

BUILDER™ Update History

Versions 3.3.0 through 3.3.12

January 8, 2018

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BUILDER™ 3.3 Update History

This document provides details of all updates made to BUILDER™ Version 3.3 through Version 3.3.12. The updates are listed in reverse order by version number.

IMPORTANT: If you use BuilderRED (BRED) and you are currently using a version number of either BUILDER or BRED that is lower than 3.3.7, you should also read ["BRED Impact of Upgrading from Version 3.3.6" on page 6](#).

BUILDER 3.3.12

- **Session Timeout**

The default period of inactivity that triggers session timeout has been changed from 20 minutes to 10 minutes.

Note: In the Web.session.config file, the system administrator can configure the length of inactive time that triggers session timeout. The default 10-minute setting can be altered by changing "10" in the line <sessionState mode="InProc" cookieless="false" timeout="10" />. DoD system administrators should note that the SMS makes no distinction between admin and non-privileged accounts, and should consult Rules SV-83865r1_rule and SV-83867r1_rule from the Application Security and Development STIG before configuring this value.

- **User Accounts**

1. Changes to user accounts are now saved in audit records.
2. Changes to user accounts now trigger e-mail notifications to administrators.

- **Inspections**

Multiple inspections on the same day are now all used to compute condition indexes

- **FCI**

The formula used to calculate the [Facility Condition Index](#) (FCI) has been changed from that used by the Federal Real Property Council to a formula that produces a value on the 0-100 scale. Using the new formula, a higher number indicates better condition, rather than the reverse as with the previous version of the formula. The change of formula for calculating the FCI took place in Version 3.3.10.

BUILDER 3.3.11

- **Functionality**

1. The Egress Wizard is operational.
2. Functionality calculations now ignore non-numeric values.
3. Only non-null functionality question weights factor into overall assessment scores for certain assessment types.

BUILDER 3.3.10

- **Inventory Tree**

1. Deleting a node on the navigation tree no longer collapses the tree.
2. Organizations added to the inventory tree now appear immediately after being added.
3. Buildings on which Functionality Assessment has been performed can now be deleted (bugfix).

- **Exports to BuilderRED (BRED)**

In previous BUILDER versions, non-image attachments could cause an export with images to fail. Non-image attachments are now filtered out of exports to BuilderRED. These non-image attachments will still be present and visible in BUILDER.

- **Reports**

Multiple Standard Reports can now be run without first closing and reloading the "Standard Reports" popup window.

- **Inspections**

The Estimated CSCI on a new Green+ inspection now matches the inspection CSCI.

- **Cost Books**

Cost books can again be edited at the Component-Section level.

- **Permissions**

Master Planners can again delete Organizations and Sites.

BUILDER 3.3.9

- **Nightly Rollup Enhancements**

Priority of the nightly rollup has been increased, to avoid deadlocks. Also, the speed of rollups has been increased.

- **Scenarios and Work Generation Synchronization**

The start date for Scenarios and work generation has been standardized so that results for the current fiscal year are now identical.

- **SQL Impact database deprecated**

The SQL "Impact" database has been deprecated and can safely be deleted.

BUILDER 3.3.8

- **Deleting Sections**

When a Section is deleted, any corresponding work items are also deleted.

- **Permissions**

Inspectors and Inventorisors no longer have permission to delete a Building.

- **User Checkout**

At the Building screen, Systems at a Glance tab, there is a new column labeled "User Checkout" that lets users know if the System is checked out for BuilderRED use, and if so by whom. (Introduced in Release 3.3.3.)

BUILDER 3.3.7

- **Exports to BRED**

When BUILDER 3.3.7 data is exported to BRED, the exported BRED files can not be accessed by BuilderRED versions previous to BuilderRED 3.3.7. See ["BRED Impact of Upgrading from Version 3.3.6" on page 6](#).

- **Permissions**

Inspection Supervisors no longer have permission to delete Buildings/Facilities.

- **Work Items**

Work items treated as completed in Scenarios are now marked "Budgeted" instead of "Awaiting Funds".

BUILDER 3.3.6

- This release contains bug fixes only.

BUILDER 3.3.5

- **Login Improvement**

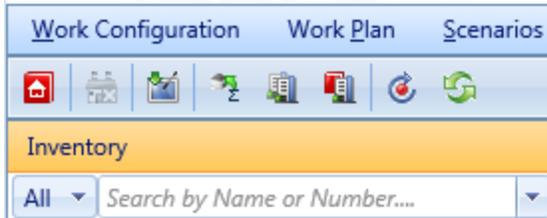
The self-service password reset feature now supports an alternate email for authentication purposes.

- **RSS**

The login page can now display messages via an RSS subscription. Messages allow system administrators to post announcements directly on the login page, for example to notify users about service outages.

- **Permissions**

1. *Inspection Supervisors* can now perform Rapid Inspections.
2. *Work Planners* can now create and run Scenarios.
3. *Master Planners*: A search bar is now available to Master Planners. The search bar offers direct navigation to items in the inventory, condition, and functionality trees. The search bar supports partial word search.



Note: Do NOT press **Return** after typing the search term.

BUILDER 3.3.4

- This release contains bug fixes only.

BUILDER 3.3.2 and 3.3.3

- **Facility Summary Tab Enhancements**

The following enhancements have been made at the Facility Summary tab at the Site and Complex levels of inventory:

1. Users can navigate via hyperlink directly to a facility in the list.
2. The Facility Summary data is now sortable.
3. At the Site level, a column has been added to identify Complex. This makes it easier to identify the locations of facilities within the Site.

BUILDER 3.3.1

- **Login Improvement**

User accounts no longer have a uniqueness requirement for users' first and last names. The User Name must still be unique. For example, there can now be two users named "John Smith" as long as their User Names are different.

BUILDER 3.3.0

- **Functionality Improvements**

1. Functionality Assessment questions allow image attachment.
2. BuilderRED (BRED) now supports functionality assessments.

- **Account Management/Support**

Users can now reset their own passwords when they've been forgotten. The account's email address must be set before this feature can be used.

- **Login Improvement**

Users no longer need to configure their browser's popup blocker settings to exempt BUILDER.

BRED Impact of Upgrading from Version 3.3.6

If you (1) use BuilderRED and also (2) have not yet upgraded to a version of BUILDER higher than 3.3.6, it is important to read the information below. This topic documents the impact of upgrading from BUILDER and BuilderRED (BRED) 3.3.6 on the import and export of BRED files.

If you don't use BuilderRED, the impact described here does not apply.

Note: In this explanatory section, "older" BRED files means BRED files created with BUILDER Versions 3.3.0 through 3.3.6. "Older" versions of BUILDER and BuilderRED means Versions 3.3.0 through 3.3.6.

With the first upgrade of BUILDER from Version 3.3.6 to a more recent version, the underlying software formatting of BRED (BuilderRED) files created by BUILDER Versions 3.3.7 and later will change. You will not be able to use older versions of BuilderRED to work on BRED files created by BUILDER Version 3.3.7 or later. Therefore, you should carefully consider (1) the timing of upgrading from BUILDER and BuilderRED Version 3.3.6, and (2) whether your organization wishes to establish any procedures to minimize confusion about compatibilities. See ["An Approach To Consider" on page 8](#) below for an example of such a procedure.

If there will be a need to work with both pre-upgrade and post-upgrade BRED files, contact your BUILDER support representative before upgrading from BuilderRED Version 3.3.6.

Note: BUILDER Versions 3.3.7 through 3.3.12 will continue to accept import of BRED files created with older versions of BUILDER. Older BRED files you have outstanding can always be imported back into BUILDER.

Upgrade BUILDER First

Best practice is to upgrade BUILDER from Version 3.3.6 *before* you upgrade BuilderRED from Version 3.3.6 to a higher version number. The BuilderRED upgrade may either be done immediately after the BUILDER upgrade, or it may be delayed.

What to Expect

Before Your BuilderRED Upgrade

Before upgrading from BuilderRED 3.3.6, you will be able to work only on BRED files created with BUILDER versions prior to 3.3.7.

If you have not yet upgraded from BuilderRED Version 3.3.6 and have time for some advance planning, see ["An Approach To Consider" on the next page](#) below.

After Your BuilderRED Upgrade

Once you have upgraded from BuilderRED 3.3.6, you will be able to work on BRED files created with BUILDER Version 3.3.7 or later. You will *not* be able to work on older BRED files.

After the upgrade, you will still be able to import older BRED files back into BUILDER. Then you can re-export them from your newer version of BUILDER and work on them.

What Works

1. After your system has been upgraded from BUILDER 3.3.6, you will continue to be able to import outstanding BRED files back into BUILDER, regardless of whether they have been created using a post-3.3.6 version of BUILDER or an older version of BUILDER.
2. After you upgrade from BuilderRED 3.3.6, you will continue to be able to import outstanding BRED files back into BUILDER, regardless of whether they have been created using a post-3.3.6 version of BUILDER or an older version of BUILDER.
3. If you delay upgrading from BuilderRED 3.3.6, you will be able to work directly on your outstanding BRED files with BuilderRED. However, you will not be able to use your BuilderRED to work on BRED files created using BUILDER Version 3.3.7 or later, until you upgrade.

What Doesn't Work

1. **Working on Old with the New Won't Work.** After upgrading from BuilderRED Version 3.3.6, you will not be able to use BuilderRED 3.3.7 or later to continue work on older, outstanding BRED files in . *What to do:* First, import the older BRED file back into your newer, updated version of BUILDER. Then re-export the information to BuilderRED, creating a fresh BRED file.
2. **Working on New with the Old Won't Work, Either.** If, after upgrading BUILDER from Version 3.3.6, you delay upgrading your version of

BuilderRED, you will not be able to use your older version of BuilderRED to work on BRED files generated by BUILDER Version 3.3.7 or later.

An Approach To Consider

If you are comfortable delaying creation of new BRED files for a period of time, you can (a) upgrade BUILDER from Version 3.3.6, but (b) delay upgrading BuilderRED for that period, using it as a transition time for Inspectors and inventory takers to complete their in-progress work on older BRED files using the older version of BuilderRED, and to import them into BUILDER. Any older BRED files not completed during the transition period can be handled as follows: import them into the newer, upgraded version of BUILDER; then, after BuilderRED is upgraded from version 3.3.6, re-export them from the newer version of BUILDER to be worked on in the newer version of BuilderRED.

Facility Condition Index

This topic defines and discusses the BUILDER term "Facility Condition Index". The definition of this term changed starting with BUILDER Version 3.3.10, from the definition used by the Federal Real Property Council to a formula compatible with other BUILDER indexes by producing a value on a 0-100 scale where a higher number indicates better condition.

Note: In ROOFER, "FCI" stands for Flashing Condition Index, not Facility Condition Index.

The Facility Condition Index (FCI) is a financially based index showing the relationship between the cost of deferred M&R work and the Plant Replacement Value (PRV). BUILDER uses the following formula for FCI, which produces a value between 0 and 100. A higher value indicates better condition:

$$FCI = [1 - (\$current\ repair\ needs / \$PRV)] \times 100,$$

where *\$current repair needs* represents the total cost of [current repair needs](#) and \$PRV is the Plant Replacement Value. See the Definition section below for an explanation of what is and is not included in *\$current repair needs*.

IMPORTANT: Some organizations define FCI differently, as [\$cost of all deferred M&R work] / \$PRV, which should yield a result less than or equal to 1.0 if policy dictates that repair costs for an asset must not exceed the asset's replacement value.

Best Practice Recommendation: Regenerating the work plan before calculating the dollar amount of current repair needs will give you the most accurate result.

Definition of *\$current repair needs*

\$current repair needs includes:

- Work that became a requirement in the current fiscal year (work items of the current fiscal year).
- Work that became a requirement in a past fiscal year, but has not yet been performed and is still a requirement.

\$current repair needs does not include:

- Work that is currently funded for completion.
- Work scheduled for future years.

