E-SMS Sandbox 1.10.650 Release Notes

2026-10-27 - Kori McGraw - Comments (0) - E-SMS Release Notes

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E-SMS Version 1.10.650

Key Changes

- **Field Mobility & Productivity** - Introduced native macOS desktop support, direct camera roll photo attachment, and eliminated tablet freezing during high-volume inspection data entry.
- **Workspace Governance & Auditing** - Added a 5-year immutable audit trail for work acceptance decisions, team-based work delegation, and pre-merge Power BI quality control reporting.
- **Offline Synchronization Reliability** - Hardened bi-directional synchronization between field tablets and central servers for components, assets, and photos, backed by plain-language sync diagnostics.
- **Planning & Lifecycle Calculations** - Added site-level assessment templates, “Must Do” flags to protect critical items in capital planning scenarios, and corrected Remaining Service Life (RSL) curves.

E-SMS Web Application Updates

Feature Highlights

- **Default Assessment Templates** - Accelerates assessment creation by pre-populating frequently used inspection templates (such as Direct Rating) based on the selected component class.
- **Site-Level Assessments** - Expands assessment scope by allowing templates and assessments to be created at the Site level.
- **Workspace Power BI Reporting** - Enables embedded Power BI quality control reports for pre-merge data validation.
- **“Must Do” Work Item Designations** - Enables a “must do” checkbox on validated work items that marks high-priority work items as non-deferrable in the planned year.

Workflow & Usability Enhancements

- **Clear Selection Feedback** - Replaces unresponsive blank drop-down menus with clear “No options available” indicators when selectable lists are empty.
- **Uniformat Terminology** - Aligns “Uniformat Description” column naming across Assessment and Component Search pages.

- **Specialized Infrastructure Attributes** - Introduces specialized Component Detail accordions for rail components with a custom responsive layout.

- **Transparent Error Messaging** - Delivers plain-language explanations when a Work Analysis Policy cannot be deleted due to active dependencies or permission restrictions.

- **Ergonomic Assessment Layout** - Re-architects Assessment Detail pages to streamline data entry flow and minimize unnecessary scrolling.

Resolved Bugs & System Reliability

Access and Navigation

- **Deleted/Restricted Records Notice** - Visiting deleted or restricted URLs now gracefully routes to an error message.

- **Document Visibility** - Prevents cross-organization document visibility.

- **Workspace Sustainment Permissions** - Enables sustainment organization permissions in workspaces

Workspaces

- **Workspace Work Item Sites** - Enforces workspace site boundaries so only sites included within the active workspace are selectable during work item creation.

- **Workspace Asset Delete** - Fixes sync errors with the Field App occurring when an asset is deleted within a workspace.

- **Hide Workspaces Queued for Deletion** - Automatically hides workspaces queued for deletion from the Workspace Search page and the Recently Visited list on the Home page.

- **Workspace Column Customization** - Restores table customization column toggles for workspace color-coding indicators.

- **User and Approver Columns** - Fixes sorting, searching, and filtering on workspace user and approver tables.

- **Workspace Configuration Component Type Selector** - Resolves issues adding large batches of component types to workspace configurations.

- **Remove Hard Delete buttons** - Removes non-functional hard-delete controls.

- **Deleted Work Item Images** - Cleans up detached work item images.

- **Workspace Assets** - Eliminates duplicate asset listings across overlapping workspaces

- **Child Components** - Restores ability to create child components when they are valid for the specified component type.

- **Asset Visibility** - Restricts the “Create Workspace” modal asset selector to the active organizational boundary.

Component Inventory & Assessments

- **Missing Assets** - Corrects global domain filter logic so all associated assets reliably populate on initial search screen loads.
- **Create Component Modal** - Updated the “Create Component” modal to make it clear the Component Type field is auto-populated.
- **Add Child Component Disabling** - Corrects button state logic so the "Add Child Component" button is enabled only when valid child types exist.
- **New Group Visibility** - Newly created groups now appear immediately under their parent organization.
- **Group Management Permissions** - Enables group creation capabilities for Site Administrator and Curator roles.
- **Custom Component Cost** - Restores user entered cost override input fields on the Component Detail page.
- **Exact Number Filter** - Improved Asset Search page filtering to allow exact number matching on Asset Number columns.
- **Sum of Points Result Type** - Changed scoring on sum of points assessments from a percentage to a true sum of points (the points earned / the total points possible).

Planning, Work Analysis, and Lifecycle Modeling

- **Project Add Funding Failure** - Resolves issues launching the "Add Funding" modal within Project Detail pages.
- **Not Applicable Option for Defect Assessments** - Introduces a “Not Applicable” option to Impaired Inspection, Appliance, and Rail Crossing responses om Defect Assessments
- **Curator Work Analysis Policy Permissions** - Restores permissions for Curator roles in Work Analysis Policies.
- **Create Work Item Screen Freezes** - Resolves modal freeze when selecting “Create and Navigate to Work Item”
- **Work Analysis Unit Conversion** - Ensures Work Analysis converts costs to match component units of measure.
- **Funding Source Column** - Re-enables column customization toggles for the Funding Source field on work item tables.
- **Dam Assessment Scores** - Corrects calculation formulas that compute aggregate condition index ratings from single-question templates.
- **Create Work Item Button Disabled** - Enables the “Create Work Item” button when all required fields are present in the Create Work Item modal.
- **Limited Funding Errors** - Corrects errors viewing Work Analysis profiles that use limited funding.

- **Work Item Permissions** - Resolves bugs preventing Work Planners and Curators from creating, modifying or deleting work items.

- **RSL Calculations** - Corrects Remaining Service Life (RSL) calculation logic to correctly measure time remaining until terminal condition.

User Interface and General Controls

- **Save User Preferences** - Removes false-positive "unsaved changes" dialog when saving user preferences.

- **Multi-Select** - Restores multiselect and select all controls throughout application.

- **Error Message Formatting** - Removes HTML from error messages.

E-SMS Field Application Updates

Sync Fixes

- **Deleted Assets in Asset Filter** - Ensures assets deleted in the Web App are purged from Field App filters upon down-syncing.

- **Image Sync Failures** - Resolves errors preventing component, child component, asset, assessment, and work item images from syncing between the Web and Field App.

- **Section Details - Copy as New Error** - Fixes constraints causing HTTP 400 Bad Request responses when syncing copied section details.

Application Stability and Crash Prevention

- **Section Detail Comment Crash** - Resolves a crash triggered when tapping to edit comment text fields on iPads.

- **Component Details Scroll Freeze** - Fixes intermittent screen freezing during continuous table scrolling.

- **DCR Overflow Menu Freeze** - Fixes a lockup when tapping the overflow menu on Direct Condition Rating modals.

- **Section Detail and Component Table Crash** - Fixes app crashing when adding new section detail records from Component Detail pages or when adding component records from Asset Detail pages.

Platform, Device Input, and Build Infrastructure

- **Touchpad Scroll** - Resolves trackpad scrolling issues on the Component Search page.

- **iPad Photo Library Access** - Fixes iOS system requests to access to the device photo library.

- **Field App Login Screen** - Adjusts login screen so EAMS authentication links remain visible in landscape orientation.

- **"Enter" Key Fix** - Prevents the “Enter” key from prematurely dismissing Direct Condition Rating modals without saving.
- **Mac Compatibility Issues** - Resolves Qt compatibility issues after upgrades to MacOS Tahoe 26.4.
- **Android Build Fails and Web Calls** - Fixes Android build failures and errors preventing Android clients from reaching DoW servers.
- **Android Keyboard** - Resolves keyboard issues on Android devices.

Form Validation, Display, and Inspection Features

- **Field App Update** - Fixes update check on fresh installs to eliminate false update prompts.
- **Theme Switching** - Resolves dynamic theme-switching glitches that caused mismatched text and table contrasts.
- **Direct Rating Comment Box** - Corrects input text bounds so text no longer overlaps with text box borders.
- **Form Selector Backgrounds** - Restores opaque backgrounds on sorting column headers across selection dialogs.
- **Section Detail Copy Refresh** - Forces refreshing after performing "Copy as New" on Section Detail records.
- **Component Naming Template** - Removes unnecessary brackets from component naming logic.
- **Domain Filtering** - Fixes filtering logic so domain selectors in the side navigation reliably restrict displayed assets and components in search pages.
- **Persistent Image Gallery** - Correctly hides the image gallery after selecting an image from the list.
- **Component Detail Fields** - Restores rendering of missing component specification and classification fields on the mobile details page.
- **Distress Survey Missing Rating & Distress Options** - Restores rating and distress options in Distress Survey forms.