



Kuali Coeus Version 5.1 Release Notes

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Purpose: The purpose of this document is to summarize the major changes and enhancements included in this latest software application system release version.

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What's New in This Release?

KC Release 5.1 includes:

- Upgrade of Rice to version 2.1.5 which includes performance improvements, some fixes to Kuali Identity Management (KIM), PeopleFlow, and Kuali Rules Management System (KRMS).
- KRMS integration including the implementation of Coeus functions as Terms. Additional technical details specific to KRMS configuration can be found here: <https://wiki.kuali.org/display/KRDOC/KRMS+Implementation+in+Kuali+Coeus>
- Recall in routing in IRB and Proposal Development. Please note that the "Recall and Cancel" action should not be used in this release because it renders the document into read-only and un-actionable state.
- Initial integration of BIRT Reports. Documentation and more refinements are coming in future releases.
- Completion of IACUC Notifications.
- Enhancement to preserve KC Notifications for audit/regulatory needs in IRB, IACUC, COI, and Negotiations
- Usability "Quick Wins" including display of a progress indicator while loading KC pages, addition of a warning message to the Reload button, and several user interface improvements to Proposal Development.
- Subaward budgeting for Proposal Development
- Small Business Subcontract Reporting for KC (SF294/SF295). Note that this functionality has not been tested as extensively as is standard for KC. QA will continue over the next few weeks.
- Code refactoring of the IRB module.



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Note: Starting in Release 5.1, all functional issues - regardless of module - are being managed in the “KRACOEUS” JIRA project. Therefore, please do not rely on the JIRA key to identify the module(s) affected in the following lists of changes.

Detailed List of Changes:

Enhancements and Improvements:

Release 5.1 includes the following enhancements and improvements:

Key	Summary
KCCOI-39	Specify Module Item Statuses and Sponsors that will required Event based disclosures
KCCOI-60	Create COI Disclosure Questionnaire SubPanel
KCIAC-155	KCIAC-148 Create hierarchy of action bean interfaces and implementing classes in order to allow action-related services to be reused
KCIAC-201	KCIAC-148 Eliminate the post submission issues with the actions tab.
KCIAC-203	KCIAC-148 Add Protocol Created action with notification on the first protocol save.
KCIAC-429	Create Maintenance Components IacucResearchArea
KCIAC-49	Copy remaining org.kuali.kra.irb package components into org.kuali.kra.protocol
KCIAC-54	Refactor Common Protocol action-amend/renew code to base protocol packages
KCINFR-698	Disabled the session document service to fix performance and excessive KRNS_SESN_DOC_T table space usage
KCINFR-713	KCINFR-646 KRIM performance Issue while saving Permission tab on PD
KCINFR-716	Upgrade CXF to 2.7 version.
KCINFR-717	Recall Routing permissions do not work with KC role qualifiers
KCINFR-751	Drools Upgrade
KCINFR-753	Role lookups slow when there are over 200 roles
KCIRB-1345	Add sorting UI to Protocol Attachments in Notes & Attachments tab
KCIRB-1696	Add Protocols to Medusa
KCIRB-1788	Add Create Proposal Action to Development Proposal Funding Source
KCIRB-374	KCIRB-369 Operators Maintenance doc
KRACOEUS-4686	Allow recall in routing in Proposal Development
KRACOEUS-5542	Add screen that allows the user to select which temp proposal log is merged to a permanent proposal log.
KRACOEUS-5560	Master Jira to Migrate Stored Functions used in Proposal Development module to Java Functions and Create KRMS Terms
KRACOEUS-5561	KRACOEUS-5560 Create Proposal Development KRMS Java Functions and Terms - Set 1
KRACOEUS-5562	KRACOEUS-5560 Create Proposal Development KRMS Java Functions and Terms - Set 2
KRACOEUS-5569	Delivery info: Display zip code in address
KRACOEUS-5664	KRACOEUS-5663 Create document Property-Term Maintenance UI
KRACOEUS-5665	KRACOEUS-5663 Create document Property-Term Maintenance Services
KRACOEUS-5694	Proposal Development-Enhancement: Add ability to capture proposal deadline time of day
KRACOEUS-5695	KRACOEUS-5694 Add Deadline Time to IP
KRACOEUS-5700	Grants.gov - Missing Validation for NIH Proposals for eRA Commons User Name for RR_KeyPerson and RR_KeyPersonExpanded forms
KRACOEUS-5751	KRACOEUS-5742 Change Followup Action for Expedited Approval to Assign to Schedule & Agenda
KRACOEUS-5762	IRB: Create Recall-in Routing for IRB Protocol
KRACOEUS-5813	Add IACUC Protocol Action Type Maintenance
KRACOEUS-5816	IACUC Notifications
KRACOEUS-5817	Integrate IACUC Research Area with IACUC committees
KRACOEUS-5845	KRACOEUS-5694 Add Deadline time to Proposal Log
KRACOEUS-5847	Refactor Protocol Committee Artifacts with Base Suffix



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Key	Summary
KRACOEUS-5851	Maintenance-Non-Employee Lookup Address Book): New Address Book # should be system generated (Functional Equivalency Issue).
KRACOEUS-5857	KRACOEUS-5792 Change parents of kra.irb.* "small knot" classes to extend from corresponding kra.protocol.* classes in trunk.
KRACOEUS-5858	KRACOEUS-5614 Certification Questionnaire View in Summary panel displays wrong Questionnaire, but correct answers
KRACOEUS-5868	Printouts need totals for Payment Schedule, Unrecovered F&A and Cost Sharing details
KRACOEUS-5869	Proposal Budget: New field "No. of Months"
KRACOEUS-5873	KRMS Integration
KRACOEUS-5879	KRACOEUS-5873 Implement Coeus functions as Terms in Java
KRACOEUS-5880	KRACOEUS-5873 Ability to invoke a questionnaire on a document based on a KRMS rule
KRACOEUS-5881	KRACOEUS-5873 IRB Protocol Functions
KRACOEUS-5882	KRACOEUS-5873 IACUC Protocol Functions
KRACOEUS-5892	Shared: Add functionality to set Active/Inactive status on a Sponsor record and filter Sponsor searches by active/inactive/both
KRACOEUS-5993	KRACOEUS-5991 Proposal (PD): Warning should be provided when user does not click the add button
KRACOEUS-5998	Cross Module Enhancement: Notes Panel - "Last Updated By" and "Created by" columns should be added to retain the original Notes author and the person who updated
KRACOEUS-6000	KRACOEUS-5792 Switch parents of all IRB Bos/services described in the IRB repository/spring-beans file. Also backfit all committee BOs and other classes that have lacuc siblings.
KRACOEUS-6001	Grants.gov: CSS-120809-SF424RR-V12 : RR_Budget-V1.1, RR_FedNonFedBudget-V1.1, RR_Budget10-V1.1, RR_FedNonFedBudget10-V1-1: 'Number of Participants' field should be added to KC and should be a user-entered field
KRACOEUS-6002	Cross Module Enhancement: Preserve KC Notifications for audit/regulatory needs
KRACOEUS-6003	KRACOEUS-6002 Modify Notification BO and Service to be aware of its Parent Artifact
KRACOEUS-6004	KRACOEUS-6002 Create IRB Protocol Notification Panel Linking for Notification History
KRACOEUS-6005	KRACOEUS-6002 Create IACUC Protocol Notification Panel Linking for Notification History
KRACOEUS-6006	KRACOEUS-6002 Create COI Disclosure Notification Panel Linking for Notification History
KRACOEUS-6020	KRACOEUS-5792 Switch parents of the IRB protocol action bean hierarchy along with other related hierarchies like correspondence and notifications.
KRACOEUS-6045	Implement COI Notifications for Disclosure Approved and Disclosure Disapproved
KRACOEUS-6048	KRACOEUS-5792 Backfit action/form/helper/services classes related to protocol protocol tab (first tab in GUI)
KRACOEUS-6055	Printing jar update
KRACOEUS-6056	KRACOEUS-6002 Implement Negotiation subtask for persisting Notifications
KRACOEUS-6060	Subaward budgeting for Proposal Development
KRACOEUS-6062	Develop Small Business Subcontract Reporting for KC (SF294/SF295)
KRACOEUS-6065	KRACOEUS-6062 Create Subcontracting Report Central Admin Action for ISR/SSR
KRACOEUS-6082	KRACOEUS-6062 Create Goals-Expenditures SubContract Expense Data Award Action
KRACOEUS-6090	Proposal/IP/Awd/IRB/IACUC: Add a 'Not yet applied' option in Special Review for Animal/Human Subjects when protocol linking parameters are enabled
KRACOEUS-6105	Ability to submit system-to-system proposals to Research.gov
KRACOEUS-6107	Integrate BIRT reports
KRACOEUS-6108	KRACOEUS-6107 Create BIRT report permissions and roles
KRACOEUS-6111	KRACOEUS-6107 Build BIRT Report Generation Panel
KRACOEUS-6112	KRACOEUS-6107 Create out of the box sample BIRT report for KC
KRACOEUS-6115	Cross Module Enhancement -- Electronic Signature upload framework for .pdf



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Key	Summary
	correspondences
KRACOEUS-6118	Improve Award performance with large hierarchies / lots of funding proposals
KRACOEUS-6121	KRACOEUS-6062 Create SubAward Detailed Expense tables for ISR/SSR reporting
KRACOEUS-6127	Add warning dialogue to reload button
KRACOEUS-6128	PD Attachment addition prompt for description before save error.
KRACOEUS-6129	Hide & Default Document Overview Panel in PD
KRACOEUS-6130	Add "cancel" option dialogue to "Close" document action in PD
KRACOEUS-6154	KRACOEUS-6060 Create Editable Subaward Budget Detail panel in Budget Actions
KRACOEUS-6157	Database indexes for improved performance
KRACOEUS-6158	Special Review tab UI is pushed out to the right causing horizontal scrollbars
KRACOEUS-6168	KC FE testing: PD budget violations should be listed on the screen without having to turn validations on first, or leaving the budget area
KRACOEUS-6170	Display Progress Indicator while loading KC pages
KRACOEUS-6179	Change Sponsor Deadline Time field to be Timestamp and use time widget in Proposal
KRACOEUS-6180	Modify Default Document Overview Description in Prop Dev
KRACOEUS-6229	KRACOEUS-5816 Create Notification Action for IACUC Request to Suspend
KRACOEUS-6245	KRACOEUS-6062 Create Subcontracting PDF Report Generation for ISR/SSR
KRACOEUS-6262	Rename "cancel" option when close document action is taken
KRACOEUS-6263	UXG Quick Win UI-12 - Links and labels in the action list should be clear enough that users understand where to click to open documents.
KRACOEUS-6314	Update Address Book entry '1' out-of-the-box data for Research.gov testing (City, Postal Code)
KRACOEUS-6336	Remove inactive Protocol links from Unit and Central Admin portal channels
KRAFDBCK-1274	Add ability to merge fields in Lookup screens for display purposes.
KRAFDBCK-1275	Add ability to display inquiry screen for code items displaying their description
KRAFDBCK-9086	COI: Coeus COI allows Event Disclosures to be Submitted and/or Reviewed while Annual is being processed

Fixes:

Release 5.1 includes the following fixes:

Key	Summary
KCCOI-264	COI - Add default 'select' for Attachment Type pull-down
KCCOI-286	KCCOI - Stack trace on updating notes within an event disclosure multiple times
KCCOI-310	KCCOI - New manual disclosure set up to (include in annual and include FE) does not appear in master or annual "manual projects" panel
KCCOI-324	KCCOI - Reviewer getting multiple notifications for assign reviewer action
KCCOI-332	COI: New project disclosure to complete: IACUC protocols do not trigger COI event
KCCOI-344	Fix width issue of COI disclosure Notes and Attachments panel
KCCOI-345	Correct Reviewer Actions panel top tab image on COI Disclosure Actions
KCIAC-165	Maintenance: Exception Category Lookup should be labeled IACUC Exception Category Lookup and include Active, Inactive, or Both search option.
KCIAC-363	KCIACUC - Only submission type allowed on withdrawn protocols is "initial application for review"
KCIAC-375	KCIACUC - History shows "notified committee" multiple times when no such action was performed
KCIAC-403	KCIACUC - Review comments not visible to researcher upon return to pi action
KCIAC-436	Validation errors on modify submission action cause the reviewer types to reset to 'select'
KCIAC-442	KAICUC - Stack trace from modify submission details if user clicks submit with



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	no schedule and no submission review type
KCINFR-438	Copy/Paste from Word doc causes unpredictable behavior
KCINFR-585	KIM-Create Award Account & Create Financial Award permissions for KC to KFS integration not recognizing Group Members.
KCINFR-610	KIM-Institutional Proposal Maintainer & Time And Money Modifier Roles not recognizing Group Members.
KCINFR-636	Adding member to IACUC ProtocolApprover role and blanket approving throws stack trace
KCINFR-643	County document allows bad values for state code
KCINFR-657	Role type inquiry on role lookup presents inquiry of a role that is unrelated
KCINFR-666	Cancel any KRMS maintenance Documents in embedded mode returns to rice server context
KCINFR-670	Stacktrace Error in Peopleflow Maintenance Approver Delegation Tab
KCINFR-671	People Flow - Adding roles to a stop allowed without selecting the role
KCINFR-677	KRMS - Copy rule search parameter window prepopulates rule id
KCINFR-678	KRMS - Copy rule action generating an error message
KCINFR-683	Change the package structure of the generated KFS API classes to match KFS's dir structure.
KCINFR-686	CFDA quartz job not firing correctly
KCINFR-687	KC - KFS Integrations: Problems with KFS Account Inquiry screen - double inquiry panels and Director field missing
KCINFR-688	The budget adjustment service throws an error about "account document being saved with errors"
KCINFR-697	Maintenance docs: Unable to save or blanket approve a new argument value document due to error
KCINFR-704	The document urls in notifications do not work for COI, IRB and IACUC notifications in embedded mode
KCINFR-709	Validating for the fiscal year in while trying to create an account is not required.
KCINFR-712	Shared: System Displays Stack Trace Error Upon User Clicking Save After Entering Invalid Namespace Code
KCINFR-724	CFDA Job - Unexpected results on changing CFDA entries
KCINFR-729	Overriding session document service prevents any transactional document from being saved.
KCINFR-742	Send Simple Notification throwing stack trace
KCINFR-757	Change KC namespace to URL
KCIRB-1716	Questionnaire: Status Does Not Change to Indicate Existence of New Questions
KCIRB-1731	Committee Schedule: Monthly Recurrence - system does not retain values initially specified by user
KCIRB-1808	Retention of Amendment Details in the Summary and History Tab
KRACOEUS-3336	Proposal Budget: Discrepancy in fringe calculations on budget forms vs. what the UI shows in Calculate Fringe field (Personnel tab-Person Details)
KRACOEUS-4320	cannot remove organization type from organization
KRACOEUS-4356	AWD Enhancement: AW-26 Link Funding Proposals of any Proposal Status
KRACOEUS-4995	Quick search (magnifying glass icons) function is broken on the proposal search screen
KRACOEUS-5293	KC FE testing: type "other" attachment disappears if user doesn't enter a description for type "other"
KRACOEUS-5464	Grants.gov: 'State' dropdown address field contains only U.S. States; no provinces/states available for foreign countries (not required for 3.1, can be deferred)
KRACOEUS-5523	Proposal Budget: Sub Award attachments missing replace functionality
KRACOEUS-5546	Award: System Displays HTTP Status 500 Error Upon User Engaging Add Action on F&A Rates Subpanel on Commitments Tab When Space Populated on End Date Field
KRACOEUS-5549	Award: Since the Trunk restart, cannot get past award panel when creating an award - getting "The specified Inventions does not exist" error message.
KRACOEUS-5582	Award T&M: System Displays Stack Trace Error Upon User Deleting Oblg. End Date in Time and Money and Clicking Save (or Clicking Return to Award)



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KRACOEUS-5594	Award Hierarchy: selecting an Award for copy actions should automatically select appropriate radio button
KRACOEUS-5596	Proposal Development: Proposal Summary Tab not displayed in expected location
KRACOEUS-5597	Proposal Development: Parameter to control display of Special Review items is missing.
KRACOEUS-5598	Proposal Development: When all Proposal Summary Panels are disabled the bottom graphic for panels still displays.
KRACOEUS-5599	Proposal Development: Proposal Summary validation panel is missing
KRACOEUS-5600	Proposal Development: When Proposal Summary Panel is disabled the next enabled panel doesn't display as the top panel should
KRACOEUS-5607	Grants.gov - Form SFLLL-V1.1 prints distorted when printing from the Grants.gov tab in Proposal Development
KRACOEUS-5609	Award: AWARD_UNIT_CONTACTS table doesn't always result in record value for UNIT_ADMINISTRATOR_UNIT_NUMBER field.
KRACOEUS-5612	Grants.gov: New Grants.gov Form 'EPA-Key Contacts STAR Fellowship Form V1.0'
KRACOEUS-5653	KRMS - Upon creating a compound proposition, the system populates proposition name with non-intelligent characters
KRACOEUS-5656	Grants.gov: Indirect Cost line not fully mapping on the 'RR FedNonFedBudget V1.1' and the 'RR FedNonFedBudget10 V1.1' when only Personnel Submit Cost Share has been enabled
KRACOEUS-5657	Grants.gov: missing User Name field in Person Extended Attributes table, used for NIH GG submissions
KRACOEUS-5658	Grants.gov: special characters in uploaded subaward attachments causing hash error rejection from Grants.gov
KRACOEUS-5663	KRMS - Within KC KRMS additional module properties cannot be defined by an administrator
KRACOEUS-5672	Award Hierarchy: Editing an Award created by an Award copy with descendants skips an award version
KRACOEUS-5673	Award T&M: More special characters in Award Title make Award Hierarchy unusable (Hierarchy Actions panel & Time & Money doc)
KRACOEUS-5674	Subawards: Title field limited to 150 even though Proposal & Award Titles are 200.
KRACOEUS-5675	Maintenance Doc: Person Training Lookup Result - Include: search icon, person name & hyperlink
KRACOEUS-5680	Investigate adding workflow properties to Maint Docs and investigate the data T&M is still persisting in document content.
KRACOEUS-5681	Deleting a Proposal "Internal Attachment" and clicking save generates incorrect errors. Reload required to clear.
KRACOEUS-5685	Maintenance doc: Unit Formulated Cost table allows more than one entry to be created with the same Formulated Type & Unit Number, should only allow one
KRACOEUS-5686	Parameter: the parameter 'enableFormulatedCostCalc' is not working when disabled (set to N), the formulated cost calculated is still enabled
KRACOEUS-5697	Award Hierarchy Sync: Cannot sync credit split data, and that prevents syncing investigators
KRACOEUS-5698	Award/Subaward: search for a particular status returns results with other current statuses
KRACOEUS-5699	Subaward: Search by range of dates not available
KRACOEUS-5701	COI: System Automatically Turns Off Data Validation and Related System Message Upon User Clicking Fix Action on Data Validation Panel
KRACOEUS-5704	COI: coiaadmin user got stack trace when tried to approve 'Update Master Disclosure' by clicking 'Disclosure Actions' tab
KRACOEUS-5713	COIADMIN or QUICKSTART Unable to Create/Save New Manual Disclosure in Internet Explorer
KRACOEUS-5714	KCCOI - Approved event based IACUC protocol disclosures not appearing in "update master"
KRACOEUS-5723	Complete questionnaire usage permissions and roles for COI
KRACOEUS-5728	Add laucuc protocol OLR status db artifacts and map to code.



KRACOEUS-5732	Function to deactivate areas of research is not working properly
KRACOEUS-5740	IRB and IACUC Permission: Derived role should not be used in Permission Tab
KRACOEUS-5802	IACUC: Species Field on Species Groups Tab Displays Duplicate Menu Items
KRACOEUS-5803	KCIACUC - IACUC Acknowledgement should only be available for submission type of FYI
KRACOEUS-5805	KCIACUC - Provide IACUC specific values for determination recommendation
KRACOEUS-5807	KCIACUC - Upon changing determination due date, reviewer cannot add comments or attachments to their OLR review
KRACOEUS-5808	Possible Commons Beanutils Issue appearing in logs
KRACOEUS-5809	KCIACUC - Protocol review comments entered through OLR not appearing in meeting minutes pdf
KRACOEUS-5843	Subaward Invoicing: User with proper permission should be able to initiate a new invoice document on any Subaward they are allowed to VIEW
KRACOEUS-5852	Maintenance Docs: Custom Data - Copy of existing document does not show newly added custom data elements
KRACOEUS-5859	Able to add an in-active area of research during committee set-up
KRACOEUS-5864	Proposal Budget, Summary Tab: Show personnel salary detail, row detail shifted to left, Fixed in 3.2, not fixed in 5.0.1, 5.1 DLY
KRACOEUS-5870	Central Admin Development Proposal Search - Not able to search for all available units.
KRACOEUS-5891	T&M - Opening T&M document from doc search and returning to award causes stack trace.
KRACOEUS-5921	Award: Catch 22 between Award & TM date validations - can't save corrections if you add a transaction instead of click save button
KRACOEUS-5923	Prop Dev / Routing: Approvers are not able to enter notes in the proposal development record during routing.
KRACOEUS-5936	Award Funding Proposals: trouble with additional FPs added in an Award (show/hide buttons & Total at bottom of panel)
KRACOEUS-5945	T&M: History panel & Action Summary panel have tables that are not right-justified and amounts need commas.
KRACOEUS-5982	Unable to add review comments in Return to PI
KRACOEUS-6016	Award Report Tracking: SF269 Expenditure Report Not Populating for First Obligation Period
KRACOEUS-6024	Subaward Invoices: Can't save or submit an Invoice because of an error about Mime Type
KRACOEUS-6032	Award Time and Money: System Displays System Messages Indicating Oblg. Start and Oblg. End Required Fields, But Does Not Allow User to Save or Return to Award Upon Entering Dates
KRACOEUS-6036	Proposal Hierarchy: Sync Child Budget to Parent functionality needed
KRACOEUS-6037	Award: Update date validations for Award, T&M, Awd Hierarchy to be consistent in language & presentation
KRACOEUS-6040	Award T&M: Blank amounts in a Transaction (instead of 0.00) results in STE or doc going to EXCEPTION
KRACOEUS-6042	Medusa: Subaward summary missing "open subaward" button & needs some label corrections
KRACOEUS-6049	Award T&M: History panel & document header displays incorrect update user/timestamp for final, uneditable docs
KRACOEUS-6050	Timestamp not currently displaying in Time and Money History Panel
KRACOEUS-6057	invalid XML in dwr-kra.xml
KRACOEUS-6067	Proposal Log - Removed properties on Proposal Log and bad placement of try/catch causes few to no results to appear in Proposal Log search
KRACOEUS-6071	SUBAWARD: Saved Subaward Version does not present itself when user attempts to edit a subaward.
KRACOEUS-6076	Watermarking issues with color names and duplicate watermarks
KRACOEUS-6077	Entered data lost from PDF when printed with watermark
KRACOEUS-6078	Add Modify Training role to KC
KRACOEUS-6081	Institutional Proposal: System Displays Stack Trace Error Upon Save After User Populates a Value for Total Period Requested Start Date
KRACOEUS-6086	AWARD: [UPDATE_TIMESTAMP] changes on all



	TNM_DOCUMENT_NUMBER lines for a specified AWARD_NUMBER in AWARD_AMOUNT_INFO table
KRACOEUS-6099	Award: Indicator codes not properly loading in database for AWARD table.
KRACOEUS-6125	Cannot sort by effective date in Maintenance section for Training Stipend Rate Lookup results
KRACOEUS-6131	Maintenance: Sponsor Template Terms panel should display Sponsor Term ID Description instead of Sponsor Term Code
KRACOEUS-6160	NPE - navigate to 'Award Actions' page of a cancelled award
KRACOEUS-6164	Compare to Previous only showing status change in IRB protocol
KRACOEUS-6200	Award: TimeAndMoneyHistoryService should not sort TimeAndMoney documents by their document number
KRACOEUS-6203	COI FEs missing from master disclosure
KRACOEUS-6239	Award T&M: Incorrect error message won't allow transaction that would reduce cumulative amount to zero
KRACOEUS-6269	IRB Amendment: Create a second amendment after successful merge with first amendment. The amendment summary and amend selection is not blank out from the first amendment's data
KRACOEUS-6277	Award: T&M Doc - Date Change Order Locks up a Time and Money Document
KRACOEUS-6316	System does not retain reviewer 'Determination Recommendation' (Summary & History)
KRACOEUS-6317	Shared: SuperUser Approved documents T&M docs go into Exception route status
KRACOEUS-6378	PD Hierarchy Budgets Broken: DC not calculating correctly at parent
KRAFDBCK-4804	Unit Maintenance: Organization is indicated as a required field, yet is not.
KRAFDBCK-7576	Award Budget: Document header status doesn't match kew document status.
KRAFDBCK-8005	Award: Red dot displaying in wrong location for Obligation Start Date error
KRAFDBCK-8746	Award Hierarchy: System No Longer Displays Copy & Create Action Buttons After User Clicks Them Without Making a Selection

Important Notes:

- iText 2.1.7 library is slated for removal in KC 5.2. Any implementer customizations or dependencies on this library should be removed.
- Species table for IACUC: The Species Table (IACUC_SPECIES) was populated from bootstrap scripts in KC 5.0. The table is not complete; it was meant as a starting point for implementers to update and add their own species. Unfortunately, it was also populated improperly, with most of the entries duplicated. Starting in KC 5.1, Species data is packaged as Demo. Implementers expected to vet, publish, and maintain their own. Implementers of 5.0/5.0.1 who haven't modified the Species table (and thus have the imperfect bootstrap version previously published) can get the cleaned up demo version from the demo database build scripts.
- Workaround to import XML to Adobe Package ([KRACOEUS-6038](#)): The current implementation of saving the Grants.Gov XML requires the selection of forms to be printed before executing the Save XML action. The resulting zip document contains the XML and any related attachments needed for the selected forms. However, the XML content needs to be manipulated before it can be imported into the related Adobe Package. Implementers should use the workaround document attached to [KRACOEUS-6038](#) to build an XML document that can be imported into the Adobe Package.
- KC/KFS integrations were not tested for the 5.1 release.



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Known Issues with Upgrade Scripts:

- While upgrading MySQL, if the Rice server has already been upgraded separately to 2.1.5, the KC mysql install results in a few errors. Since this is not a common platform or procedure to upgrade KC, we will work with individual institutions that may see these.
- While upgrading Rice from 1.0.3.x to 2.x, an error is thrown by quartz on startup which reads something like "stream classdesc serialVersionUID = 5807770268543892618, local class serialVersionUID = 5096393175403095624". The fix for this is to delete all entries from the tables `krsb_qrtz_blob_triggers` and `krsb_qrtz_triggers` and restart Tomcat or to extract the data from the quartz tables using the version of quartz installed in your current installation and import it back in using the version of quartz in the upgraded installation.
- While upgrading from versions older than Rice 2.1.3, null constraint violations might be thrown about existing pessimistic lock entries in the `KRNS_PESSIMISTIC_LOCKS` tables. Please delete all entries from this table before upgrading.
- In some MySQL versions, the following errors are thrown while doing a clean install of KC. These have not been found to affect the application significantly and can be ignored.

KC-RELEASE-5_0_1-Upgrade-MYSQL-Install.log:ERROR 1005 (HY000) at line 2 in file: '/home/dpace/src/kc_project/src/main/config/sql/current_mysql/5.0.1/constraints/KC_FK_COMM_BATCH_CORRESP.sql': Can't create table 'kcdev.#sql-52c_69e' (errno: 150)

KC-RELEASE-5_0_1-Upgrade-MYSQL-Install.log:ERROR 1005 (HY000) at line 2 in file: '/home/dpace/src/kc_project/src/main/config/sql/current_mysql/5.0.1/constraints/KC_FK_IACUC_BATCH_CORRESPONDENCE.sql': Can't create table 'kcdev.#sql-52c_69e' (errno: 150)

KC-RELEASE-5_0_1-Upgrade-MYSQL-Install.log:ERROR 1005 (HY000) at line 8 in file: '/home/dpace/src/kc_project/src/main/config/sql/current_mysql/5.0.1/constraints/KC_FK_IACUC_BATCH_CORRESPONDENCE.sql': Can't create table 'kcdev.#sql-52c_69e' (errno: 150)

KC-RELEASE-5_0_1-Upgrade-MYSQL-Install.log:ERROR 1005 (HY000) at line 2 in file: '/home/dpace/src/kc_project/src/main/config/sql/current_mysql/5.0.1/constraints/KC_FK_IACUC_BATCH_CORRESP_DETAIL.sql': Can't create table 'kcdev.#sql-52c_69e' (errno: 150)

KC-RELEASE-5_0_1-Upgrade-MYSQL-Install.log:ERROR 1005 (HY000) at line 10 in file: '/home/dpace/src/kc_project/src/main/config/sql/current_mysql/5.0.1/constraints/KC_FK_IACUC_PROTOCOL_RESEARCH_AREAS.sql': Can't create table 'kcdev.#sql-52c_69e' (errno: 150)

KC-RELEASE-5_0_1-Upgrade-MYSQL-Install.log:ERROR 1005 (HY000) at line 2 in file: '/home/dpace/src/kc_project/src/main/config/sql/current_mysql/5.0.1/constraints/KC_FK_IACUC_PROTO_AMEND_RENEW_MOD.sql': Can't create table 'kcdev.#sql-52c_69e' (errno: 150)

KC-RELEASE-5_0_1-Upgrade-MYSQL-Install.log:ERROR 1005 (HY000) at line 8 in file: '/home/dpace/src/kc_project/src/main/config/sql/current_mysql/5.0.1/constraints/KC_FK_UNIT_FORMULATED_COST.sql': Can't create table 'kcdev.#sql-52c_69e' (errno: 150)

KC-RELEASE-5_0_1-Upgrade-MYSQL-Install.log:ERROR 1005 (HY000) at line 2 in file: '/home/dpace/src/kc_project/src/main/config/sql/current_mysql/5.0.1/constraints/KC_FK_VALID_IACUC_PROTO_ACTN_ACTN.sql': Can't create table 'kcdev.#sql-52c_69e' (errno: 150)

KC-RELEASE-5_0_1-Upgrade-MYSQL-Install.log:ERROR 1005 (HY000) at line 8 in file: '/home/dpace/src/kc_project/src/main/config/sql/current_mysql/5.0.1/constraints/KC_FK_VALID_IACUC_PROTO_ACTN_ACTN.sql': Can't create table 'kcdev.#sql-52c_69e' (errno: 150)



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KC-RELEASE-5_0_1-Upgrade-MYSQL-Install.log:ERROR 1005 (HY000) at line 14 in file:
'/home/dpace/src/kc_project/src/main/config/sql/current_mysql/5.0.1/constraints/KC_FK_VALID_IACUC_PROTO_ACTN_ACTN.sql': Can't create table 'kcdev.#sql-52c_69e' (errno: 150)

KC-RELEASE-5_1_0-Upgrade-MYSQL-Install.log:ERROR 1005 (HY000) at line 2 in file:
'/home/dpace/src/kc_project/src/main/config/sql/current_mysql/5.1.0/constraints/KC_FK_COMM_MEMBER_EXPERTISE.sql': Can't create table 'kcdev.#sql-52c_6a2' (errno: 150)

KC-RELEASE-5_1_0-Upgrade-MYSQL-Install.log:ERROR 1005 (HY000) at line 2 in file:
'/home/dpace/src/kc_project/src/main/config/sql/current_mysql/5.1.0/constraints/KC_FK_COMM_RESEARCH_AREAS.sql': Can't create table 'kcdev.#sql-52c_6a2' (errno: 150)

KC-RELEASE-5_1_0-Upgrade-MYSQL-Install.log:ERROR 1005 (HY000) at line 2 in file:
'/home/dpace/src/kc_project/src/main/config/sql/current_mysql/5.1.0/constraints/KC_FK_S2S_PROVIDERS.sql': Can't create table 'kcdev.#sql-52c_6a2' (errno: 150)



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