Kuali Proposal Development Aggregator Guide
This document walks you through how to enter a proposal in Kuali Proposal Development (PD).

This document uses headers for easier navigation.

- In Microsoft Word, turn on the Navigation Pane under the View toolbar Show section in Microsoft Word to see a lefthand menu of headings available to click through.
- In PDF view Bookmarks in the side menu to see the menu of headings to click through.

Note – The examples used in this guide are from our test environment, which is populated with random data for testing and guide documentation purposes, none of the screenshots are from actual proposals.

Resources
Below are some additional resources to assist you with Kuali Proposal Development.

Approver Video
There is a 7-minute video that walk through the basics for reviewing and approving a proposal, this is available at the following link: Kuali PD Approver Video

Accessibility
Kuali completes VPATs (Voluntary Product Accessibility Template) on a regular basis to help maintain AA WCAG standard and responds to findings from the VPAT throughout the year. Kuali’s most recent VPAT was conducted using Jaws 2021 screen reader.

ORSP Contacts
- General Kuali questions: ORSPTraining@umb.edu
  - Questions specific to a proposal should be directed to your Preaward contact
- Ginny Maki, Assistant Director of ORSP eRA Systems and Training: Virginia.Maki@umb.edu
- Shala Bonyun, Associate Director of ORSP Preaward Support Services: Shala.Bonyun@umb.edu
- ORSP Website: https://www.umb.edu/orsp

Zendesk
Zendesk is a Kuali website that offers Knowledge Base articles, new release information, and a place to connect with the Kuali community. Anyone may create a login to access these resources. https://kuali-research.zendesk.com/hc/en-us

Acronyms and Definitions
PD – Kuali Proposal Development
IP – Kuali Institutional Proposal
PS – PeopleSoft
IRB – Institutional Review Board
COI – Conflict of Interest
F&A – Facilities and Administration, typically refers to overhead rate in a sponsor program setting

Prime Sponsor
- Entity that is the original source of funding, captured when the terms of the primary award flow down to any subawardees

Sponsor
- Sponsor or Direct Sponsor is the entity awarding the funds directly to the university

Roles and Responsibilities in Kuali PD
- Aggregators
  - Edit rights to all proposals within a department, includes ability to initiate proposals
- Creators
  - Edit rights to proposals they initiate
- PIs & Co-PIs
  - Initiate, Review and Approve, Certifications for their own proposals, Update Conflict of Interest
- Approvers
  - PIs, co-PIs, Directors, Chairs & Deans, Financial/Grant Managers, or their delegates
- ORSP Preaward
  - Review, Approve, Submit to Sponsor

Conflict of Interest (COI)
PIs and co-PIs must complete/update their conflict of interest within Kuali COI prior to approving a proposal. Kuali PD will send a notification to the PI and any co-PIs alerting them to update their COI at the time a proposal is submitted for review. It is recommended to complete the COI as soon as possible once a proposal has been submitted for review and approval, ORSP will not grant final approval of a proposal where the PI or any co-PIs have incomplete COIs.

COI status for PIs and co-PIs can be viewed under the Key Personnel section. Here is an example of the COI and certification status:

Note that the disclosure references that it is annual, however, new proposals could present areas where conflicts may exist that were not previously present. Think of the ‘Annual’ as ‘At Least Annual’, rather than only
yearly. Also, a proposal will not be added to the Conflict of Interest list of projects until it has been submitted for review and approval, completing the COI prior to submit for review does not complete the COI requirement for that proposal.

Flow for Kuali Research
Proposals are created in Proposal Development (PD), and once completed become an Institutional Proposal (IP). Institutional Proposals become Awards and once submitted, are sent to PeopleSoft (PS) as a PS proposal. Kuali Research Modules all relate to each other: Subawards, IRB, COI are all tied to PD, IP, and Awards.

Note – Attachments do not cross modules, they are available for viewing under the original area they were uploaded to and can be easily accessed from other modules via the Medusa link in Kuali.

What Goes into Kuali PD?
All proposals must be captured in Kuali PD as early as possible, even if there is no formal proposal process. Work as proactively as possible with ORSP on any pending contracts before anything is submitted to the sponsor, including budget and scope of work documents. No documents should be communicated to a sponsor without ORSP review and approval, even during the drafting process.

Submission Deadline
ORSP has a 5-day submission deadline – proposals must be submitted and completely routed through workflow approval in Kuali at least 5 business days prior to the sponsor due date. Until a proposal has had final review and approval, existing attachments in Kuali PD may be updated during the approval process without triggering the need to resubmit. See Attachments – Staggered Deadline for more information.

Notifications from Kuali PD
Notifications are sent automatically from Kuali PD at several different stages during the proposal entry and routing process. You also have the ability to send notifications on an ad hoc basis, this is a good way to communicate with your colleagues about specific proposals. See the Creating an Ad Hoc Notification section for details on how to send an email from Kuali.

Notifications from Kuali will include some basic information about the proposal, details regarding the specific notification purpose, and may also include navigational links. All emails sent from Kuali PD will come from email address: no-reply@kuali.co and have been set so they will not trigger the external email warning banner in Outlook.

Notification emails may also be sent from the Key Personnel section to all Key Persons, or to an individual Key Person by using the Notify buttons within Key Personnel.
Examples of emails sent automatically from Kuali:

- Upon saving a new proposal
  - Sent to: PI, ORSP, and the proposal aggregators for the lead unit
- Approver Workflow
  - Sent to approvers as their approval task comes up in the workflow
- Proposal Returned during approval process
  - Sent to proposal aggregator and all approvers that have already approved
- Proposal status changed to Submitted to Sponsor
  - For Phase I this creates the entry in the next Kuali module, Phase II this would trigger the S2S submission
  - Sent to PI/co-PI, ORSP, aggregator

Examples of a Kuali email notifications:

**New proposal created email example**

**Subject:** Proposal No. [XX] in [LEAD UNIT], PI: [PI NAME] has been created

**[EMAIL TEXT:]**

[PROPOSAL AGGREGATOR] has created a proposal in Kuali Research:

- Proposal No. [XX]
- Title: [PROPOSAL TITLE]
- PI: [PI NAME]
- Lead Unit: [DEPT ID NUMBER] – [DEPT ID DESCRIPTION]
- Sponsor: [SPONSOR NAME]
- Due Date: [PROPOSAL SPONSOR DUE DATE]

**Approval Action email example**
Subject: Kuali Research Action - Proposal - APPROVE - PI: [PI NAME] - Due Date: [DATE] - Lead Unit: [DEPT ID] - Sponsor: [SPONSOR NAME] - Title: [PROPOSAL TITLE]

Please complete the APPROVE action for [PI NAME] in Proposal for “[PROPOSAL TITLE]”
Your timely action is requested.
Failure to act when an approval is requested will stop routing.

To review the requested action: [LINK TO KUALI PROPOSAL APPROVAL]

Or, to see all actions requested: [LINK TO ACTION LIST]
and then click on the numeric Document ID: [DOCUMENT REFERENCE NUMBER] in the first column of the List.

See the Approval Notifications, and Notification History sections for more information.

Creating an Ad Hoc Notification

Ad hoc notification emails may be sent from the Key Personnel section to specific, or all Key Persons, and may also be sent from the Summary/Submit section. Emailing a contact directly from Kuali PD has the benefit of including specific proposal information for reference purposes.

Go to the Summary/Submit section using the lefthand navigation menu.

From the More Action dropdown menu, select Send Notifications
In the pop-up window, select the Employee radio button and search for the employee you wish to email. Don’t forget to search using the wildcard asterisk to aid your lookup.

Click Search for Recipients and check the box next to the correct name, then click the Add Recipients box.

A new window will pop-up where you can draft your email. You can edit the subject line and add additional recipients. Complete the body of the email in the Message box and click Send Notification to send the email.
Accessing Kuali PD and Basic Navigation

Logging in

Accessing Kuali (production environment)

Go to the ORSP UMB Website/Kuali for a link to log in – https://www.umb.edu/orsp/kuali_research
Uses single sign-on, log in using your regular UMB credentials as you would to access HR or your email.

Click the Research Home tile

Dashboard

This brings you to the Kuali Dashboard, here you will see your:

- Proposals Routing to me – Proposals that need my action
Any proposal where the logged in user is in the workflow path and has not yet approved the proposal, it will also let you know how many steps you are away from being up for reviewing and approving a proposal.

Compliance – alerts you when a proposal has a compliance component.

Proposals Not Routing – Proposal in your area that have not yet been submitted.

Shows you any of your proposals that have been initiated/saved, but have not yet been submitted into workflow.

Work in progress – Shows all your IPs, Awards, Subawards that are saved/initiated, but not finalized.

Proposal Workload Assignments – Status of all routing proposals.

Note – Items in the dashboard are in edit status, completed items are available to view using the Search tools, see the Searching Records section.

Zendesk for Dashboard Overview:
https://kuali-research.zendesk.com/hc/en-us/articles/360011575473-Dashboard-Overview

Lefthand Menu in Kuali
Kuali has a lefthand navigational menu throughout the research module.
Note – if the lefthand menu is collapsed, click the arrow at the very bottom to expand or collapse.
Searching Records

In addition to the Dashboard, Kuali also provides an ability to search records, see the Search Records link on the lefthand menu. Kuali Zendesk has an excellent guide for searching and applying custom filters here: https://kuali-research.zendesk.com/hc/en-us/articles/360029976374-Dashboard-Search-Records

Common Tasks

Click the Common Tasks in the lefthand menu.

The Common Tasks clipboard includes quick links to common actions, including All My Proposals, Create Proposal, Search Proposal, and the Action List. You can also access Protocols and COI here.
Action List

The Action List is available under the Quick Links section of the Common Tasks section of Kuali PD and includes a listing of items that need your attention. You can access your pending approvals, recent notifications, and recent actions you have taken in Kuali.

On the Action List you may click the show button to view more details for each item in your action list. You may also navigate directly to items through your action list.

Kuali Research

Action List

Action List | Outbox

<table>
<thead>
<tr>
<th>Id</th>
<th>Type</th>
<th>Title</th>
<th>Route Status</th>
<th>Action Requested</th>
</tr>
</thead>
<tbody>
<tr>
<td>p.show</td>
<td>30605 K Notification</td>
<td>Regarding your involvement in Development Proposal Ginny Test Proposal - Impersonating Caitlin McGovern</td>
<td>FINAL</td>
<td>FYI</td>
</tr>
<tr>
<td>p.show</td>
<td>30606 K Notification</td>
<td>Proposal Person Certification Completed</td>
<td>FINAL</td>
<td>FYI</td>
</tr>
<tr>
<td>p.show</td>
<td>30711 Proposal Development Document</td>
<td>Testing: Proposal No: 28; PI: David Hoff; Sponsor: NATIONAL SCIENCE FOUNDATION; Due Date: 10/31/2022</td>
<td>ENROUTE</td>
<td>APPROVE</td>
</tr>
<tr>
<td>p.show</td>
<td>30730 Proposal Development Document</td>
<td>Example Title for T: Proposal No: 32; PI: David Hoff; Sponsor: U.S. DEPARTMENT OF EDUCATION; Due Date: 11/01/2022</td>
<td>ENROUTE</td>
<td>APPROVE</td>
</tr>
<tr>
<td>p.show</td>
<td>30740 K Notification</td>
<td>Proposal Person Certification Completed</td>
<td>FINAL</td>
<td>FYI</td>
</tr>
<tr>
<td>p.show</td>
<td>30749 K Notification</td>
<td>Proposal Person Certification Completed</td>
<td>FINAL</td>
<td>FYI</td>
</tr>
</tbody>
</table>
Asterix Wildcard Lookup
In Kuali the asterisk ( * ) functions as a wildcard for looking up values. Wherever you are looking up a record (person, organization...) you can use an * to search for partial values. Place an asterisk before and/or after your partial value to search.

Examples:
- Princet* - searches for anything that starts with ‘Princet’
- *setts – searches for anything that ends with ‘setts’
- *Boston* - searches for anything that contains ‘Boston’

Copy Proposal
Kuali Proposal Development has the ability to create a new proposal through copying an existing proposal. This may be done directly from the proposal you wish to copy by clicking on Copy in the header bar, or through Search Proposal and All My Proposals accessed in Common Tasks.

Copy from the header within a proposal:

Copy from Proposal Search or All My Proposals:

You will have the option to update the lead unit and to include answers from the copied proposal questionnaire:
Create Proposal

Click the Create Proposal link under Proposal Development:

You will be brought to the Create Proposal Page, all fields here are required, once saved a proposal is initiated and a number assigned. Use the dropdown menus and lookup magnifying glasses to populate the fields or start typing and Kuali will provide predictive text.

**Lead Unit**

Once the Lead Unit is selected it cannot be changed, be sure to select the appropriate Lead Unit Department ID. This is the Department ID that will be associated with the Project once the proposal is funded. If the lead unit needs to be changed, you must copy the proposal and select the correct lead unit in the new copied version, see the [Copy Proposal](#) section for more information.

**Do not use Departments starting with B9.**

- These are high level parent Department IDs that are not typically directly associated with proposals or projects.
### Proposal Type Definitions

<table>
<thead>
<tr>
<th>Description</th>
<th>Definitions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continuation</td>
<td>Initial request for additional funding for a period subsequent to that provided by a current award.</td>
</tr>
<tr>
<td>Internal UMass</td>
<td>UMB Internal Grant Mechanism (Healey, Public Service, Proposal Development)</td>
</tr>
<tr>
<td>Letter of Intent</td>
<td>Notice to Sponsor of Intent to submit to Proposal (per FOA guidelines)</td>
</tr>
<tr>
<td>New</td>
<td>New Proposal: Submitting an application for the first time or Initial</td>
</tr>
</tbody>
</table>
**Activity Type Definitions**

Determine appropriate activity of the project: Research, Instruction or Other. These determinations guide Program Code assignments (Research B00, Instruction A00, Other C00) once your proposal is awarded and directly ties to the negotiated F&A (facilities and administration) overhead rate that will be used for your proposal.

- **Research** - all research and development activities that are sponsored by State, Federal and non-Federal agencies and organizations. This includes activities involving the training of individuals in research techniques (commonly called research training) where such activities utilize the same facilities as other research and development activities and where such activities are not included in the instruction function. [Source: 2 CFR Appendix III to Part 200]. Furthermore:
  - “Research” is defined as a systematic study directed toward fuller scientific knowledge or understanding of the subject studied.
  - “Development” is the systematic use of knowledge and understanding gained from research directed toward the production of useful materials, devices, systems, or methods, including design and development of prototypes and processes
  [Source: 2 CFR 200.1 “Research and Development (R&D)”]

- **Instruction** - sponsored instruction and training means specific instructional or training activity established by grant, contract, or cooperative agreement. Except for research training [see above], this term includes all teaching and training activities, whether they are offered for credits toward a degree or certificate or on a non-credit basis, and whether they are offered through regular
academic departments or separate divisions, such as a summer school division or an extension division. [Source: 2 CFR Appendix III to Part 200]

- **Other Sponsored Programs** - programs and projects financed by State, Federal and non-Federal agencies and organizations that involve the performance of work other than Research or Instruction. Examples of such programs and projects are health service projects, community service programs and studies, technical assistance and service programs or experiment stations. [Source: 2 CFR Appendix III to Part 200]

**Title**

When entering the title for your proposal, use care if copying and pasting to avoid extra or hidden characters and additional “carriage returns” (hitting the enter key in the middle of the title). These titles flow through our Kuali system directly into PeopleSoft and SUMMIT, special characters and extra carriage returns create significant issues with reporting.

**Sponsor**

If sponsor is not available for selection in Kuali PD, you will need to request the sponsor be added, and a temporary placeholder sponsor may be used while your new sponsor is being created in the system.

The sponsor may be added by typing the sponsor name directly in the Sponsor field and selecting from the options that populate. Note the scroll bar on the right, use that to view all options that fit the typed in text.

**Temporary Sponsor**

If a sponsor does not exist in Kuali, you may use the temporary sponsor: CHANGEME

- **Sponsor Number:** CHANGEME
- **Sponsor Name:** Complete Preproposal form and update once Sponsor is setup in Kuali/PeopleSoft

  - If adding the temporary sponsor start typing ‘changeme’ in the Sponsor field to make your selection.

This sponsor should be used until the correct sponsor becomes available for selection in Kuali. Your proposal will not be able to be submitted for review and approval until the proposal has been updated with the new sponsor.

**Requesting a New Sponsor**

A new sponsor must be requested directly out of Kuali by submitting the New Sponsor form that launches from the Preproposal Forms section of Kuali PD.

See the Preproposal Forms section for more information.
Add the PI

To add the PI, use the magnifying glass lookup tool, do not start typing text in the PI field. PIs must be added through the lookup and any text added here will populate into the wrong place in the lookup tool.

Here we are looking up a PI. Recall that in Kuali the Asterix (*) functions as a wildcard. See how the * wildcard is used to aid a search:

When you click the search button you may see multiple available values, click select on the correct value to populate the selection in your proposal.
Sponsor Deadline
Enter the deadline date, this is typically the due date specified on the proposal solicitation or otherwise defined by the sponsor. If there is no specific date, enter a reasonable date based on the proposal needs.

You may also capture the time the proposal is due, this field is not required, but is recommended if the time due is non-standard (such as 12 noon instead of 5 PM).

Sponsor Deadline Type
Here is where you capture if the deadline date is exact or not. Below are the Deadline Type definitions:

- Deadline – Firm Date
- Internal/No Submission – Internal proposals or actions that are not being submitted to a sponsor
- Rolling Submission – No Specific Due Date
- Target – Due Date is a Window (submit within a specified timeframe)

Proposal Number Assigned
Once all fields are completed, click Save and Continue:
Once saved a Proposal # is assigned and if you navigate to the dashboard, your new proposal will show in the Proposals not routing section until it is submitted.

Once a proposal is saved and a number assigned, a notification email is automatically sent to the PI, ORSP Preaward staff, as well as the aggregator. See Notifications from Kuali PD section for more information.
Close the Proposal

IMPORTANT Step to avoid the proposal being locked for other users. If at any point you are navigating away from your proposal, be sure to click the Close button. See the Proposal Locked for Editing section for additional information on those error messages.

Basics

Once saved, Kuali takes you to a Basics section where you will capture information about your proposal, if you are unsure what to enter for any of these fields, please work with your ORSP Preaward contact.

Navigate through each section to complete your proposal. The Save and Continue button brings you automatically to the next section.

Note – It is recommended to turn on Data Validations while you are entering a proposal, this will help ensure your proposal is complete and accurately captured. See the Data Validation section for more information.

Proposal Details

On the Proposal Details page, you will see the values entered previously have populated:

- Proposal Type, Activity Type, Dates, Title, and Sponsor.
- Keywords – We are not using these at this time, and this tab has been removed from the Summary/Submit section.
Prime Sponsor
A Prime Sponsor is necessary for any situation where funding is flowed through another sponsor. For instance, an NSF award to Boston University (BU) where BU then issues a subaward to UMass Boston. In this situation when setting up the proposal in Kuali, NSF is the Prime Sponsor, BU is our sponsor, and UMass Boston is the Subawardee (see screenshot below).

Prime Sponsor
• Entity that is the original source of funding, captured when the terms of the primary award flow down to any subawardees, in the example above the prime sponsor is NSF.

Sponsor
• Sponsor or Direct Sponsor is the entity awarding the funds directly to the university, in the example above, the sponsor is Boston University.

Add the Prime Sponsor for flow through funding in the Prime Sponsor field. If the Prime Sponsor is not available, please follow the Requesting a New Sponsor process.

Delivery Info
Enter Delivery Info Details
• Note – Submission Account ID is to capture the funding source for proposal submission costs, this field is not typically needed for UMB proposal submissions, leave this field blank.
Submission By
Here you will capture who will submit the proposal to the sponsor. Most often this will be ORSP, however there are some instances where due to the relationships established with the sponsor or in instances where the sponsor submission mechanism calls for it, the submitter will be the one of the other options rather than ORSP. If you are unsure which option to select, please reach out to your preaward contact.

<table>
<thead>
<tr>
<th>Submission By</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORSP</td>
<td>Preaward contact</td>
</tr>
<tr>
<td>UMass Foundation</td>
<td>For Non-profit/Foundation Flow Through UMF</td>
</tr>
<tr>
<td>Unit</td>
<td>PI or Department/Center</td>
</tr>
<tr>
<td>University Advancement</td>
<td>UMass Boston University Advancement Related Proposals</td>
</tr>
</tbody>
</table>

Submission Description
Capture submission details here, examples include:
- Via Fastlane, Submit through Grants.gov, any special relevant guidance to the proposal that is not contained in the FOA (Funding Opportunity Announcement) or is helpful to ORSP.

Sponsor & Program Information
Here you enter sponsor deadline information, identify funding opportunity information and an NSF Cage Code. Complete all applicable fields.
Notice of Opportunity
Select most appropriate notice of opportunity type from the dropdown. Note that if you select any of the federal Opportunity Types a federal sponsor should also be selected and an Opportunity ID will be required.

<table>
<thead>
<tr>
<th>Opportunity Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal Solicitation</td>
<td>Any Federal that is not SBIR/STTR</td>
</tr>
<tr>
<td>Unsolicited</td>
<td>Not related to a sponsor funding announcement</td>
</tr>
<tr>
<td>Verbal Request for Proposal</td>
<td>Unofficial solicitation, no formal announcement</td>
</tr>
<tr>
<td>SBIR Solicitation</td>
<td>Small Business Innovative Research (Federal)</td>
</tr>
<tr>
<td>STTR Solicitation</td>
<td>Small Business Technology Transfer (Federal)</td>
</tr>
<tr>
<td>Non-Federal Solicitation</td>
<td>Any other non-Federal funding announcement</td>
</tr>
<tr>
<td>Internal UMass</td>
<td>UMass Internal Solicitations</td>
</tr>
<tr>
<td>Foundation</td>
<td>Foundation Proposals</td>
</tr>
<tr>
<td>State (MA only)</td>
<td>MA State Agency Proposals</td>
</tr>
</tbody>
</table>
Opportunity ID
Unique opportunity identifier from the sponsor, examples include:
- Funding Opportunity Announcement
- Program Solicitation ID
- Program Announcement Number
- Broad Agency Announcement Identifier

If a federal Notice of Opportunity is selected (Federal, SBIR, or STTR Solicitations) an Opportunity ID is required.

Opportunity Title
Descriptive title, as required by agency and program proposal guidelines, otherwise leave blank.

Subawards Checkbox
If checked:
- Complete the Other Organizations section in Organizations and Locations, see the Other Organizations – Subrecipients/Collaborators section of this document for more information
- Uploaded required Subawardee Proposal Documentation in the Add Attachments section, see the Add Attachments section of this document for more information

Subawards are defined by the Uniform Guidance as:

An award provided by a pass-through entity to a subrecipient for the subrecipient to carry out part of a Federal award received by the pass-through entity. It does not include payments to a contractor or payments to an individual that is a beneficiary of a Federal program. A subaward may be provided through any form of legal agreement, including an agreement that the pass-through entity considers a contract.

A subaward is for the purpose of carrying out a portion of a Federal award and creates a Federal assistance relationship with the subrecipient. Characteristics which support the classification of the non-Federal entity as a subrecipient include when the non-Federal entity:

1. Determines who is eligible to receive what Federal assistance;
2. Has its performance measured in relation to whether objectives of a Federal program were met;
3. Has responsibility for programmatic decision-making;
4. Is responsible for adherence to applicable Federal program requirements specified in the Federal award; and
5. In accordance with its agreement, uses the Federal funds to carry out a program for a public purpose specified in authorizing statute, as opposed to providing goods or services for the benefit of the pass-through entity.

Sponsor Proposal ID
Sponsor’s submission module identification number, e.g. NSF Temporary Proposal ID, or Assist Application ID
Proposal aggregators should initiate their proposal in the sponsor proposal module and enter the associated proposal ID from the sponsor in this field.

**NSF Science Code**
Add the NSF Science Code categorization. This is required for all proposals, regardless of sponsor or activity type. This field is used for coding and reporting purposes.

The Higher Education Research and Development (HERD) Survey conducted by NSF is the primary source of information on separately accounted for research and development expenditures within higher education institutions in the United States and outlying areas. The NSF Science Code is an integral part of codifying that data and must be assigned to all proposals.

<table>
<thead>
<tr>
<th>NSF Science Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.01</td>
<td>Computer and Information Sciences: A.01</td>
</tr>
<tr>
<td>B.01</td>
<td>Aerospace, Aeronautical, and Astronautical Engineering - Engineering: B.01</td>
</tr>
<tr>
<td>B.02</td>
<td>Bioengineering and Biomedical Engineering - Engineering: B.02</td>
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<tr>
<td>B.03</td>
<td>Chemical Engineering - Engineering: B.03</td>
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<tr>
<td>B.04</td>
<td>Civil Engineering - Engineering: B.04</td>
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<tr>
<td>B.05</td>
<td>Electrical, Electronic, and Communications Engineering - Engineering: B.05</td>
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<tr>
<td>B.06</td>
<td>Industrial and Manufacturing Engineering - Engineering: B.06</td>
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<tr>
<td>B.07</td>
<td>Mechanical Engineering - Engineering: B.07</td>
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<td>B.08</td>
<td>Metallurgical and Materials Engineering - Engineering: B.08</td>
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<tr>
<td>B.09</td>
<td>Other Engineering - Engineering: B.09</td>
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<td>C.01</td>
<td>Atmospheric Science and Meteorology - Geosciences, Atmospheric, and Ocean Sciences: C.01</td>
</tr>
<tr>
<td>C.02</td>
<td>Geological and Earth Sciences - Geosciences, Atmospheric, and Ocean Sciences: C.02</td>
</tr>
<tr>
<td>C.03</td>
<td>Ocean Sciences and Marine Sciences - Geosciences, Atmospheric, and Ocean Sciences: C.03</td>
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<td>C.04</td>
<td>Other Geosciences, Atmospheric and Ocean Sciences - Geosciences, Atmospheric, and Ocean Sciences: C.04</td>
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<td>E.01</td>
<td>Mathematics and Statistics: E.01</td>
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<td>H.03</td>
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H.05 Other Social Sciences - Social Sciences: H.05
I.01 Other Sciences: I.01
J.03 Education - Non-S&E Fields: J.03
J.05 Law - Non-S&E Fields: J.05
J.04 Humanities - Non-S&E Fields: J.04
J.07 Visual and Performing Arts - Non-S&E Fields: J.07
J.01 Business Management and Business Administration - Non-S&E Fields: J.01
J.02 Communication and Communications Technologies - Non-S&E Fields: J.02
J.06 Social Work - Non-S&E Fields: J.06
J.08 Other Non-S&E Fields - Non-S&E Fields: J.08

NSF Science Code Examples

EXAMPLES OF DISCIPLINES UNDER EACH R&D FIELD

A. Computer and Information Sciences
   Artificial intelligence
   Computer and information technology administration and management
   Computer science
   Computer software and media applications
   Computer systems analysis
   Computer systems networking and telecommunications
   Data processing
   Information sciences, studies
   Information technology

B. Engineering
   1. Aerospace, Aeronautical, and Astronautical Engineering
      Aerodynamics
      Aerospace engineering
      Space technology
   2. Bioengineering and Biomedical Engineering
      Biological and biosystems engineering
      Biomaterials engineering
      Biomedical technology
      Medical engineering
   3. Chemical Engineering
      Biochemical engineering
      Chemical and bioorganic engineering
      Engineering chemistry
      Paper science
      Petroleum refining process
      Polymer, plastics engineering
   4. Civil Engineering
      Architectural engineering
      Construction engineering
      Engineering management, administration
      Environmental, environmental health engineering
      Geotechnical and geoenvironmental engineering
      Sanitary engineering
      Structural engineering
      Surveying engineering
      Transportation and highway engineering
      Water resources engineering
   5. Electrical, Electronic, and Communications Engineering
      Communications engineering
      Computer engineering
      Computer hardware engineering
      Computer software engineering
      Electrical and electronics engineering
      Laser and optical engineering
      Power telecommunications engineering
   6. Industrial and Manufacturing Engineering
      Industrial engineering
      Manufacturing engineering
      Operations research
      Systems engineering
   7. Mechanical Engineering
      Electromechanical engineering
      Mechatronics, robotics, and automation engineering
   8. Metallurgical and Materials Engineering
      Ceramic sciences and engineering
      Geophysical, geological engineering
      Materials engineering
      Metallurgical engineering
      Mining and mineral engineering
      Textile sciences and engineering
      Welding
   9. Other Engineering
      Agricultural engineering
      Engineering design
      Engineering mechanics, physics, and science
      Engineering physics
      Engineering science
      Forest engineering
      Nanotechnology
      Naval architecture and marine engineering
      Nuclear engineering
      Ocean engineering
      Petroleum engineering
      Other engineering fields that cannot be classified using the fields listed above
C. Geosciences, Atmospheric Sciences, and Ocean Sciences

1. Atmospheric Science and Meteorology
   - Aeronomy
   - Atmospheric chemistry and climatology
   - Atmospheric physics and dynamics
   - Extraterrestrial atmospheres
   - Meteorology
   - Solar
   - Weather modification

2. Geological and Earth Sciences
   - Earth and planetary sciences
   - Geochemistry
   - Geodesy and gravity
   - Geology
   - Geomagnetism
   - Geophysics and seismology
   - Hydrology and water resources
   - Mineralogy and petrology
   - Paleomagnetism
   - Paleontology
   - Physical geography
   - Stratigraphy and sedimentation
   - Surveying

3. Ocean Sciences and Marine Sciences
   - Biological oceanography
   - Geological oceanography
   - Marine biology
   - Marine oceanography
   - Marine sciences
   - Oceanography, chemical and physical

4. Other Geosciences, Atmospheric Sciences, and Ocean Sciences
   - Other fields that cannot be classified using the fields listed above

D. Life Sciences

1. Agricultural Sciences
   - Agricultural business and management
   - Agricultural chemistry
   - Agricultural engineering—report in Engineering
   - Agricultural production operations
   - Animal sciences
   - Applied horticulture and horticultural business services
   - Aquaculture
   - Food science and technology
   - International agriculture
   - Plant sciences
   - Soil sciences
   - Veterinary biomedical and clinical sciences
   - Veterinary medicine
   - Wood science

2. Biological and Biomedical Sciences
   - Allergies and immunology
   - Biochemistry, biophysics, and molecular biology
   - Biogeography
   - Biology and biomedical sciences, general
   - Biomatics, bioinformatics, and computational biology
   - Biotechnology
   - Botany and plant biology
   - Cell, cellular biology, and anatomical sciences
   - Epidemiology, ecology and population biology
   - Foods, nutrition, and wellness studies
   - Genetics
   - Microbiological sciences and immunology
   - Molecular medicine
   - Neurobiology and neuroscience
   - Pharmacology and toxicology
   - Physiology, pathology and related sciences
   - Zoology, animal biology

3. Health Sciences
   - Advanced, graduate dentistry and oral sciences
   - Allied health and medical assisting services
   - Bioethics, medical ethics
   - Clinical medicine research
   - Clinical/medical laboratory sciences/research and allied professions
   - Communication disorders sciences and services
   - Dentistry
   - Dietetics and clinical nutrition services
   - Health and medical administrative services
   - Health, medical preparatory programs
   - Gerontology, health sciences
   - Kinesiology and exercise sciences
   - Medical clinical science, graduate medical studies
   - Medical illustration and informatics
   - Medicine
   - Mental health
   - Nursing
   - Optometry
   - Osteopathic medicine, osteopathy
   - Pharmacy, pharmaceutical sciences, and administration
   - Podiatric medicine, podiatry
   - Public health
   - Radiological science

E. Mathematics and Statistics

- Applied mathematics
- Mathematics
- Statistics

Registered nursing, nursing administration, nursing research and clinical nursing
Rehabilitation and therapeutic professions
Zoology

4. Natural Resources and Conservation
   - Fishing and fisheries sciences and management
   - Forestry
   - Natural resources conservation and research
   - Natural resources management and policy
   - Renewable natural resources
   - Wildlife and wetlands science and management

5. Other Life Sciences
   - Other life sciences that cannot be classified using the fields listed above
### F. Physical Sciences

1. Astronomy and Astrophysics
   - Astronomy
   - Astrophysics
   - Planetary astronomy and science

2. Chemistry
   - Analytical chemistry
   - Chemical physics
   - Environmental chemistry
   - Forensic chemistry
   - Inorganic chemistry
   - Organic chemistry
   - Organometallic chemistry
   - Physical chemistry
   - Polymer chemistry
   - Theoretical chemistry

3. Materials Science
   - Materials chemistry
   - Materials science

4. Physics
   - Acoustics
   - Atomic, molecular physics
   - Condensed matter and materials physics
   - Elementary particle physics
   - Mathematical physics
   - Nuclear physics
   - Optics, optical sciences
   - Plasma, high-temperature physics
   - Theoretical physics

5. Other Physical Sciences
   - Other physical sciences that cannot be classified using the fields listed above

### G. Psychology

- Clinical psychology
- Counseling and applied psychology
- Human development
- Research and experimental psychology

### H. Social Sciences

1. Anthropology
   - Cultural anthropology
   - Medical anthropology
   - Physical and biological anthropology

2. Economics
   - Agricultural economics
   - Applied economics
   - Business development
   - Development economics and international development
   - Econometrics and quantitative economics
   - Industrial economics
   - International economics
   - Labor economics
   - Managerial economics
   - Natural resources economics
   - Public finance and fiscal policy

3. Political Science and Government
   - Comparative government
   - Government
   - Legal systems
   - Political economy
   - Political science
   - Political theory

4. Sociology, Demography, and Population Studies
   - Comparative and historical sociology
   - Complex organizations
   - Cultural and social structure
   - Demography and population studies
   - Group interactions
   - Rural sociology
   - Social problems and welfare theory
   - Sociology

5. Other Social Sciences
   - Archeology
   - Area, ethnic, cultural, gender, and group studies
   - Cartography
   - Criminal science and corrections
   - Criminology
   - Geography
   - Gerontology, social sciences
   - History and philosophy of science and technology
   - International relations and national security studies
   - Linguistics
   - Public policy analysis
   - Regional studies
   - Urban studies, affairs

### I. Other Sciences

Use this category for R&D that involves at least one S&E field (rows A–H) if it is impossible to report multidisciplinary or interdisciplinary R&D expenditures in specific fields.
Anticipated Award Type
Review announcement and select the most appropriate option from the dropdown menu (see descriptions below to aid your determinations).

<table>
<thead>
<tr>
<th>Award Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Trial</td>
<td>An award for a research study in which one or more human subjects are prospectively assigned to one or more interventions (which may include placebo or other control) to evaluate the effects of those interventions on health-related biomedical or behavioral outcomes.</td>
</tr>
<tr>
<td>Contract</td>
<td>Contracts (including direct or prime contracts and subcontracts) - Contracts are legal commitments in which a good or service is provided by your institution that benefits the sponsor. The sponsor specifies the deliverables and gains the rights to results.</td>
</tr>
<tr>
<td>Cooperative Agreement</td>
<td>Is used to enter into a relationship the principal purpose of which is to transfer anything of value to carry out a public purpose, and not to acquire property or services. It is distinguished from a grant in that it provides for substantial involvement of the sponsor in carrying out the activity.</td>
</tr>
<tr>
<td>Core Facilities Agreement</td>
<td>An agreement relating to services available from the university's Core Facilities</td>
</tr>
<tr>
<td>Equipment Grant</td>
<td>Grants where the purpose is to fund the purchase or fabrication of equipment</td>
</tr>
<tr>
<td>Fellowship</td>
<td>Fellowship awards fund students’ travel and living expenses as they perform research, teaching, or service during their undergraduate and graduate years.</td>
</tr>
<tr>
<td>Foreign Contract</td>
<td>Foreign contractor means a contractor or subcontractor organized or existing under the laws of a country other than the United States.</td>
</tr>
<tr>
<td>-----------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Grant</td>
<td>Grants, reimbursements, and all other agreements include all other agreements in which payments are received but no good or service other than periodic reporting is required in exchange.</td>
</tr>
<tr>
<td>IPA</td>
<td>An IPA (Intergovernmental Personnel Act) agreement is a temporary assignment of personnel between the Federal Government and the university</td>
</tr>
<tr>
<td>Membership</td>
<td>An agreement between the university and another entity that has entered into a membership arrangement with the university, typically includes pricing and terms and conditions.</td>
</tr>
<tr>
<td>Other Transaction Agreement</td>
<td>Transactional agreements not otherwise defined in this list</td>
</tr>
<tr>
<td>SBIR</td>
<td>Small Business Innovation Research (SBIR). An SBIR funding agreement is a contract, grant, or cooperative agreement entered into between an SBIR participating Federal Agency and a small business for the performance of research, experimental, or developmental work funded by the Federal Government</td>
</tr>
<tr>
<td>STTR</td>
<td>Small Business Technology Transfer (STTR). An STTR funding agreement is a contract, grant, or cooperative agreement entered into between an STTR participating Federal Agency and a small business for the performance of research, experimental, or developmental work funded by the Federal Government</td>
</tr>
<tr>
<td>Subaward</td>
<td>Any sub received by UMB that is on a prime grant, federal/nonprofit. Subaward provided by a pass-through entity to a subrecipient for the subrecipient to carry out part of a Federal grant award received by the pass-through entity</td>
</tr>
<tr>
<td>SubContract</td>
<td>Any sub received by UMB that is on a prime contract (not a grant). Subcontract means any contract, as defined in FAR subpart 2.1, entered into by a subcontractor to furnish supplies or services for performance of the prime contract or a subcontract</td>
</tr>
<tr>
<td>Task Order</td>
<td>A contract that does not procure or specify a firm quantity of services (other than a minimum or maximum quantity) and that provides for the issuance of orders for the performance of tasks during the period of the contract</td>
</tr>
<tr>
<td>Training Grant</td>
<td>Grants where the purpose is to develop or enhance training opportunities for individuals</td>
</tr>
</tbody>
</table>

**Agency Routing Identifier**

Enter the agency routing identifier as required by agency and program proposal guidelines, otherwise leave blank
Prev Grants.Gov Tracking ID
Enter the Previous Grants.gov Tracking ID as required by agency and program proposal guidelines, otherwise leave blank.

ALN Assistance Listing Number
(Previously referred to as CFDA Number)
If identified within the funding announcement or solicitation the ALN can be added now, otherwise leave blank.

Note – ALN has a red asterisk that indicates it is a required field, this is misleading, this field is not required at this stage.

If the ALN is available, follow the steps below:
Click the magnifying glass icon to lookup the ALN

Enter the ALN and click Search at the bottom.
Click the Select button.

Then click the Add button
Here we see the ALN added to the proposal. Click save and continue.

Organization & Locations
Most sponsored program work will be performed on campus. If your proposal involves work performed offsite, you will capture that information here. You will also record any subrecipients on your proposal in this section.

See below for what should be included in each section.

Applicant Organization
Will always be UMB in this context

Performing Organization
The Performing Organization defaults to UMB, if the project effort will take place predominantly off campus (rare) add that organization here. This distinction will also guide the appropriate F&A rate that is assigned according to our negotiated agreement (see the ORSP PI Toolkit for more information).

On-Campus or Off-Campus
- The Performance Organization is typically going to be UMass Boston.
  - On-Campus – UMass Boston owned or rented facility.
- The performing organization is not a UMass Boston location
  - Off-Campus – enter that organization here (this should be rare).
- See ORSP Website for additional information regarding on and off campus designations.

Performance Site Location
The Performance Site Location is for instances where the project effort will take place predominantly at a location that is not directly associated with an organization, like on the ocean. Otherwise, this section may be left blank.

Other Organizations – Subrecipients/Collaborators
Add organizations that will be Subrecipients or Collaborators in the Other Organizations section of Organizations & Locations.
If adding a subrecipient, be sure to upload the following required documentation in the attachments section:

Subawardee Proposal Documentation

- Sub Commitment Form or Letter of Intent
- Subaward Detailed Budget
- Budget Justification Narrative
- Statement/Scope of Work
- Other Required Proposal Documentation

Note – Other Organizations do not flow through to other Kuali modules, often these details change by the time a proposal is awarded.

If you cannot find the organization you are looking for, submit a New Organization Request form. Those are launched from the Preproposal Forms section of Kuali PD.

Adding Organizations

Click the Add Organization button

Search by Name, remember you can use the asterisk * as a wildcard while searching. Click Search.
Select the correct organization, you may adjust the number of entries shown in your view. Click the checkbox next to the organization and click the return selected button at the bottom.

<table>
<thead>
<tr>
<th>Organization Id</th>
<th>Organization Name</th>
<th>Federal Employer Id</th>
<th>Congressional District</th>
<th>Contact Address Id</th>
<th>DUNS Number</th>
<th>DUNS Plus Four Number</th>
<th>ULE</th>
<th>Human Sub Assurance</th>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Showing 1 to 1 of 1 entries
Requesting a New Organization
A new organization must be requested directly out of Kuali by submitting the New Organization form that launches from the Preproposal Forms section of Kuali PD.

See the Preproposal Forms section for more information.

Key Personnel
Here you will add and manage the Key Personnel for your proposal. Note – Do not enter department contacts here. Some department personnel are already included in access granted to them at the Department ID level for Kuali PD. For other Kuali Research modules, department contacts are entered by ORSP once the proposal is funded.

PIs and co-PIs on each proposal automatically have the ability to view and edit that proposal. See Access section for information on how to add additional individuals you wish to grant access to your proposal.

Note the Certification Incomplete and Project Status associated with each Key Person. These indicate if their Certifications are complete and if they have updated their Annual Disclosure status in Kuali Conflict of Interest. Notifications are also sent from Kuali alerting PIs and co-PIs of the requirement to update the COI, see the Conflict of Interest section under Roles and Responsibilities in Kuali PD above for more information.

Click the arrow next to the Key Person’s name to view the subtabs.
Below is a quick reference of what is entered in each section for Key Personnel, screenshots and more details are listed in each subsection within this section.

- Details tab is where the NSF ID and eRA Commons User ID are captured
  - NIH Applications require an eRA commons ID for PIs
  - NSF Applications require an NSF ID for PIs and co-PIs
- Organization tab shows the home department and is where Effort is captured
- Unit Details tab is where the Key Person home Department is shown
  - Be sure to remove any department IDs that should not be associated with the proposal, any listed pulls additional approvers into the approval workflow routing.
  - You can add additional departments that should be in the workflow, this should be rare as most departments are drawn in as the home department for each key person added or are already included as the Lead Unit.
- Proposal Person Certifications can be viewed, and checkboxes completed here

**Adding a Key Person**
Click the Add Personnel button

Select Employee, we are currently only adding UMB employees as Key Personnel. Search using the asterisk wildcard and click Continue.
Select the correct person from the results and click Continue.

Select the appropriate role for the Key Person and click Add Person, then save.
The workflow approval routing will be updated to include approvers from the co-PI’s home department and the co-PI will be added as additional approver at the PI/co-PI level. ORSP suggests sending a notification to the PI and co-PI that the co-PI has been added to the proposal.

Details
Details tab is where the NSF ID and eRA Commons User ID are captured

Organization – Effort
Effort is entered under the Organization tab. Be sure to add any required effort commitments here, this will come through and eventually be fed into the effort certification system ECC.

Unit Details
The Key Person’s home department is populated here. If a person is associated with more than one department, you may see multiple departments listed. If the proposal is related to just one of those, you may delete the department that is not the lead. Any department listed here triggers the workflow approvals for that department. A person must always have at least one unit associated with their record, you cannot delete a unit if there is not already another unit present. See the Adding a Unit section below for information on how to add a unit.
Adding a Unit
You may need to add a unit that is associated with an investigator but does not automatically pull in on their record. Click the Lookup/Add Multiple Lines link:

Once the correct unit has been added, you can then delete any unit that is not associated with this proposal.

Person Training Details
This shows the CITI training an individual has completed, if the individuals CITI profile has been linked to UMB

Certifications
Proposal Person Certifications can be viewed, and checkboxes completed here.
- Certifications must be completed by all PIs and co-PIs
- The Notify button sends an email with a link directly to a certification page
- Certifications must be completed prior to the PI and co-PI completing their approvals
  - PIs and co-PIs may complete their certifications during their approval step
- Key Personnel other than PIs and co-PIs do not need to certify
  - Do not turn on certifications for these Key Persons
- See the Summary and Submit section for more information
Credit Allocation

This confirms the intellectual credit allocation and the percentage of F&A to be returned for this specific funding, this takes the place of the MOU for credit percentages for proposals that have Co-Investigators.

- Approving a proposal also approves the F&A and Credit Allocation as captured. See Workflow Approvals section.
- Be sure to enter the correct F&A and Intellectual Credit percentages for each person.
  - Investigator totals must equal 100 for both F&A and Intellectual
- The Departments associated with each person must have 100 entered for each category.
PI and co-PI MOU
The PI and co-PI Memorandum of Understanding has been replaced by the Credit Allocation and roles and responsibilities assignments captured in the Supplemental Information sections. See the Supplemental Information Tab section for more information.

PI and co-PI approvals also approve the credit allocation, F&A distribution, and the roles and responsibilities as laid out in Kuali PD.

F&A Distribution
F&A is dispersed via RTF (Research Trust Funds) at to the college level and is distributed down by the colleges unless other arrangements have been made within a specific college. Colleges are responsible for and manage the RTF distribution process. Approving a proposal is agreeing to the distribution as captured in Kuali PD. ORSP provides the information to colleges as captured in our systems, and colleges use this information to inform their annual distributions, so it is important to ensure this is captured correctly at the outset.

Questionnaire
Complete each question in the Questionnaire. Click the i hyperlink for question explanations.

For sections that include additional information that is incomplete or not yet available, answer as best you can with as much detail as is currently known. All questions must be answered prior to submission for review.
Preproposal Forms

Preproposal Forms is where Build, Kuali’s forms creator tool, is available to launch from Kuali PD.

- Forms currently available
  - New Sponsor Request Form
  - New Organization Request Form

Navigate to Preproposal Forms and click + Add Form

Select the form you need to complete from the options available to you, and you will be directed into Kuali Build to fill out the form.

Compliance

Here is where you capture compliance related Protocol details (IRB/IACUC) by clicking Add Compliance Entry. If you have a compliance identifier from an entry in Kuali Protocols, include that information here as well.
Add Proposal to Protocol
Once you have initiated your proposal, be sure to update your protocol information with the proposal number. See the Kuali IRB User Manual linked on the ORSP website under Research Committees, Applying to the IRB.

Add Attachments
Add attachments as needed for each area, click the +Add button for single attachment uploading, the Upload & Add button for uploading multiple attachments at a time, or you may simply drag and drop attachments.

Complete the attachment details, choose the file, and save.

Note – files with spaces instead of underscores may create warning messages. Be sure to follow any file naming convention requirements as defined by agency and program proposal guidelines.

- Proposal – Application/Proposal attachments, as required by agency and program proposal guidelines
  - Subaward budgets are attached here (ORSP budgets are attached in the Internal section)
- Personnel – These attachments are specific to the proposal personnel
  - Examples include biosketch and current & pending support
- Abstracts – This is for system to system (S2S) which is part of our Phase II rollout
  - We are not using this section at this time
- Internal – UMB required proposal attachments and approval documentation such as:
  - Required Internal Approval Documentation
    - Cost Share, F&A Waivers
  - ORSP Budget Workbook
    - Awards that will have multiple projects; attach multiple ORSP Budget Workbooks, be sure to identify the purpose for each in the description.
- Note - Participant support costs should always be tracked in a separate project
  - Sub awardee Proposal Documentation
    - Subrecipient Commitment Form or the Letter of Intent (for FDP organizations)
    - Subaward Detailed Budget
    - Budget Justification Narrative
    - Statement/Scope of Work
    - Other Required Proposal Documentation
  - See the Subawards Checkbox section for more information
- Notes – Users should leave this blank, we are not using Notes on the Attachments

**Attachment Statuses**
Attachments have statuses to indicate if they are complete or still in process (incomplete). All attachments must be completed in line with our staggered proposal deadline process.
Attachments – Staggered Deadline

Until a proposal has had final review and approval by ORSP, certain existing attachments in Kuali PD may be updated during the approval process without triggering the need to resubmit, see Attachment Matrix for Staggered Deadlines section below. New attachments cannot be added once a proposal has been submitted into workflow approval routing.

All attachments MUST be set to Complete status prior to ORSP Final Approval.

Attachments – Updating Files

To update an attachment file that has been uploaded, click the details button.

Click the Browse button to upload the new attachment file, then save.
# Attachment Matrix for Staggered Deadlines

<table>
<thead>
<tr>
<th>Attachment Tab</th>
<th>Attachment Label</th>
<th>Attachment Status</th>
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<tbody>
<tr>
<td>Proposal</td>
<td>Narrative</td>
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<td></td>
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<td></td>
<td>PHS_ResPlan_ResearchDesignMethods</td>
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<td>PHS_ResearchPlan_DataAndSafetyMonitoringPlan</td>
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</tr>
</tbody>
</table>

* (attach subaward budgets to “Subawardee Proposal Documents”)

**Personnel**
## Biosketch

- Complete / Incomplete: Complete
- Complete: Complete

## Budget Details

- Complete / Incomplete: Complete
- Complete: Complete

## Current Pending

- Complete / Incomplete: Complete
- Complete: Complete

## NSF Collaborator

- Complete / Incomplete: Complete
- Complete: Complete

## Other

- Complete / Incomplete: Complete
- Complete: Complete

## Statement of Commitment

- Complete / Incomplete: Complete
- Complete: Complete

## Internal

<table>
<thead>
<tr>
<th>ORSP Budget Workbook</th>
<th>Complete / Incomplete</th>
<th>Complete</th>
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<tbody>
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<td></td>
<td></td>
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</tbody>
</table>

## Subawardee Proposal Documentation*

- Sub Commitment Form or Letter of Intent
- Subaward Detailed Budget
- Budget Justification Narrative
- Statement/Scope of Work
- Other Required Proposal Documentation

- Complete / Incomplete: Complete
- Complete: Complete

## Cost Share Request Form

- Complete / Incomplete: Complete
- Complete: Complete

## Indirect Waiver Approval

- Complete / Incomplete: Complete
- Complete: Complete

## Fabricated Equipment Approval Form

- Complete / Incomplete: Complete
- Complete: Complete

### Updated Proposal Attachment Notification

Replaced Attachments trigger an Ad Hoc notification, users must click the Send Notifications button to notify approvers who have already approved the proposal, the proposal aggregator, and ORSP of the file change.
Budget
Click the +Add Budget button

Enter a Budget Name (this is a required field).
Click the Start a summary budget radio button – UMB will only be adding summary budgets at this stage.
Modular Budget Yes or No – We are not using this functionality at this time, select No (this is a required field).
Click Create Budget

Fields with dashed underlines may be edited.
Enter at least the Direct and F&A Costs, if your proposal involves Cost Sharing or Unrecovered F&A, add those totals here as well. Cost Share and Unrecovered F&A must be allocated in a future step, see the Institutional Commitments sections.

See ORSP Website, Research Policies for:
- Cost Sharing
- Facilities and Administration (F&A) Rate Policy for grants and contract proposals to external sponsors

Cost Limits - leave these blank.

Budget periods are automatically added for multi-year proposals. If needed, you may create additional budget periods by clicking the +Add Budget Period button and you may adjust the Budget Period dates as long as the total period of performance is accounted for and there is no overlap.

Click Recalculate and the Total Sponsor Cost will populate
Navigate to Budget Summary, review and save, or if ready click the Complete Budget button.

Cost Share
If your proposal has cost share, you must add the cost share to the budget and allocate that cost share to the source (ST and Dept ID). As noted previously, upload the Cost Share form in the Add Attachments section.

Below is where the Cost Share amount is added to the budget:
Unrecovered F&A

Unrecovered F&A (indirect costs) is the difference between the amount charged to the award for F&A and the amount which could have been charged to the award under our approved negotiated indirect cost rate. This amount is captured in the FY24 ORSP Budget Workbook. Add that to the Unrecovered F&A section seen next to Cost Share pictured above. Unrecovered F&A must be allocated, see the Institutional Commitments section.

Institutional Commitments

Here is where you allocate the Cost Share and Unrecovered F&A

Allocating Cost Share

Note – do not use the lookup feature for the cost share source account, it is not tied to anything, you need to type in the ST or description.

- Source Account – Type in the SpeedType (ST) from the Cost Share approval form, if there is no ST due to the cost share type, ie in kind, type a short descriptor of the Cost Share – e.g. In Kind Space or Waived F&A.
- Unit Details – This would be the Department ID of the source account based on the ST being used for the Cost Share, or if it is In Kind Cost Share, use the Lead Dept ID Number.

Here is the Cost Share before completing the fields, this shows what to enter where-

Here is the Cost Share fully allocated-
Allocating Unrecovered F&A

Unrecovered F&A - If your proposal has a waived F&A Rate, complete these entries to allocate the Unrecovered F&A. Upload the Waived F&A form or documentation for sponsor limited F&A in the Add Attachments section.

- Multiple lines will appear for on and off campus F&A rate, delete any lines that are not applicable to your proposal.
- Complete the Source Account information and Amounts for each line.
  - Source Account – either n/a or note cost share if using for the waived F&A for cost share.
  - Amounts – enter the amount for each budget period, total should match the unallocated amount at the bottom when completed, then once saved the unallocated amount will be $0.

Here is the Unrecovered F&A before deleting the unnecessary lines and adding the allocation-

Here is the Unrecovered F&A fully allocated-
Budget Summary

The budget summary shows you the budget as you have entered it, if everything looks correct, complete the budget. This is a multi-period budget:

Complete the Budget

Check the checkbox if the budget is complete, then click OK

1 budget must be complete and marked as Submit to Sponsor prior to submitting the proposal into approval routing.
Note – Once you complete the budget clicking Close at the bottom of the page will close your proposal and send you back to the Dashboard. Alternatively, you can follow the breadcrumbs at the top of the page to navigate back to the proposal or click the Return to proposal button above Periods & Totals.

Here is a budget that is set to status Complete and is marked for submission to the sponsor:

**Editing a Completed Budget**

You can edit a budget that has been marked as complete and submit to sponsor. To do so, you need to uncheck the submit to sponsor and mark the budget as incomplete. It will then be available to edit.

Under Actions, select Remove from Submission:
Then under Actions again, select Mark Budget Incomplete:

![Actions](image)

You will see a confirmation message appear, click OK

![Confirmation Message](image)

You can now click into the budget to make any changes necessary. Be sure to mark the budget complete and submit to sponsor when you are done.

**Extra Budgets**

Only 1 budget may be marked as Include for Submission and there is no delete option for budgets once they are created.

If you create a budget in Kuali Proposal Development that you do not need, only mark one as complete and include for submission. It is OK to have multiple incomplete budgets, the only one that will show for proposal approvers is the one marked complete and included for submission to sponsor.

**Access**

Here you may add additional editors/viewers to your proposal. Need for this should be rare as individuals will be added as PIs or co-PIs, are already included in access granted to them at the Department ID level, and ORSP automatically has access.

Note – Only key personnel will carry over into IP and Awards
Click the Add User button, search and select the person you would like to add to your proposal.

Identify what role is most appropriate for this proposal and your needs. See Kuali Zendesk for information on the different roles that can be assigned via the Access section. https://kuali-research.zendesk.com/hc/en-us/articles/115011806167-Proposal-Access-Tab-Roles

Supplemental Information
The Supplemental Information section is a customizable area where UMass Boston can capture details that are needed for any additional information or reporting and categorizing of proposals that is not otherwise addressed in Kuali’s delivered functionality.

There are tabs within this section for the following areas:
- UMB Central Business Unit
- University Advancement - UA
- PI and co-PI Responsibilities

UMB Central Business Unit
Answer this yes if the CBU assisted you with this proposal. Answer no if they did not.
University Advancement - UA

University Advancement (UA) is the division of the university responsible for soliciting, processing, acknowledging, accounting for, and reporting philanthropic support in the form of gifts to the university from individuals, corporations, foundations, and other private sector sources. UA invests and protects these gifts until the university needs them, maintains the university’s central records for private donors and their contributions, and provides services for identifying and researching current and prospective donors. In accordance with IRS regulations and good donor relations, UA acknowledges all gifts in writing. The professional staff of UA coordinates all gift solicitations. See the ORSP website, Research Policies, Grants vs. Gifts for more information.

Definition of a Gift

Gift (or donation)—a gift is a voluntary transfer of money, property (e.g., equipment), or other assets (e.g., personnel time and skill) made with donative intent and without any expectation of or receipt of direct economic benefit or any other tangible compensation (i.e., goods and services) from the university. There is no quid pro quo that is commensurate with the worth of the gift, and the donor does not participate in determining how the gift is used. The gift may, however, be restricted to broadly defined activities or a specific program area or purpose (e.g., fund a scholarship, endow a professorship, establish a research center, construct a building). The recipient of the gift is responsible for using the funds received through the gift for the general purposes specified by the donor.

The following questions in the Supplemental Info area of Kuali PD are intended to capture UA’s involvement in the proposal and if the proposal is funded, whether that funding is expected to be in the form of a gift.
PI and co-PI Responsibilities

Here is where you will capture the roles and responsibilities for the PI and co-PI(s) assigned to this proposal. This takes the place of the second page of the PI/co-PI MOU document.

Text boxes will be present, one for the PI and one each for all co-PIs. Click the + sign to add additional text boxes as needed for multiple co-PIs. Include at least the following information and anything else needed for this proposal. Text: Specify the programmatic, administrative, financial management, and compliance responsibilities that the PI and each co-PI will be assigned.

- In the co-PI text box, be sure to include the co-PI name to differentiate responsibilities between multiple co-PIs.
- Investigator approval of a proposal also approves the Supplemental Information detailing the understanding of the roles and responsibilities for the PI and co-PI(s). See the Approval and Credit Allocation sections.

Please note that there is an overall character limit of 4,000 characters for the whole page, not each individual text box, if you are having trouble saving you may have run up against that character limit.
Summary/Submit
Once your proposal is complete, you can submit it for review. This kicks off Data Validations (if they were not turned on manually) and the Approver Workflow. All proposal details are captured in the Summary/Submit section, navigate through each tab to verify everything is captured correctly prior to submitting for review.

The PI and any co-PIs may complete their certifications during their review and approval step, see the Certifications and Approver Guide sections for more information.

Zendesk article on the Summary and Submit Section

Cancelling or Deleting a Proposal
Cancelling and Deleting options (if available based on your permissions). Once a proposal is submitted for review in the workflow the delete button is no longer available. Once deleted, a proposal is gone and cannot be recovered. Canceled proposals may be recovered.
Once you have doubled checked your proposal by reviewing all the details in the tabs within the Summary and Submit section, click the Submit for Review button.

**Data Validation**

Kuali has a data validation process that will run automatically when you submit a proposal for review. Data validation may also be conducted at any point by clicking the Data Validation link in the top navigation bar.

Consider turning this on early in your proposal entry process to help guide you in creating a complete proposal.

Click the Turn On button
Data Validation - Errors
You may see messages like this:

<table>
<thead>
<tr>
<th>Area</th>
<th>Suction</th>
<th>Description</th>
<th>Severity</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Budget</td>
<td></td>
<td>The budget is incomplete. Please update the status.</td>
<td>Error</td>
<td>Fix It</td>
</tr>
<tr>
<td>Questionnaire</td>
<td>Proposal Questions</td>
<td>You must complete the questionnaire “Proposal Questions”</td>
<td>Error</td>
<td>Fix It</td>
</tr>
</tbody>
</table>

This is showing that the budget status is incomplete, and that questionnaire must be completed. Click the Fix It links to navigate directly to the areas where there are errors and take whatever action is needed to correct the error, then resubmit.

Data Validation - Warnings
You may see a warning messages, warnings will not stop a proposal from moving forward. Take any corrective action you can to ensure your proposal is as complete as possible and continue.

Note – files with spaces instead of underscores may create warning messages. Be sure to follow any file naming convention requirements as defined by agency and program proposal guidelines.

Workflow Approvals
Submit for Review kicks off Workflow Approvals. If more than one department is associated with a proposal, there will be approval workflows for each of those departments in addition to the lead department.
Future Approval Requests
Once you submit for review, you may see a message asking if you want to receive future approval requests. If you as the submitter also appear in a future workflow stop - clicking yes will require you to approve again at that future stop, whereas, clicking no will save your approval and you will not need to approve again.

View Route Log
Note the View Route Log link. This is where you can view the workflow approval routing established for this proposal. Workflow approval routing is automatically defined by the information captured within the proposal including PI and co-PI, and the Department IDs associated with the proposal.

You can view the status of each approval step in the routing log as well as the order of the upcoming approvers. Click the View Route Log link.

Prior to submitting for review the route log looks like this:
Note there are multiple sections in the Route Log.

- The top section provides proposal details.
- The Actions Taken section shows what steps have been taken to date.
- The Pending Actions Requests shows who is up for the next action.
- The Future Action Requests shows the rest of the routing actions beyond the pending ones.

Scroll down using the side scroll bar and click on the show button to view the Future Action Requests.

Click the show button for each individual approval line to view additional details.
The Priority section shows you at what stage each approval occurs, priority levels that have the same number are simultaneous. Earlier actions have lower priority numbers.

Routing Steps
Proposals are routed through workflow in the following order:
1. ORSP Preaward Contact
2. PI/co-PI
3. Financial/Research Manager for each Department ID associated to the proposal
4. Chair/Director (or equivalent) for each Department ID associated to the proposal
5. Dean (or equivalent) for each Department ID associated to the proposal
6. ORSP Preaward Contact

Additional workflow approval steps may exist depending on the hierarchy setup for your area. If an approver fills multiple roles within a specific workflow, as noted previously, they may opt to approve once for all steps they are responsible for.

Approval Notifications
When a Proposal is submitted for review, or an approval stop in the route log is completed, a Notification is sent to all users listed in the next level of the route log. The notification includes several details about the proposal in the subject line of the email. If the user clicks on the Document# link, they will be taken immediately to the Summary/Submit screen of the Proposal and can complete their review. If they click on the Action List link, they will be taken to their Action List and can see a list of all items that are pending their review. See the Action List section for more information.

See the Notifications from Kuali PD sections for more information.

Zendesk Article on the PD Approval Process:
Recall a Proposal

Once a proposal has been submitted for review, the aggregator and the PI have the ability to recall the proposal for additional editing. This action can be taken in the Summary and Submit section of the proposal. As part of the recall action, you must enter a reason for the action in the confirmation window that appears. Once recalled, the proposal will once again populate in your Proposals not routing tile in the Dashboard any may be edited.

Note – additional approvers in the workflow do not have the ability to recall a proposal.

Return a Proposal

If the proposal requires substantial corrections Approvers can use the return action to reopen the proposal for additional edits by the PI or aggregator. As part of the return action, you must enter a reason for the action in the confirmation window that appears. Once returned, all of the proposal details, narratives, and budget can be fully edited by the aggregator and then resubmitted into the approval routing workflow for submission.

Attachments may be replaced by new files during the approval process without returning the proposal, new attachments may not be added unless a proposal is returned or recalled.

Note – All approvers have the ability to return a proposal they are reviewing for approval.

Submit to Sponsor

Submit to Sponsor is a specific process within Kuali PD that migrates a proposal from Kuali PD to Kuali IP, this function is completed by ORSP Preaward.

Once a proposal is submitted to sponsor an Institutional Proposal is automatically created and the following message will appear at the top of the Summary/Submit page:

Notifications History

This is a listing of all notifications relating to the proposal that have been sent by the system.
Proposals Locked for Editing

It is very important to use the Close button when exiting a proposal you are viewing or editing. If you do not use the Close button, the proposal will be locked for editing and will not be accessible by other team members for updating. A proposal that has been locked for editing must be released by the owner of the lock or by a system administrator.

The error message may look like this:

To clear this error the lock owner can open the proposal and click the Close button at the bottom of the screen.

To exit, click the Close button to exit.

Approver Views and Information
As aggregators, you may be asked about the approval process by the approvers you work with. The information below is a quick summary and view of what your approvers may see or encounter as part of their approval steps.

Please refer to the full Approver Guide for more details.

PI and co-PI Approving
PIs and co-PIs must be directed to fully review all details of their proposals, the tabs within the Summary/Submit section provide all the proposal details in one easy to view area. PIs and co-PIs should work with their proposal aggregator to make any needed changes, note that some changes require the proposal be returned or recalled, see the Return a Proposal and Recall a Proposal sections for more information.

PIs and co-PIs must also complete their certifications and update their COI, see the Certifications and Conflict of Interest sections.

PI and co-PI Approver View
This is what PIs and co-PIs see when they log in to approve.
Data Validation Errors while Approving
Your PIs and co-PIs may see the message below when they click the approve button. Direct them to click the Data Validation link to view and correct the validation errors. For PIs and co-PIs this message will show if they have not completed their certifications. See the Data Validation and Certifications section for more information.

Here is view of the Data Validation error the PIs and co-PIs will see when they click the Data Validation link, clicking on the Fix It link brings the PI or co-PI to the certification page to certify. See the Data Validation and Certifications section for more information.

Additional Approver Review
Once the PI and co-PIs have approved, the proposal will continue in the workflow routing. See the Workflow Approvals section for more information. The view for additional approvers is the same as what the PI and co-PI see when they approve.

Delegate Approvers
Delegates are alternate approvers that have the ability to approve if an assigned approver is unavailable. Delegates should only approve if the assigned approver is legitimately unavailable to review and approve a proposal, for instance if they are on vacation or unexpectedly out of the office without access to university systems. Note – Investigators must approve any proposal they are associated with.

If you are a delegate, proposals you have access to approve will populate on your Dashboard on the Proposals routing to me tile, with the tag Alternate as pictured below:
Approve Action

Approving once the proposal has been fully reviewed is easy, direct your approvers to click the approve button in the Summary/Submit section.

Note – it is extremely important that all approvers take the time to fully review all proposals prior to approving.