E-SMS Sandbox 1.10.648 Release Notes

2026-10-06 - Kori McGraw - Comments (0) - E-SMS Release Notes

Sandbox Release Date: 10/13/2026

E-SMS Version 1.10.648

E-SMS Field Application Updates

- **Universal Table Customization** - Table column arrangements, widths, and visibility settings now save locally to your device, preserving your personalized workspace between logins.
- **Fast Downsync Processing** - Optimized payload handling during data downloads, substantially reducing synchronization wait times on mobile field devices.
- **Field Asset Sync Assurance** - Fixed an issue with sample location IDs during data upload to ensure assets created in the field immediately appear in the Web Application and companion devices.
- **Component Input Validation** - The Component Number field now enforces strict numeric input validation during creation and editing, preventing data entry discrepancies.
- **Custom Work Item Costing** - Restored the manual cost input entry field when selecting "User Entered" pricing, allowing assessors to input direct project estimates.

E-SMS Web Application Updates

Usability & Operational Enhancements

- **ISR Modernization Cost & Functional Scoring** - Enables asset-level Mission Support Functional Capability (F) scoring, Modernization Cost computations (using UFC 3-701-01 pricing), and Green-Amber-Red (GAR) ratings.
- **Power BI Reporting** - Reports have been moved from their own section in the side navigation to a tab on Organization and Site Detail pages.
- **Component Rollup Date** - Updated component metrics so the "Last Rollup Date" timestamp accurately reflects real-time recalculations following edits to the component details or assessment scoring.
- **Universal Table Customization** - Implemented drag-and-drop column reordering, resizing, and visibility toggling with the ability to save the configurations on Inventory Search and Detail page accordions for later use.
- **Workspace Governance** - Set workspace approvers to "Required" by default to ensure review policies are consistently maintained.

- **Workspace Cleanup Workflow** - Creators who serve as the sole approver on a workspace can now delete it immediately without redundant secondary approval steps.

- **Data Integrity** - Merging a workspace now automatically locks associated assessments to prevent accidental overwrites.

- **Funding Terminology** - The Funding tab in Organization Details was renamed to Budget for better clarity.

- **Forecasting Models** - Calibrated Condition Index (CI) degradation curves and End-of-Service-Life (EOSL) beta-shift adjustments to align with observed field deterioration.

- **Cost & Repair Modeling** - Realigned cost modifier indexes and repair cost variables to maintain parity with BUILDER.

Resolved Bugs & System Reliability

Asset & Component Management

- **Asset Images Refresh** - Fixed client-side caching so asset images update immediately upon upload or deletion without requiring a manual browser refresh.

- **Assessment Date vs. Install Date** - Added validation constraints preventing assessment dates from being recorded prior to a component's specified installation date.

- **Assessment Date vs. Construction Date** - Added validation checks preventing asset-level assessments from occurring earlier than the construction date.

- **Number Selector Component** - Corrected value step-increment handling and boundary evaluation.

- **Section Details Delete Crash** - Resolved a system flaw that caused errors when the delete button was double-clicked on section details.

- **Workspace Component Cost Display** - Resolved an issue where calculated/computed costs failed to display during component creation in workspaces.

- **FAC Column Multi-Select** - Fixed filtering logic to restore multi-select functionality on the FAC column for assets on the Asset, Site, Group, and Workspace search pages.

- **AssetId Column Data Binding** - Corrected behavior on the AssetId table column to prevent display anomalies on Detail pages.

- **Duplicate Component Creation** - Eliminated a form re-submission bug that intermittently generated duplicate component records from a single click.

Assessments & Inspection Forms

- **Image Upload on Assessment Questions** - The upload image button is now greyed out until a user enters or selects an answer to required questions.

- **Read-Only Assessment Image Access** - Corrected permission checks so users with read-only access can view assessment images without needing edit rights.

- **Rail Length-Density Recalculation** - Fixed a bug where length and density calculations failed to automatically rerun when a rail segment selection was changed.

- **Rail Assessment Optional Fields** - Relaxed rigid submission validation to allow users to leave non-mandatory fields blank on rail assessments.

Work Planning & Work Analysis Engine (WAE)

- **WAE Condition Index Adjustment** - Fixed WAE calculation logic so Condition Index (CI) adjustments account for assessments dated prior to the active deterioration profile.

- **WAE Year Metric Inputs** - Removed artificial constraints in WAE that restricted users to only entering minimum and maximum bounds for year metrics.

- **Project Comments** - Resolved a defect preventing project comments from saving and rendering.

- **WAE Policy Creation Spinner Hang** - Fixed an operation failure that caused the interface to hang on a loading spinner during policy creation.

- **Work Results Detail Hyperlinks** - Replaced broken navigation hyperlinks on the Work Results modal with valid routing links.

- **Work Analysis Policy Creation Hang** - Resolved a regression that caused the system to hang when creating a Work Analysis policy.

- **WAE Data Type Casting Exception** - Resolved an invalid cast exception occurring during WAE metric evaluations to prevent execution halts.

Workspaces, Dashboards & Reporting

- **Group Accordion Tab Filters** - Corrected filtering behavior so column filters properly restrict records displayed on the Group Search page.

- **Power BI Reports** - Corrected data query filters and field mappings for sandboxes missing reports.

- **System Summary Dashboard Graph** - Fixed data serialization to restore System Summary rendering on the Asset Search page.

- **Workspace Permissions Error** - Corrected permission errors that allowed Organization Admins to see out of scope workspaces in the Workspace Search page.

- **Workspace Configuration Select-All** - Restored "Select All" functionality within workspace configuration component selection modals.

- **Dark Mode Search Contrast** - Adjusted CSS styling to eliminate unreadable text contrast during search configurations in Dark Mode.

Data Ingestion & Integration

- **Domain ID Validation on Asset API** - Added API validation constraints to reject asset creation requests containing invalid Domain IDs.

- **Concurrent Component Deletion Errors** - Eliminated database deadlocks that caused intermittent HTTP 500 errors during high-volume concurrent component deletions.

- **CSV File Upload Handling** - Fixed upload parsing and validation errors that prevented CSV uploads.

- **Beta Estimation on Early Bad Inspection**s - Corrected beta degradation curve estimation when "approximate install date" is enabled alongside early low condition ratings.