

Release Notes & Version Control

This section provides a complete record of all changes made to the platform, including new features, improvements, internal optimizations, and bug fixes. Each release is documented with its date, scope, and technical details to ensure full traceability of development and transparency in the system's evolution.

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Version 4.4.0 - Release Date: 05/15/2026

New Features:

1. **Cryptographic Random Generator (SOC 2):** Implementation of a Cryptographically Secure Pseudorandom Number Generator (CSPRNG) to guarantee strict SOC 2 compliance for Random Pool selections.
2. **Enhanced Dashboard Management:** Added a new section to display services with pending tasks to manage and comprehensive employee task tables directly in the dashboard.
3. **Random Page & Pool Views:** Introduced a new list view for Random Pool and added yearly categorization for random pages.

Minor Improvements:

1. **Random Pool & History Filtering:** Excluded carry-over status employees when downloading Random history and created a dedicated API to aggregate active/inactive employees on leave status (`EE_STATUS = L`).
2. **Service List Filters:** Added search capabilities by `SPECIMEN ID` and supervisor across service lists.
3. **Expanded Table Columns:** Added detailed information columns across main listing views (Follow-up, Pre-Employment, PA, RD, Rea, and Randoms).
4. **Hub Navigation Enhancements:** Added service-based filtering directly within the Hub module for faster person lookup.
5. **Simultaneous Random / Carry-Over Logic:** Enabled dual random eligibility for employees selected in random pools who also hold active carry-over records.

Fixes:

1. Resolved date validation errors within the Test Result Status notifications.
2. Fixed download failures when exporting Random Pool `.zip` packages.
3. Fixed leave of absence (LOA) data handling and carry-over type inconsistencies.
4. Resolved post-deployment login session glitches by streamlining token data structures.

Technical Improvements:

1. **Legacy Infrastructure Cleanup:** Completely removed deprecated dependencies including RabbitMQ, Zipkin, and residual MySQL connectors, resulting in a cleaner architecture.
2. **JWT Token Architecture Optimization:** Restructured authentication payloads and reduced JWT token size by offloading encoded metadata, successfully eliminating `431 Request Header Fields Too Large` errors.
3. **Rigorous Unit Testing Coverage:** Restored and updated Random Pool unit tests to ensure robust validation for pool generation logic.

Version 4.3.0 - Release Date: 04/24/2026

Minor Improvements:

1. Improved notification system with support for dynamic placeholders.
2. Improved Random process behavior, including carry-over handling.
3. Optimized query performance in paginated lists.
4. Enhanced dashboard visibility and filtering capabilities.

New Features:

1. **Audit Enhancements:** Inclusion of Smart Validation tracking in audit logs.
2. **Pre-Employment Management:** Ability to create and manage candidates in Pre-Employment lists.
3. **News Module:** New section to display Drug & Alcohol updates, with detailed view redirected to the landing page.
4. **Random Review Enhancements:** Improved review and validation process for Random selections, including better handling of carry-over scenarios.

Fixes:

1. Resolved issues when editing notifications that caused schedule loss.
2. Fixed inconsistencies in Random history and selection logic.
3. Corrected issues in employee assignment and listing completeness.
4. Fixed errors in chatbot interactions.
5. Resolved issues in BI-State map visualization.
6. Fixed file filtering by organization.

Technical Improvements:

1. Implementation of automated builds for development and production branches.
2. Backend logging improvements for better traceability.

3. Dynamic versioning based on commits.

Version 4.2.0 - Release Date: 04/01/2026

Minor Improvements:

1. Improved AI prediction accuracy and overall performance.
2. Enhanced notification configuration and delivery handling.
3. Optimized Collection Site autocomplete for a smoother user experience.
4. General UX/UI improvements across the platform.
5. Standardized field labels and naming conventions.
6. Improved MIS Report behavior with better user feedback messages.

New Features:

1. **Case Management Module:** Full implementation including case creation, tracking, and closure.
2. **Decision Tree Engine:** Ability to create, manage, and execute dynamic rule-based decision flows.
3. **AI Prediction Enhancements:** Integration of improved predictive logic within Nexus.
4. **Collector Site Module:** New module for managing collection-related operations.
5. **Configurable Notifications:** Enhanced notification system with customizable templates and delivery rules.
6. **Heat Map Visualization:** New graphical representation for data analysis.
7. **Smart Validation**

Fixes:

1. Fixed notification delivery timing and reliability issues.
2. Resolved timezone inconsistencies affecting schedules and alerts.
3. Fixed session expiration message display under network (CORS) errors.
4. Corrected calendar inconsistencies and null validation issues.
5. Fixed issues in Case Management workflows.
6. Removed hardcoded data causing inconsistencies.
7. Fixed navigation menu alignment and behavior.

Visual Changes:

1. Improved header menu behavior (auto-close and alignment).
2. Cleaner feedback messages across the application.
3. Improved form and report display when no data is available.

Minor Improvements:

1. An adjustment was made to allow the creation of notes according to the type of note and the corresponding module, as well as the display of the reasons for the note according to the type of note and the module.
2. An adjustment was made to the carry-over forms to allow users to fill them out later when they are selected from the random pool.

New Features:

1. **Smart Report:** You can generate dynamic and customized reports, as well as configure their automatic delivery by email, defining the frequency and recipients.
2. **Configurable Notifications:** An editing panel is included that allows you to customize the content of notifications and associate them with specific services or forms.
3. **Reset Form Option:** A feature has been added to reset a form to its complete state, allowing it to be filled out again when necessary.
4. **User Manager:** A module for creating, editing, and managing users, roles, and permissions, enabling flexible and secure access control.
5. **Import Employees:** A view that allows creating, editing, searching, and mapping fields to import employee data from files.
6. **Decision Tree:** Functionality to build decision trees assigned by service and organization. Based on responses, the system determines and executes the corresponding action.

Visual Changes:

1. When the icon shown below is available, it redirects to the user guide for that functionality and is displayed only when documentation exists.



2. The form configuration view now displays active and inactive records and includes pagination.