middle of the page instead of at the top.
80726	Notifications	Fixed the "Drawing Package - Action Changed" notification that was duplicating the body of the email for each Package Reviewer listed on the "Package Reviewers" tab.  <b>ATTN:</b> Prolog Converge Administrators who have modified the C1 report associated with this notification. It is recommended that you export your customer C1 report prior to upgrading. After the upgrade, re-import the custom C1 report. Then, change the Tag on your custom C1 report from 'dpr.DwgPackageID = [DwgPackageID]' to 'dpr.DwgPack-RoutingID = [DwgPackRoutingID]'
80907	Document Management System	Fixed a rare issue where it was not possible to delete a folder that had meta data for a file, but the file itself no longer existed.
80978	Admin Tool	It's now possible in Converge to create Projects with the same name without generating an error.
81230	Project Details	Added a new view under the Project Overview Section that provides access to the Project Details without having to leave the project and go to the Portfolio area.
81330	Prolog Converge	Resolved an issue where user-triggered notifications were not sent with the correct recipients, project names, and numbers. This occurred when the ServerMonitor was restarted before all notifications could be processed.
81352	Meeting Minutes	In Chrome, the English (Australia) language setting no longer causes display problems in Meeting Minute records. The grid and all tabs are now displayed.
81382	Notifications	Fixed an OutOfMemoryException issue that caused the Server Monitor to crash several times a day.

Number	Feature	Description
81394	Potential Change Orders	Fixed an issue ("The budget record 0 could not be found in the database") that occurred when the TPO setting for "Set Budget Code Required PCO" was set to 'Yes', and a default budget code was defined for PCO items in a database that was upgraded from 9.8 to 9.9.
81431	Document Management	In some instances, linking files to multiple Projects in succession during a single Prolog session (e.g. link FileA to the Project1; link FileB to the Project2; link FileC to the Project3, etc.) could create an issue of the file not being successfully linked in 1 or more of the projects. This has been fixed.
81499	User Interface	Resolved a Javascript error that appeared when clicking on a breadcrumb in IE 11.
81508	Document Management System	Fixed an issue in Prolog Converge 9.91 for SharePoint DMS integration files. An error no longer occurs when the Links tab is clicked in the Files Properties dialog.
81509	Document Management System	In Prolog Converge 9.91, "Copy File Link" is now supported when SharePoint DMS integration is enabled.
81554	Create Project	The default template file, 807780.tpl, was modified to enable a Lookup to be imported even if some of the attributes for that Lookup had 'zero length' ("Allow Zero Length" was set to True for the OldValue field in the tbl_AttrLogs table). Prior to this fix, importing Archives would leave the Lookups blank after import (generating "Error[-2147220503]").
81605	Reports	The Report Designer in Converge has been modified to recognize the filters and sort orders that are built into a Crystal Report.
81671	Daily Details	When Internet Explorer 11, Chrome, or Firefox uses the UK date format, the values now appear in the time field of the Daily Details records.
81841	Document Management System	Fixed an issue where the Document Management System failed to open when the language in Chrome was set to English (United Kingdom).
81957	BCF Viewer	Resolved a Silverlight compatibility issue that prevented BCFzip files from opening properly.
81981	Admin tool	In certain situations, when switching to a view that had the 'Is Template' option enabled (in Prolog Converge Admin tool > Views), the user could not log back in to Prolog Converge. This issue has been resolved.
82061	Workflow	Fixed a Javascript error that appeared when viewing 'Visual Workflow' in Firefox.
82062	Workflow	Fixed a Javascript error that appeared when doing a 'Record Link' in Fire-

Number	Feature	Description
		fox.
82093	DCR	In rare instances, it could take 10 minutes to save a Daily Field Report. This has been fixed.
82100	Company Setup	Fixed a problem when viewing companies by classification, e.g. WBE, MBE, DBE, etc.
82142	Views	Fixed a minor issue with the display of the "Companies by Classification" view.
82144	User Interface	As emails are captured in Prolog's File Management System, they are consolidated into a single folder instead of into individual folders that corresponded to the sender of each email. This helps reduce the number of subfolders and makes emails easier to find in the File Management System.
82158 / 82220	Reports	Fixed a minor issue with a few Meeting Minute Reports where the report title that was displayed on the screen showed hash symbols &#39;. This issue did not affect actual report output in any way.
82325	Reports	Custom reports now run properly in Prolog Converge.
82519	Views	<p>Changed the default project view to "Project Summary" instead of "Project Dashboard" to improve overall performance and usability when logging into a project.</p> <p>To change your default view, do the following:</p> <ol style="list-style-type: none"> <li>1. Log in to Prolog Converge Admin.</li> <li>2. Open Web &gt; Control.</li> <li>2. For 'Full Access Users', change the 'Default Project View'.</li> </ol> <p>Example: To set the Project Dashboard as your default view, select 'Web Project Dashboard (Project Dashboard)'.</p>

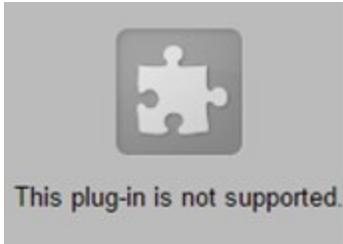
Number	Feature	Description
82827	Document Management System	Resolved an issue where users could not upload documents to FMS using IE 10.
106946 (TFS)	Workflow	The workflow approval process was not working properly.

## Known Issues

### Google Chrome 45 (and higher)

On September 1st, Google released version 45 of their Chrome browser to Windows platforms. Chrome 45 entirely removed support for plugins like Java, Silverlight, and others (the “Enable NPAPI flag” no longer exists).

Because Prolog Converge has several components that were built on Silverlight technology, these components will no longer work with Chrome 45 or later. When you attempt to run these Converge components in Chrome, you may now see errors saying “This plug-in is not supported.”



The following Converge components are based on Silverlight technology and will not work with Chrome 45 or later:

- Batch Update Wizard
- Word Merge
- Visual Workflow View (note, workflow itself still functions as expected, and Workflows can still be created/viewed/modified in the Grid View)
- BCF Viewer

To use these Silverlight-based components, you must use a supported browser, such as Internet Explorer or Mozilla Firefox.

## Microsoft Edge

Due to some unresolved compatibility issues, the Microsoft Edge browser is not yet supported. Trimble is working on providing support for Microsoft Edge in an upcoming release, but in the meantime, all other supported browsers (IE, Chrome, Firefox) can be used on a Windows 10 machine.

## Install

Prolog Converge failed to install properly in a Windows 2003 64-bit machine. To work around this issue, set IIS 6 to enable 32-bit applications. (74725)

**Important:** This will affect any 64-bit web application currently installed on the machine.

To set IIS to enable 32-bit applications

1. Open a command prompt as an Administrative user.
2. Locate the `%systemdrive%\inetpub\AdminScripts` folder (usually `C:\inetpub\AdminScripts`)
3. Run the command `cscript.exe adsutil.vbs`.
4. Set `W3SVC/AppPools/Enable32BitAppOnWin64` to 'true'.

For more information, see: <http://www.microsoft.com/technet/prodtechnol/WindowsServer2003/Library/IIS/405f5bb5-87a3-43d2-8138-54b75d-b73aa1.mspx?mfr=true>

## FMS

When subscribing / unsubscribing a folder with an extremely large number of sub folders, it may take several minutes to complete the action.

## Dashboard

### Dashboard Data Source

When defining the Columns of a Dashboard Data Source page type, do not select the following invalid columns: "ok\_xxx", "PExxx", and "UDFData".

### Word Export

You may encounter an error when attempting export your dashboard into a Word document. Exporting to a Word document is only available for sub-reports (drilled-down reports),

## Word Merge

### Editing a Document

When editing a Word Merge document, you may be prompted by Microsoft Silverlight to allow Prolog Converge to access your clipboard. Select the 'Remember my answer' check box and click **Yes**.

### Printing a PDF

When printing a Word Merge PDF using an Adobe PDF print driver, the PDF does not appear with the proper page size. To resolve this, print a PDF using a different PDF driver. (75146)

### Templates

When using a custom template to create a Word merge document, some formatting issues may occur. To resolve them, you must apply the following changes to the template within Prolog Manager:

Formatting Issue	Do this:
The image does not appear in a merged document.	Ensure that the image is in a JPEG format. Then, re-insert the image into the template (Insert > Picture).
The check boxes are missing.	Delete the existing check box and insert it as a symbol. You can increase the size of the check box by selecting it and increasing the font size.
Horizontal lines are missing.	Delete the existing horizontal line and manually insert a sequence of underscores "_" to recreate a line. Do not press ENTER after entering the

Formatting Issue	Do this:
	underscores or Word will automatically create a horizontal line.
The text boxes are missing.	Delete the text box and replace it with a table.
The date format does not appear properly.	Select the date merge field. On the Word Processor menu in Prolog Manager > Format > Format Merge Field. Select either a Long Date or a Short Date.
The address does not appear in the correct order.	Replace the Addresses.DisplayAddress merge field, with the following set of merge fields: {Addresses.Address1} {Addresses.Address2} {Addresses.Address3} {Addresses.City}, {Addresses.State} {Addresses.Zip}

## BCF (BIM Collaboration Format) Viewer

A BCF file cannot be viewed directly from the record to which it is linked. To view the BCF file, locate it in the File Management System (Project Files > View Files) and then click *View*.

## Grids

If an error is encountered while editing a record with a grid, the 'Error' column disappears after expanding the column width and height to show the entire error message. To resolve this issue, click and drag the column to expand the message again.

## Trimble GC/CM Division, Support Services

Trimble GC/CM Division Support Services is committed to offering timely, thorough, and efficient resolutions to your installation and operation issues in accordance with your Trimble Support Contract.

Our Technical staff is available to you during normal service hours of 05:00 to 17:00 PST Monday through Friday, excluding [holidays](#). To receive the best support possible, be sure to review the [Trimble Support Services Handbook](#).

You can contact Trimble GC/CM Division, Support Services by:

- Telephone:
  - US & Canada: (800) 565-9490
  - International: (916) 294-2100
- Fax: (916) 294-2001
- Email: [prologsupport@trimble.com](mailto:prologsupport@trimble.com)
- Internet: <http://support.meridiansystems.com>

The Trimble SupportLink includes a technical knowledge base, answers to frequently asked questions, technical documentation, and a form to submit specific support requests 24 hours a day, 365 days a year.