

e-Builder Enterprise Q3 Release Notes

September 19, 2013



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Table of Contents

ntroduction	3
Product Enhancements	3
Electronic Signatures	3
Document Stamps	4
Risk Management Best Practices	4
Cross-Browser Compatibility	4
Submittals	5
Apply CSI Code Preferences per Project	5
Updated CSI Master Format List	6
Add Items after Package has been Routed	6
Copy User Name Order	6
Download Multiple Documents at Once	6
Option to Automatically Close Approved Submittals	7
Project Name Added to Submittal Settings Page	7
Routing Items within a Submittal Package	7
Show Document Properties on Attached Documents	8
Update Multiple Submittal Item Statuses at Once	8
Visibility of Tooltip Icon	8
Jsability Enhancements	9
Admin Tools:	9
Creating User/Contact	9
Increase/Decrease Line Spacing	9
Remembering Document Destination Folders	9
Restricting View Permissions on Custom Fields	10
Updates to the New User Welcome Message	10
Viewing Report Subscriptions from Central Location	11
Cost:	11
Account Code Free Text	11
Adjustments to Visual Cash Flow Curves	12
Budget Import – Approval Required for Change	12
Dynamic Cost Column – Select Dynamic Commitment Item	13



Net Zero Adjustments	13
Tolerance on Cost Control Violations	13
Documents:	14
Document Folder Permission Updates	14
Drag and Drop Files into e-Builder	15
Inherit Parent Folder Permissions by Default	15
Public File URL	16
Upload Documents through Public Folder	17
Forms:	18
Determine who's Able to Close Form Instances	18
Overwrite Form Type Permissions	18
Updates to Manage Form Type Permissions	19
Home:	19
Hide Calendar on Home Tab	19
Processes:	20
Conditional Statement on Line Item Used	20
Copy Workflow and Layout Name	20
Default Folder Path for Process/Cost Document Attachments	20
Label Change on Finish Step	22
Print Order of Automation Mail Merge	22
Processes/Reports:	22
Robust Formula Creators	22
User Details Reporting – License Types & License Expiration	
e-Builder Mobile Usability Enhancements	24
e-Builder Mobile: Copy Forms and Processes on e-Builder Mobile™	24
e-Ruilder Mohile: Default Folder Path Honored in e-Ruilder Mohile™	24



Introduction

Investing in software requires trust. Trust in the vendor. Trust in the product. Trust in the training.

Recognizing the trust placed upon us, we believe that providing the easiest-to-use and most functionally-rich construction program management software is a must. But, it goes beyond. We must also deliver enterprise-class solutions to meet enterprise-class requirements.

What are enterprise-class solutions? Enterprise-class solutions provide the functionality, technology and security to meet the strictest demands of the largest organizations, yet the ease-of-use necessary for people at all experience levels. Simple to define. Serious business to deliver.

e-Builder has invested millions of hours into developing e-Builder Enterprise™ into the enterprise-class construction program management our clients deserve. The e-Builder Q3 2013 Enhancement Release extends that investment even further.

Product Enhancements

Electronic Signatures

We have added the ability to electronically sign documents to e-Builder Enterprise™. This new feature will help to eliminate the costly printing and cumbersome handling associated with obtaining physical signatures. Hundreds of signatures can be required during a project's lifecycle, such as when a signature is required on a submittal being sent to the Architect, and the cost associated with these transactions can amount to a significant expense.

e-Signatures streamlines the document review and approval process by allowing you to route PDF documents for digital signatures within an existing or new workflow process. Signed documents are then saved in the e-Builder Documents module. Using the third-party digital signature software application, DocuSign, all electronically signed documents will be ISO 27001 certified and legally binding in the United States and in 187 other countries. A DocuSign license is required to use Electronic Signatures.

e-Builder's Electronic Signatures enables secure document review, acceptance, archiving and publishing. More importantly, it retains the integrity of the workflow process by keeping all activity within the system and eliminating the need for hard-copy signatures.

For information and instructions on using e-Signatures, see About Electronic Signatures in the e-Builder Online Help.



Document Stamps

e-Builder Enterprise™ is now equipped with electronic document stamps. Physically stamping documents can be time-consuming and costly, but necessary none-the-less. Document stamps are often needed to physically mark permits, drawings, submittals and payment applications. Without an electronic source to complete these tasks, these documents have to be printed, routed by mail or fax and sent back to the sender.

Now, with e-Builder's Document Stamps feature, system administrators can upload image files to be used as a stamp on any PDF document. After stamps are loaded, permissions can be set for each one. A list of preloaded stamps will appear when a document is opened and users will have the ability to drag and drop stamps onto their files.

For more information and instructions on uploading stamps, see About Document Stamps in the e-Builder Online Help.

Risk Management Best Practices

Unmanaged risk is often the reason projects don't unfold as planned. Risk cannot be eliminated, but it can be minimized through the proper risk management process. A best practice guide for managing risks has been published in the e-Builder Community. When implemented, the process empowers owners to proactively manage risks and significantly improve project outcomes.

The e-Builder Enterprise Risk Management process provides a structured framework for efficiently managing the data, process, analysis and decisions necessary for effective risk management. It allows you to actively manage risk by engaging your best resources to reduce a threat or capitalize on an opportunity.

Cross-Browser Compatibility

e-Builder Enterprise[™] is now cross-browser compatible. This means that all system functionalities will work as expected with the exception of one – viewing and redlining .dwg files is only supported in IE. All other system functionalities will work as expected in:

- Firefox®
- Chrome™
- Safari®
- Internet Explorer® versions 7 10, not including Metro.

This makes e-Builder Enterprise™ browser independent and affords you the convenience of working in your preferred browsers.



Submittals

A well-managed submittals process ensures that the owner receives what they require and minimizes the work involved in submitting and approving the documentation, such as cut sheets, shop drawings, products specs and samples. A poorly managed process creates additional work, delays projects, confuses everyone involved and limits successful project outcomes.

e-Builder Enterprise Submittals is a comprehensive tool enabling owners, general contractors, architects, engineers and others to successfully manage the entire submittals process. Using electronic information routing and reminders, e-Builder Enterprise Submittals ensures prompt responses and mitigates unnecessary delays by tracking which packages are late and who's holding up the process. Owners can use this real-time information to proactively address potential risks. Using e-Builder Enterprise Submittals will strengthen project team member collaboration and eliminate costly project delays.

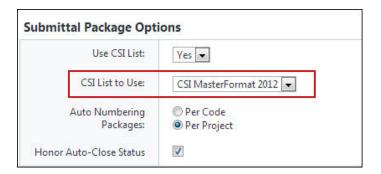
More than 1,000 development hours have been invested into the Q3 enhancements for e-Builder Enterprise Submittals. These enhancements make it easier for everyone working with submittals to do their job. This is especially true for your Architects, Engineers and Contractors. As vital members of your extended construction team, it is important that they can quickly build, share, review and approve submittal packages. With that as our goal, we worked with our clients to identify the enhancements included in the Q3 Enhancement Release.

Apply CSI Code Preferences per Project

Because different Architect/Engineers use different CSI divisions when working on submittal packages, we no longer require that all projects use the same CSI Codes. It is now possible for Administrators to set a CSI Code preference per project. A default account setting can still be configured, but Administrators have the option of changing this setting on the project level. Project preference options are:

- Use CSI List
- CSI List to Use
- Auto Numbering Packages

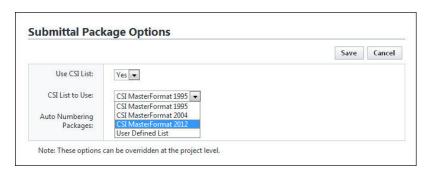
These enhancements enable you to see A/E's preferred list and achieve adoption from outside parties.





Updated CSI Master Format List

The CSI Codes have been updated to include 2010 and 2012, so that our users have the most recent list to work with when selecting submittal package codes and bidding construction codes.



Add Items after Package has been Routed

General Contractors now have the ability to add an item to a package that has already been sent to the Architect/Engineer. It is not uncommon to discover additional submittal items that should have been in a package that has already been routed to the Architect, so this enhancement supports this scenario.

Copy User Name Order

When copying users in a submittal package, user names are now listed in last name, first name order. This new format is consistent with how names are displayed throughout other areas of the product.

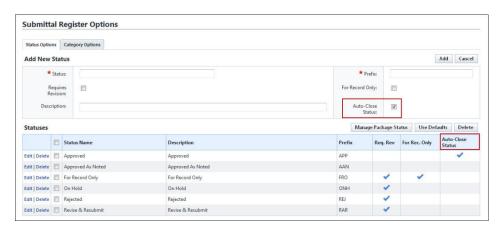
Download Multiple Documents at Once

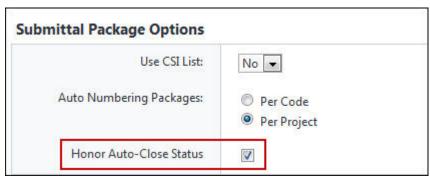
While accessing submittal packages and submittal item attachments, General Contractors, Architect/Engineers and external project participants are now able to select more than one file to download at once. Previously, only a single document could be downloaded at a time, which could be a tedious process when working with a large number of files.



Option to Automatically Close Approved Submittals

A project setting has been added to give Account Administrators the option to automatically close approved submittal items based on the status of the submittal. The lack of auto close previously would force Contractors to perform additional steps in a process that might be deemed complete as of the submittal being approved. Items requiring revision cannot be auto-closed.





Project Name Added to Submittal Settings Page

The project name has been added to the Submittal Settings page to be consistent with other pages in the e-Builder Enterprise™.

Routing Items within a Submittal Package

7

You now have the ability to route individual items within a submittal package. Now, when one or more approved items are included in a submittal package, they can move through the system without waiting for all items within that package to be approved.



Show Document Properties on Attached Documents

The properties of submittal attachments are now visible so that you can determine the folder that attachments are saved in at a glance. If action items need to be taken on a file, this enhancement allows you to see exactly where files are located.

Update Multiple Submittal Item Statuses at Once

Submittal Coordinators can now update the submittal status for more than one item at a time. This offers the opportunity to apply a single comment to all updated submittal items. In cases where there are a large number of items in a single submittal package, it can be frustrating and time-consuming to update each item individually. This enhancement significantly reduces the time it takes to update submittal items.

Visibility of Tooltip Icon

On the Submittal Register, the tooltip icon will only be visible if the Administrator has included a description for the submittal item. Previously, the icon was visible whether there was a tooltip or not. This enhancement offers a clear indication to users whether or not instructions are available for submittal items.



Usability Enhancements

Admin Tools:

Creating User/Contact

When creating a new user, Administrators now have the ability to create a new Contact or add them to an existing contact in the process. In addition, Admins can add an existing user as a contact or create a new user from an existing contact. Previously, creating a new user manually when the person was already a contact introduced the potential for data entry errors. To support this feature, a Contacts tab has been added to the User Details page and lists all contact associations that the user has.

Increase/Decrease Line Spacing

Users now have the ability to determine the amount of space that is shown between fields. The amount of white space between fields was problematic when printing, which resulted in the creation of multiple pages, unnecessarily.

Three different line density options have been added to the Setup > Preferences > Interface Settings page. You can now choose from 1) Relax, 2) Comfortable, and 3) Compact. Relax is the default setting. This enhancement allows you to customize the view of the interface based on personal preference.



Remembering Document Destination Folders

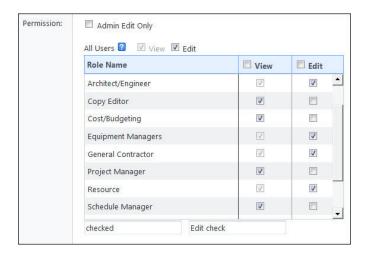
When uploading multiple documents during a single session, the destination folder will now be remembered based on the area of the product the file was uploaded to. For example, the destination folder for process attachments, form attachments or documents attached to cost entities will be remembered independently of each other within a single session. You no longer have to reselect the same folder with each file upload.



10

Restricting View Permissions on Custom Fields

Administrators are now able to restrict the roles that have access to custom fields. This enables you to add custom fields that are sensitive to your organization while withholding them from the view of external project participants. If the restriction is set, it will be honored in Reports, Mail Merges and Imports.



Updates to the New User Welcome Message

The welcome message to new e-Builder users has been revamped to include more detail about the company and increase its aesthetics. These updates will give new users a better overall first impression of e-Builder.

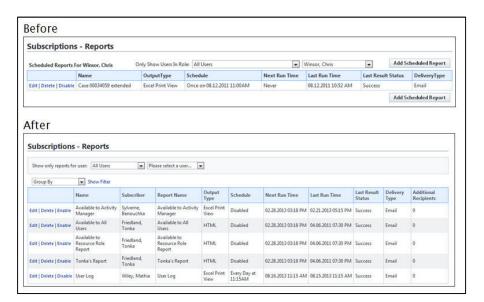




Viewing Report Subscriptions from Central Location

Administrators are now able to see the report subscriptions of all users from a single location. Previously, to determine which team members had report subscriptions and to which report, Administrators would have to access each individual user record from the Subscriptions – Reports page, and this was time consuming.

Admins can now access and manage the report subscriptions for multiple team members from this page. A filter is available and allows you to narrow your results by user and/or report name. From here, Admins can also enable/disable, edit and delete user report subscriptions.

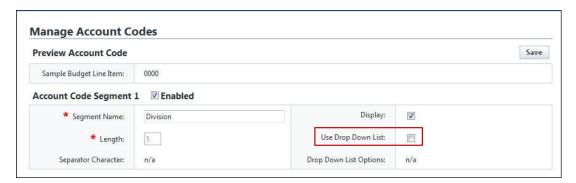


Cost:

11

Account Code Free Text

On the Manage Account Codes page, clearing the check box for 'Use Drop-Down List' will effectively make the account code field available for free-text entry.



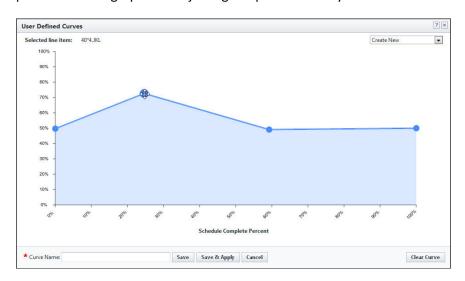


This field is available on any page that requires users to select a line item, such as the Add [Budget] Line Item page.



Adjustments to Visual Cash Flow Curves

Standard cash flow curves are available in e-Builder Enterprise™ (Linear, Bell Curve, Inverse Bell Curve, S Curve and Inverse S Curve), and although these are widely used and accepted, we've extended the flexibility of the cash flow feature by adding the ability to define your own cash flow curves. While updating the cash flow, you can now define the curve you wish to apply by selecting and dragging the points on a line graph and adjusting the points to suit your needs.



For more information on creating custom cash flow curves, see <u>Define Custom Cash Flow Curves</u> in the e-Builder Online Help.

Budget Import - Approval Required for Change

12

While importing a budget template or budget line items, you can also include the 'Approval Required for Change' setting, which will allow you to determine whether or not approval is required for changes to specific line items. This enhancement keeps the budget import current with product developments.



Dynamic Cost Column - Select Dynamic Commitment Item

Dynamic commitment items can now be selected when creating dynamic cost columns. Dynamic commitment items can be used in a number of different ways, including currency conversion. For more information, see Dynamic Cost Management in the e-Builder Online Help.

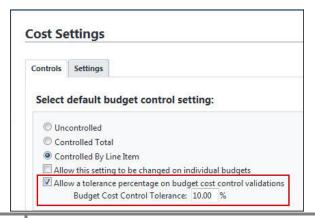
Net Zero Adjustments

An 'Adjusted Amount' field has been added to the Change Details page for Budget and Commitment changes. This field exposes the amount of money that was actually moved in a net-zero change. Previously, there was no way to see the adjusted amount. This field can be pulled into reports, formulas and conditional branch process steps.



Tolerance on Cost Control Violations

Administrators are now able to allow a certain percentage above the budget to be paid out before the cost control violation is triggered. This feature may be necessary if it's an acceptable or common practice to pay on an invoice up to a certain percentage above the line item amount. This will be the default across all projects, but it can be changed per project on the Add/Edit Commitment Page.



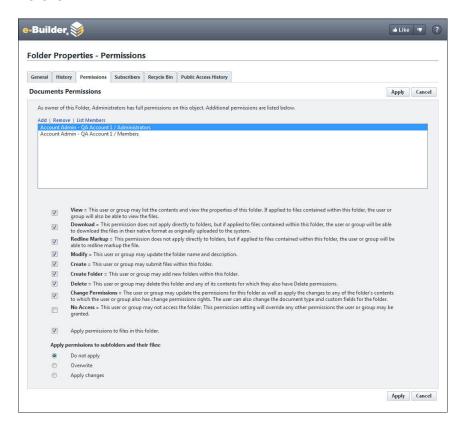


Documents:

Document Folder Permission Updates

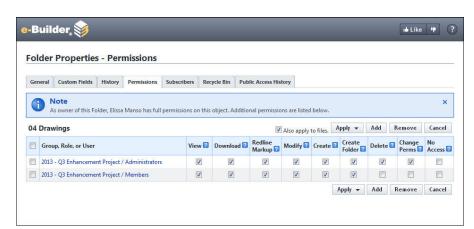
It is now easier to update the folder structure of large projects. The entire folder structure can be exported, and then reimported into e-Builder in order to update project documents. In addition, the look and feel of folder permissions has been updated to make it easier to view and manage these permissions.

Before



After

14





Drag and Drop Files into e-Builder

Note: This feature is only compatible with IE10, Firefox®, Chrome™ and Safari®.

You now have the ability to drag and drop multiple files directly into e-Builder without having to first click the Upload link. This makes uploading files more convenient and less time consuming. Please note that you cannot drag and drop folders; only files. Folders can only be uploaded using IE via the upload link in the multi-file upload tool. This enhancement affects three tasks in particular:

- Uploading Documents in the Documents Module
- Attaching Documents

Uploading Documents in the Documents Module

Drag and drop files directly onto the Content Pane where files are listed.

Attaching Documents

Throughout e-Builder Enterprise™, drag and drop files onto the Attach Documents tab. If a default folder is not configured, you'll be required to select a folder.

Inherit Parent Folder Permissions by Default



Currently, you can specify whether or not folder contents inherit the permissions of the folder. This option is now the default setting.

When moving files between folders, they will automatically inherit the permissions of the destination folder. Previously, this option would have to be selected for each file being moved. This enhancement coincides with the more practical use of this function.

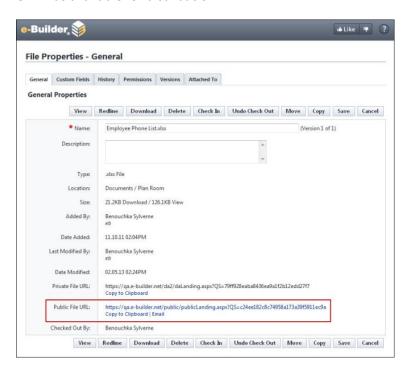
For instructions on moving documents, see Move Documents in the e-Builder Online Help.



Public File URL

16

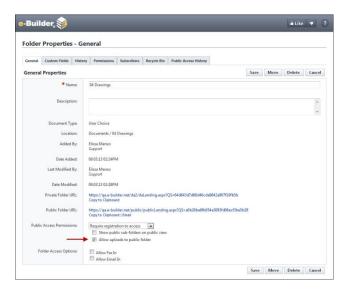
When a folder is enabled as a public folder, the files within the folder now have their own public file URL, which can be sent to recipients so that they can access the file directly. Previously, only the folder URL was available for distribution.





Upload Documents through Public Folder

In the folder properties you can now set the ability to allow uploading of documents through a public folder. This gives external users the ability to collaborate with team members while still restricting access to other areas of e-Builder. If recipients are not already logged in, they will be required to do so before they can upload documents.









Forms:

Determine who's Able to Close Form Instances

People are often changing roles within an organization and consequently, no longer need access to the information they previously did. As the initiator of a form you have full access to that form and are therefore able to close it at any time. A setting has been added to the Form Type Properties page that allows you to determine the parties that have the ability to close form instances. In the event that the form initiator switches roles and no longer needs access to the form instance, this setting allows you to restrict access and grant it to the appropriate parties.

By going to the Form Type properties, Administrator can determine the user or roles that are able to close a form. In the field, 'Who Can Close Form?', administrators can choose from the following:

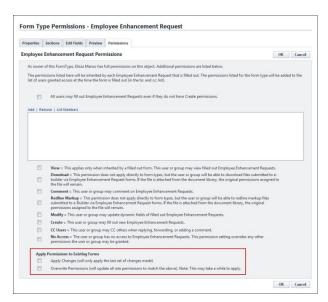
- 1) Form Initiator
- 2) Form Recipient
- 3) Specific Roles



Overwrite Form Type Permissions

18

Administrators now have the ability to overwrite form instance permissions to match the Form Type permissions. An option has been added to the form type permissions to overwrite existing instances. This gives Administrators the ability to reconcile permission inconsistencies and determine exactly which roles have access to different form types.





Updates to Manage Form Type Permissions

Administrators can now give users in the Administrator Role the ability to modify existing form types and create new ones. These users are also able to edit permissions on a form instance. Previously, only account administrators were able to do this.

In addition, the "Manage Forms" label located on the Manage Permissions page has been changed to "Manage Form Instances" to better clarify what this permission allows you to do.

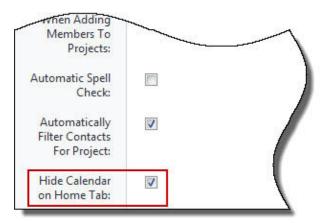


For instructions on adding roles to the Administrative Role, see <u>Add Roles to the Administrator Role</u> in the e-Builder Online Help.

Home:

Hide Calendar on Home Tab

Users can now hide the Calendar so that it does not appear on the Home tab. Doing so increases screen real estate and causes the Home tab to load more quickly. To enable this setting, go to Setup >Interface Settings > 'Hide Calendar on Home Tab' check box.





Processes:

20

Conditional Statement on Line Item Used

A setting has been added to require approval on budget changes. Line items with this setting enabled can be added to conditions in a process.

Copy Workflow and Layout Name

When copying a workflow, the name of the original workflow is also copied over with the word "Copy" appended to the end of it. This allows users to copy workflows and make only minor adjustments to the name if necessary.

Default Folder Path for Process/Cost Document Attachments

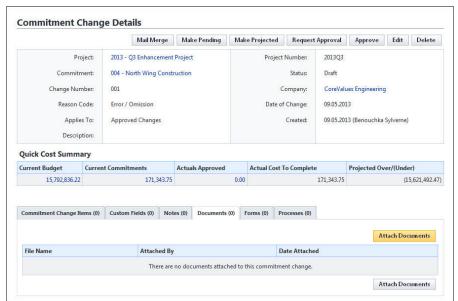
While managing process types, Administrators are now able to set a default folder path for all attached documents. You have the ability to decide whether or not default folders can be changed by team members during upload.



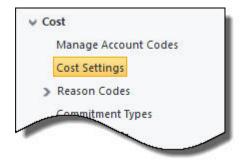
For more information about this settings, please see <u>Process Properties Tab Overview</u> in the e-Builder Online Help.

Document attachments have also be enabled on all Cost entities (Budget, Budget Changes, Commitments, Commitment Changes, and Actual Costs) in the Cost module to give users the ability to store additional data at different points of the fiscal process.





Additionally, the "Cost Control" link in the Administration Tools section has been changed to "Cost Settings," which is a more accurate description of the settings on this page.

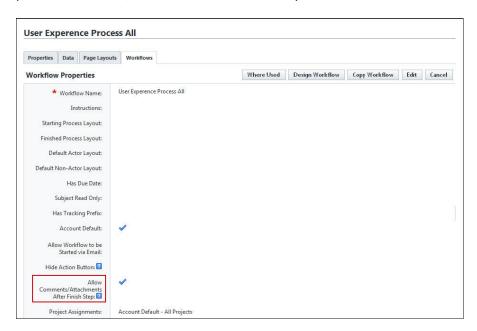


21



Label Change on Finish Step

The field label, 'Allow Comments after Process Finish' has been updated to 'Allow Comments and Attachments after Process Finish.' This setting has always allowed comments and attachments after the process has ended, but the label did not convey this.



Print Order of Automation Mail Merge

You are now able to determine the order of attached files in an automation mail merge step, instead of having the documents display in the order they were attached.

Processes/Reports:

Robust Formula Creators

A number of additional functions have been added to the formula builder to offer greater flexibility in creating data fields that are compatibility with the various third-party accounting systems utilized by our user base. The new functions include:

Processes

- "IFDate()"— allows you to determine the field assignment value based on a value of a date field.
- "Is Null Date" allows you to determine if a date value is null and base the outcome on that value.



- "IsNull String" allows you to determine if a string value is null and base the outcome on that value.
- "MinDate" allows you to determine the minimum date value and determine the outcome based on that value.
- "MinNumber" allows you to determine the minimum value and determine the outcome based on that value.
- "MaxDate" allows you to determine the maximum date value and determine the outcome based on that value.
- "MaxNumber" allows you to determine the maximum value and determine the outcome based on that value.

For more information and instructions on using these functions, see <u>Edit Conditional Branch</u> <u>Page Overview</u> in the e-Builder Online Help.

Reporting

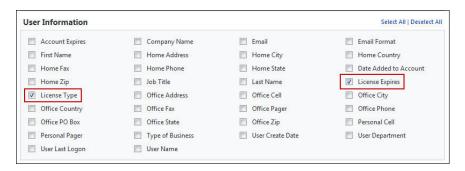
- "IFString()" allows you to determine the values that should be shown.
- "IFNumber()" allows you to enter an integer value and determine the values that should be shown.
- "IFDate()" allows you to enter a date value and determine the values that should be shown.
- "Is NullDate" allows you to determine if a date value is blank and determine the value that should be shown.
- "Is NullString" allows you to determine if a string value is blank and determine the value that should be shown.
- "MinDate" allows you to determine the minimum date value and determine the outcome based on that value.
- "MinNumber" allows you to determine the minimum value and determine the outcome based on that value.
- "MaxDate" allows you to determine the maximum date value and determine the outcome based on that value.
- "MaxNumber" allows you to determine the maximum value and determine the outcome based on that value.

For more information and instructions on using these functions, see <u>Formula Builder Page</u> <u>Overview</u> in the e-Builder Online Help.



User Details Reporting - License Types & License Expiration

Two new fields have been added to the User Details report type. You are now able to report on license types and expiration dates to better manage user licenses.



e-Builder Mobile™ Usability Enhancements

Copy Forms and Processes on e-Builder Mobile™

The ability to copy forms and processes have been enabled on e-Builder Mobile[™]. This helps team members avoid having to enter similar data on a recurring basis when using the mobile app. Copying forms and processes is possible in e-Builder Enterprise, but now users with the proper permissions (*Create* Form type permissions and anyone that can start a particular process type) can also perform this task on the go.

Default Folder Path Honored in e-Builder Mobile™

In e-Builder Enterprise[™], Administrators can now assign a default folder path for file data fields in processes. This default folder setting will also be honored in e-Builder Mobile[™]. If your Administrator has assigned a default folder path or allows users to change the default and select another folder, both settings will be applied in the mobile app.