



SciCord R3.1 (Boron FR1)

Release Highlights

SciCord Version 3.1 Release Highlights

This document outlines the major changes and important updates in SciCord version 3.1, migrating from version 3.0.5. Please pay special attention to areas marked with **⚠** **Attention Required** as they may change how you interact with the application.

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Major New Features

Core Functionality

- **Support for dynamic visualizations:** In addition to standard Reports, now environments can be configured with dynamic real-time analytics.
- **Extended signature support:** Added workflow planning for Data-Files/Document Attachments and support for 'non SciCord user' digital signatures. Without the need to use additional services like DocuSign or similar.
- **Dynamic Object prefixes:** Objects can now have dynamic prefixes (e.g., using year of creation)
- **Object 'Use' action claims:** Introduced a new action requirement type to control access to Object usage (e.g., connecting to instruments). This can be used, for example, to restrict access to a resource if users lack the required training.
- **Time recording in inventory transactions:** Inventory transactions can now record time of day.
- **Specifications enhancements:**
 - Allow linking Work Requests to Specifications (not just single Tests)
 - Specifications automatically move to 'InProgress' when rules are added
 - Import/Export functionality for Specification Rules
- **Extended integration with external Identity providers using OIDC with ROPC flow:** Improved support for external Identity Providers using OAuth 2.0 with the Resource Owner Password Credentials (ROPC) flow. This enhancement enables users to log in using their organization-defined username and password without the need to provide SciCord direct access to the organization's LDAP/Entra ID server.
- **Samples Submission Portal Interface:** Added support for optional integration with customizable Samples Submission web application. This will allow your customers to order, manage, and pay for samples testing through a dedicated interface.

Client specific Improvements

- **Document Editor:**
 - **Synchronized Edits:** Added a fast switch functionality that will facilitate concurrent Document editing sessions allowing them to pass control seamlessly without losing Audit Trail compliance and consistency.
 - Copy images to clipboard
 - 'Clear Formats' functionality
 - Improved Loading performance
- **Object Management:**
 - Display Parent Object Entity Id instead of numeric ID
 - Allow override of default Review Classification on creation
 - Clone Object functionality added to Portal
- **Navigation:**
 - Facilitate navigation from children Objects to Parent
 - Dynamic Object category views in Portal
- **Search:**
 - Implemented search results pagination (more than 50 results)
 - Synchronize "only my site" flag between dashboard and navigation view search

Portal specific Enhancements

- **Document Viewer:** Improved performance.
- **Time-zone handling:** Generated timestamps now will use the current user's browser time-zone instead of assuming UTC
- **Permissions:** Export 'Permissions Role' and 'Object Categories Permissions' matrix to Excel
- **Reports:** Support for calculated filter values based on user choices and Excel formulas
- **Health Check:** Added Report Service to Health Check page
- **Navigation:**
 - Facilitate navigation from child Object to Parent
 - Added Dynamic Object category views

Important Bug Fixes

Critical Functionality

- **△ Public URLs:** Fixed issue where URLs with infinite expiration (0) instead expired immediately

Data Integrity

- **△ Audit trail:** Fixed missing audit entries for Parent Object property on creation (only when using Portal)
- **Location comments:** Fixed saving issues for Location position comments
- **'Change Location' transaction:** No longer created when location doesn't actually change.
- **Specification acceptance values:** Resolved issue with unwanted blank characters in accepted values

UI/UX Issues

- **Recent documents:** Fixed stale status in Recent Documents tree
- **Navigation views:** Fixed reset of 'NavigationViews' setting during logout
- **Grid filters:** Standardized "Yes/No" vs "True/False" terminology in boolean filters
- **Permissions visibility:** Fixed visible but restricted actions in Object Attachments grid

Usability Improvements

Workflow Enhancements

- **Document status management:** Improved the **Client** application to provide shortcuts that will allow to switch the Document status in fewer clicks and more efficiently. Like 'Change status on Close' or 'Approve Document on Review Complete'.
- **Multi-Work Request scheduling:** Update scheduling for multiple Work Requests simultaneously
- **Status transitions:** Allow setting entities for Review without pre-assigned reviewer

Navigation and Search (Client)

- **Directory selection:** Expanded by default with auto-commit
- **Location selection:** Expanded by default
- **Search results:** Implemented double-click behavior
- **Dashboard:** Implemented double-click behavior for recent entities

Object Management

- **Linked attributes:** Improved management in both Client and Portal
- **Object creation:** Pre-filter restricted Object Types when creating new Objects
- **Object labels:** Automatic refresh after updates if pattern defined

Cosmetic Changes

UI Refinements

- **Text display:** Monospaced font for text files viewer
- **History grid:** Limited the max row size in Document Editor
- **Calendar view:** Enhanced to display more Work Request information
- **Client zoom:** Added slider control (Ctrl+Alt+/- shortcuts)
- **New branding:** Updated SciCord logo and favicon

Terminology Updates

- Renamed 'duplicate navigation view' to 'clone' for consistency
- Renamed "Object Type - Analysis Matrix" for clarity

Template and TemplateAPI Changes

New Template Capabilities

- Support for exporting Document content to PDF
- Additional Result Attributes (6-10) available in new TAPI version
- Object attribute value templates now support formulas for calculated attributes
- Support for custom comments when clearing Object location
- Date-Time can be used when recording Inventory Transactions

Areas Requiring Special Attention

1. **⚠ Analytics and Visualizations**

In addition to standard 'static' reports, environments can now be equipped with dynamic, real-time analytics powered by Power BI.

2. **⚠ Support for Document Concurrent Editing**

Explore the new Synchronized Edit functionality, designed for scenarios like Batch Records and other use cases where multiple users from different clients need to collaboratively edit a Document.

3. **⚠ Signature Workflows**

New signature capabilities allow including non-SciCord users and better workflow planning. Review new options. This allows, for instance, your customers to electronically sign off on methods or reports without needing a SciCord account.

4. **⚠ Time-zone Handling**

Portal behavior has been aligned to Client, generated Timestamps (e.g. Creation and Last Updated dates) now use browser time zone instead of defaulting to UTC.

5. **⚠ Dynamic Object Prefixes**

Object Types now support dynamic prefixes, allowing configurations such as including the year of creation in identifiers. For instance: STAB-{YEAR} for identifying samples created each year (STAB-2025-1001, STAB-2025-1002, STAB-2026-1001, etc.)

6. **⚠ OAuth 2.0 support**

Server-to-server authentication can now be configured using the Resource Owner Password Credentials (ROPC) flow. This enables your administrators to set up your organization's Identity Provider so that users can log in to SciCord using their existing company credentials.



Boron Feature Release 3.1 Highlights

Please contact SciCord Support with any questions about these changes.