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Exchange Services
Validations for Grants.gov Components Version

5.2
December 27, 2012

Document History

Document Location

Ensure that this document is current. Printed documents and locally copied files may become obsolete due to changes to the master document. The source of this document is located in the ClearCase repository at: ***<path>***.

Revision History

Version Number	Revision Date	Author	Summary of Changes
4.2.1	01/04/2010	Catherine Fishman	eSubmission Exchange Services Streamlined (Thursday Jan 21, 2010) Update of error severity and message texts of the following validations: 16.1.4 Update of message texts of the following validations: 1.1.3, 1.1.5, 1.7.1a, 1.7.1b, 1.7.3, 1.7.4, 1.7.5, 1.7.14, 1.22.2 Update to error severity of the following validations (temporary changes for ARRA Revisions): 4.2.5, 14.3.1
	01/08/2010	Catherine Fishman	201004 Release Updated Fellowship form elements names and message texts (validations 18.36.1, 18.40.1) to 'Current or Prior Kirschstein-NRSA support'
	01/20/2010	Catherine Fishman	201004 Release Remove exemption of DP1 to Vertebrate Animals validation on Other Project Information.
4.2.2	01/22/2010	Catherine Fishman	Out Of Cycle Release (Feb 25/2010) Added KM1to current K12 validations rules
	01/25/2010	Catherine Fishman	Updated 1.8.3 to (Minimum Validations)
	01/27/2010	Catherine Fishman	201004 Release Update to validations 3.1.2, 3.1.3, 3.6.1 text messages to remove item numbering
4.2.3	02/02/2010	Catherine Fishman	eSubmission Exchange Services Streamline (Monday Feb 8, 2010) SF424 Cover - Update to multiple validaitons texts to remove numbering of items (rules 1.8.1, 1.8.3, 1.24.1, 1.25.1, 1.30.2) Other Project Info - Update to multiple validations texts to remove numbering of items (rules 3.1.4, 3.1.5, 3.3.1, 3.5.1, 3.6.2, 3.7.1, 3.8.1, 3.8.3, 3.9.1, 3.9.3, 3.13.1, 3.14.1, 3.14.6)
	02/05/2010	Catherine Fishman	201004 Release R15 Budget period validations update from warning to error (existing rules 5.0.9 and 12.0.5)
	02/18/2010	Catherine Fishman	201004 Release Clarification to rule 18.36.1 added after code review
	02/26/2010	Catherine Fishman	5.4.1 and 12.1.1 error severity has been updated from Error to Warning to reflect current Production code FastTrack 12.0.4 error severity has been updated to from Error to Warning for temporary ARRA change
	03/08/2010	Catherine Fishman	Clarification to rule 1.33.1 (added DBOTH: Other Double Degree Program as valid selection) 16.1.2 error severity has been updated from Error to Warning to reflect current Production code

Version Number	Revision Date	Author	Summary of Changes
	03/18/2010	Catherine Fishman	201004 Release Addition of CQ 71855: Create a validation error if application.xml document cannot be persisted to the database because of special characters
4.3	03/19/2010	Catherine Fishman	201007 Release Iteration 1 Implementation of new VA Career Development new validations and update to existing I01 validations
	03/30/2010	Catherine Fishman	Addition and updates to align with current eSubmission code: Added missing from document rule 0.1.3 in section: Attachment Validations Updated rules 1.14, 1.25.8, 1.36.3 message texts Corrected element place of rule 5.41.1
	03/30/2010	Catherine Fishman	eSubmission Exchange Services Streamlined (Thursday April 1, 2010) - 73635 Rules 1.23.2, 10.12.3, 16.1.4, 18.27.1 message updates
	04/12/2010	Catherine Fishman	201007 Release Iteration 1 Update to VA rules 3.18.26 and 3.18.27 to add specific activity codes to the page limits rules
	04/12/2010	Catherine Fishman	201007 Release Iteration 2 Updated existing validations, added new validations and removed existing validations for DP1 and DP2 mechanisms Added VA rule for Senior/Key form to not allow multiple PD/PI for IK mechanisms
	05/05/2010	Catherine Fishman	201007 Iteration 1 Update The following rules will be split and renumbered due to messages being different based on Budget type of Project vs. Subaward. The message for the Subawards will include the 'Organization Name" 5.4.1, 5.4.2, 5.6.2, 5.9.1, 5.9.2, 5.9.3, 5.10.1
	05/11/2010	Catherine Fishman	201007 Iteration 2 Update Message for new rule1.59.1 has been updated
4.4	06/15/2010	Catherine Fishman	Remove All 'Adobe-Forms-A' specific validations as no longer used for NIH application template packages
	06/15/2010	Catherine Fishman	Updated rules 5.4.2 and 12.1.2 to warnings to reflect current production code Added STTR exemption to rules 5.6.2 and 5.6.2.1 to reflect current production code
	06/29/2010	Catherine Fishman	Updated rules 5.6.2 and 5.6.2.1 to apply to For first senior/key person with Project Role of PD/PI to reflect current production code
4.5	07/09/2010	Catherine Fishman	201010 Release Updated existing validations, added new validations and removed existing validations for Fellowship Supplemental Form, Career Development Award Form and Training Program Plan Form Update to Contact Person email validations on the SF424 Cover Update Commercialization Plan page limit on the SBIR/STTR Form Updated current attachments validations and RR Budget Senior/Key Calendar/academic month's validations to reflect new Grants.nih.gov web site hyperlink. Update to multiple existing validations to process U01 like an R01
	07/27/2010	Catherine Fishman	Update to standard validation message text form SBIR/STTR Commercialization Plan page limit Update validation and message text for Human Subject Indefinite and Vertebrate Animals Use Indefinite on the Fellowship Form
	10/22/2010	Catherine Fishman	Updated rule 7.15.3 message to remove activity codes list.

Version Number	Revision Date	Author	Summary of Changes
4.6	10/28/2010	Catherine Fishman	201102 Release Update to Resubmission rules and implementation of time limitation DUNs validation to be enforced at application level to be 9 or 13 digits only Implementation of new VA activity codes IP1, I50, I21, IK6, validations rules Update to existing VA validations rules for new attachment names
	11/15/2010	Catherine Fishman	Added new DUNS format validation rule number
	11/16/2010	Catherine Fishman	Updated messages for VA to correct Form Name Updated message for rule 0.1.6 to remove word 'dashes'
	12/01/2010	Catherine Fishman	eSubmission Streamlined (12/16/2010) Update to multiple validations messages text for consistency across. CQ 81987, 81988, 81991
	12/01/2010	Catherine Fishman	201102 Release Iteration 2 Addition of K and T validations updates K form attachments 2-4 are now limited to 12 pages and attachment 5 is now limited to 1 page T form attachments 2-4 are now limited to 25 pages and attachment 5 is now limited to 3 pages
	12/07/2010	Catherine Fishman	eSubmission Streamlined (12/16/2010) Update to multiple validations messages text and downgrade to warning for Career Development page limits CQ 82285
	12/27/2010	Sheri Cummins	Updated 17.7.3, 17.8.2, 17.9.2 and 17.10.2 for CQ82832.
	12/30/2010	Alina Khazmutdinova	Added 1.25.9 rule for Type 6/7 applications
	01/31/2011	Catherine Fishman	201102 Release Iteration 2 Updates Update to Error Severity and message texts for rules 17.6.2 (CQ 80868) and 19.5.2 (CQ 80872)
	02/07/2011	Alina Khazmutdinova	Updated 5.0.2 for CQ 84450 to exclude Type 3, 6 and 7 from this validation rule.
	02/08/2011	Catherine Fishman	eSubmission Streamlined (02/08/2011) Update to Error Severity and message texts for rules 17.7.3, 17.8.2, 17.9.2, 17.10.2 for Career development Form (CQERA00084591)
	03/04/2011	Catherine Fishman	eSubmission Streamlined (03/07/2011) Update to Error Severity and message texts for rules 3.16.1 and 3.17.2 for Other Project Information (CQERA00085612)
4.7	03/07/2011	Catherine Fishman	201105 eSubmission Release The Responsible Conduct of Research attachment on the Career Dev Form to be validated with error at 1 page and on the Training form to be validated with error at 3 pages (CQ 84310 and 84312)
4.8	03/22/2011	Donna Howell	Updated rule 1.25.9 to accommodate Type 3 admin supplement electronic intake (CQ86331)
	03/22/2011	Donna Howell	Updated rule 1.25.9 to accommodate Type 3 admin supplement electronic intake (CQ86331)
	03/22/2011	Catherine Fishman	201107 Release addition: (CQs 88872, 88873) PHS398 Research Plan- Specific Aims - update existing rule 15.3.12 to exclude X02 PHS398 Research Plan - Specific Aims - New warning for X02
4.9	06/28/2011	Catherine Fishman	201110 eSubmission Release Remove DP1 validations for SF424 Cover- Total Federal Funds Requested (1.43.6 and 1.44.5)

Version Number	Revision Date	Author	Summary of Changes
5.0	09/08/2011	Catherine Fishman	201201 eSubmission Release Iteration 1 • For multiple error message texts (amended applications) to be removed or replaced with (resubmission) (competing continuations) to be removed or replaced with (renewal) (for supplements) to be removed or replaced with (revision) • Update to validations message texts for rule 1.25.6 and 1.30.2 • Remove S10 exclusion to rule 15.2.1 • Revert rules 5.0.5 and 12.0.4 from Warning to Error • Exclude revision type of application from existing rule 1.1.3 • Introduction should not be attached to Career Dev Award form or Training Program Plan form if application type is New or Renewal (new rules)
5.1	02/14/2012	Catherine Fishman	eSubmission Streamline (2/16/2012) • Downgrade of rules 5.0.5 and 12.0.4 and error message texts (to allow revisions to come in) • Update to error message text only for rule 1.7.6 (to accommodate change of IC from NCRR existing grants)
5.2	09/28/2012	Catherine Fishman	EAPU - Exchange Services Jan 2013 Release • Remove X02 existing validations and instead implement X02 to be processed with minimum validations • Added activity codes RF1 and UF1 to existing validations: 1.33.4, 5.0.9, 12.0.5 and created 2 new validations: 5.20.11, 5.20.12
5.2	10/02/2012	Catherine Fishman	EAPU - Exchange Services Jan 2013 Release • Added release CQ numbers
5.2	12/27/2012	Catherine Fishman	CQERA00111254: Relaxing Validation on Project End Date for Administrative Supplements (Type30 and Competitive Revisions

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Special Processing Considerations

Truncated Items:
Where items are truncated, grant image should display value as submitted through grants.gov, unless otherwise indicated. (Minimum Validations)

Trimming Spaces:
For all validations where a comparison is being made on text entry (or dropdown) fields against the eRA database, trim spaces at the end before making the comparison. (Minimum Validations)

Special Characters:
Validation error to fire if application .xml document cannot be persisted to the database because of special characters. (Minimum Validations)
If an application has special characters, the following error should be returned: "The Application submitted contains special characters not supported by NIH. To avoid this issue, do not cut/paste from word processing documents into form fields. Please directly type the information in the form for the following field(s) and submit the application again: <-Filed name and text to be inserted for each occurrence of special characters.'

CQ 71517
Rule 0.1.6 - DUNS numbers:
Validation to apply to all forms containing a DUNS number present in the package downloaded. If DUNS provided on any forms has any invalid characters (meaning other than 9 or 13 digits) after stripping of dashes, provide error: 'The DUNs number for <insert form name > contains invalid characters (DUNS should be 9 or 13 digits; no letters or special characters).' (Minimum Validations)

Validations at Schema Level

The implementation of some validation requirements may be done at the schema level rather than at the application validation level. The validation requirement does not change; however, in some cases, the error message may be different. The error messages in this table apply only in those cases where the validation is done at the application validation level. (Minimum Validations)

Attachment Validations

A validation needs to be done on all attachments (including appendices) to make sure they are in .pdf format.

Rule 0.1.2
If an attachment is not in .pdf format, the following error should be returned: "The <attachment> attachment is not in PDF format, or the filename is invalid. All attachments must be provided to the agency in PDF format, filenames must be included with no special characters (including brackets), and a .pdf extension must be used. Filenames will be accepted if they include spaces, hyphens, or underlines." (Minimum Validations)

Rule 0.1.1
If an attachment is empty (0 bytes), the following error should be returned: "The <attachment> attachment was empty. PDF attachments cannot be empty attachments. Please submit a changed/corrected application with the correct PDF attachment." (Minimum Validations)

Rule 0.1.5
If editable PDFs are included, the Exchange software should 'flatten' the PDF so that it can be processed. If Exchange Services detects that the flattening process did not work, the following error should be returned: "The <attachment> attachment contained formatting or features not currently supported by NIH. Help with PDF attachments can be found at http://grants.nih.gov/grants/ElectronicReceipt/pdf_guidelines.htm . (Minimum Validations)

Rule 0.1.3:
If a PDF with editable fields has been included, the following error should be returned: “The <attachment> attachment has editable fields. PDF attachments must not include editable fields. Help with PDF attachments can be found at http://grants.nih.gov/grants/ElectronicReceipt/pdf_guidelines.htm. (Minimum Validations)

Rule 0.1.4:
If a PDF with password protection has been included, the following error should be returned: “The <attachment> attachment has password protection. PDF attachments must not include password protection. Help with PDF attachments can be found at http://grants.nih.gov/grants/ElectronicReceipt/pdf_guidelines.htm. (Minimum Validations)

No specific rule #
If there is a processing error on an attachment (other than errors listed here), the following error should be returned: “There was a processing error on page <page number> of the <attachment> attachment. This prevented successful processing of the application. Please contact the eRA Help Desk for assistance.” (Minimum Validations)

No specific rule #
For attachments, the software should detect the page width and height. If the page size is greater than 11 x 11 inches or less than 8.5 x 8.5 inches, the software should change the page size from the actual size to 8.5 x 11 inches. (Minimum Validations)

Limited Validations and Opting Out

For some mechanisms, there are a set of limited validations that will apply to all PAs and PASs, and to any PARs and RFAs that don’t ‘opt out’. Limited validations have been indicated where applicable below by ‘LV’.
The ‘opt out’ indicator will need to be added for each announcement stored in the database, defaulting to ‘opt in’. For now, data will be updated manually to set the indicator for specific records to ‘opt out’; eventually, this will become part of the Receipt and Referral RFA/PA Maintenance screen.
If an announcement is ‘opt out’, *none* of the limited validations for the corresponding mechanism will be performed for applications submitted in response to that announcement. However, PARs and RFAs that opt out of the limited validations will get a generic warning message if they exceed the threshold for the corresponding validation. In each case, the specific generic message is included in the table below.
PARs and RFAs that opt out of the limited validations are still subject to the validations that have not been identified as limited validations.

Identifying a Combined Mechanism

A Combined Mechanism identifier needs to be added to the information for each announcement stored in the database. This will be used to identify any allowable pairs of mechanisms for an announcement. The identifier can be used in conjunction with the activity code to indicate which combined mechanism is being represented. For now, the only allowable pair that will be identified with the identifier is R21/R33; an activity code of R21 plus this indicator will indicate a combined R21/R33.

Identifying Small Business Type

An indicator for whether an announcement is an SBIR or an STTR needs to be added to the information for each small business announcement stored in the database.

Minimum Validations For Specific Mechanisms

Other Agency mechanisms that have not transitioned for NIH will be subject to a set of minimum validations, identified as ‘Minimum Validations’ in the validations listed below and in the processing sections above. This set of minimum validations may also apply to NIH mechanisms for which applications are being submitted through Grants.Gov but that have not gone through a full transition. The affected mechanisms are to be found in a property file.

Identifying Types of Career Awards

Career Awards (Ks) fall into three main groups: mentored, independent, and training. An indicator needs to be added to the information stored for each activity code to identify which type of Career Award is represented by the activity.

Form Version

Form version numbering has been added to identify elements or validations introduced, updated, or removed depending on the version of the form.

Application Template

Application Template has been added to identify elements or validations introduced, updated, or removed depending on the version of the template.

SF424 (R&R)

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
SF 424 (R&R)	Type of Submission (Pre-App, Changed App)	1.1.1		Y	N	E	For non-X02 submissions, do not accept 'Pre-application' as submission type (Minimum Validations)	Pre-application' (SF 424 RR cover page, Type of Submission) is not a recognized submission type for these applications		
~~SF 424 (R&R)~~	~~Type of Submission (Pre-App, Changed App)~~	~~1.1.2~~		~~N~~	~~N~~	~~E~~	~~For X02 submissions, do not accept 'Application' as submission type~~	~~Application' is not a recognized submission type for X02 applications. Please select 'pre-Application' as the type of submission on the SF 424 RR Cover page.~~	Remove validation	CQERA00108430
SF 424 (R&R)	Type of Submission (Pre-App, Changed App)	1.1.3		Y	N	E	Do not accept 'Application' submission type if there is an associated prior successful submission. Exclude Revision Type of Application. Find associated prior submission by matching on PI Commons account, institution, and project title for the same council round. (Minimum Validations)	This application is a duplicate of a previous submission for the same council round. If this submission is in response to error(s)/warning(s), submit again using the 'Changed/Corrected Application' Type of Submission on the SF 424 RR cover page. If submitting to NIH, follow		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
								the NIH duplicate submission policy: NOT-OD-09-100.		
~~SF 424 (R&R)~~	~~Type of Submission (Pre-App, Changed App)~~	~~1.1.4~~		~~N~~	~~N~~	~~E~~	~~Do not accept X02 pre-application submission type if there is an associated prior submission. Find associated prior submission by matching on PI Commons account, institution, and project title for the same council round.~~	~~This application is a duplicate of a previous submission for the same council round. Please submit again using the 'Changed/Corrected Application' Type of Submission on the SF 424 RR cover page.~~	Validation removed	CQERA00108431
SF 424 (R&R)	Type of Submission (Pre-App, Changed App)	1.1.5		Y	N	E	Do not accept changed/corrected application if the original application has been verified. (Minimum Validations)	Your application has already been submitted for processing by NIH staff. Please contact the Scientific Review Officer (SRO) for permission to submit corrections or supplemental material. Contact information for the SRO may be found on the Commons Status page. Note that some opportunities prohibit post-submission supplemental material.		
SF 424 (R&R)	Type of Submission (Pre-App, Changed App)	1.1.6		Y	N	E	Do not accept changed/corrected application if the PI, DUNS, Project Title, and council round are a duplicate of another application and the opportunity ID is not the same as that of the other application. (Minimum Validations)	This application is a duplicate of a previous submission for the same council round, but in response to a different announcement.		
SF 424 (R&R)	Date Submitted	1.2.1		N	N	W	If Phase II SBIR/STTR, and Phase I identified as NIH grant, provide warning if date submitted is more than 2 years after Phase I project	Phase II SBIR/STTR applications should be submitted within 6 receipt dates after the expiration of the Phase I budget.		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							period end date			
SF 424 (R&R)	Applicant Identifier	1.3								
SF 424 (R&R)	Date Received	1.4								
SF 424 (R&R)	State Applications Identifier	1.5								
SF 424 (R&R)	Date Received by Grants.gov	1.6								
SF 424 (R&R)	Federal Identifier	1.7.1a		Y	N	E	If a resubmission or renewal, this component is mandatory (Minimum Validations)	For resubmissions and renewals the Federal Identifier must be included. Please include only the IC and serial number of the prior grant number in the Federal Identifier field on the SF 424 RR Cover page (e.g., use CA987654 extracted from full Grant number 1R01CA987654-A1).	A prior application is considered withdrawn if the appl status code for the application falls within appl status group 'W' (in appl_statuses_t), *unless* the appl status code is 30. The prior grant for a resubmission is only within the same support year as the most recent prior application. Any prior grants with earlier support years are not considered part of the validations.	
SF 424 (R&R)	Federal Identifier	1.7.1b		Y	N	E	If a revision, this component is mandatory (Minimum Validations)	For revisions, the Federal Identifier must be included. Please include the IC and serial number of the parent grant number in the Federal Identifier field on the SF 424 RR Cover page (e.g., use CA987654 extracted from full		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
								Grant number 1R01CA987654-A1).		
SF 424 (R&R)	Federal Identifier	1.7.2		N	N	E	If a new Phase II SBIR/STTR, this component is mandatory	For Phase II SBIR/STTR submissions, the Federal Identifier must be included. Please include the IC and serial number of the prior grant number in the Federal Identifier field on the SF 424 RR Cover page (e.g., use CA987654 extracted from full Grant number 1R01CA987654-A1).		
SF 424 (R&R)	Federal Identifier	1.7.3		N	N	E	If a renewal Phase II SBIR/STTR, this component is mandatory	For Phase II SBIR/STTR submissions, the Federal Identifier must be included. Please include the IC and serial number of the prior grant number in the Federal Identifier field on the SF 424 RR Cover page (e.g., use CA987654 extracted from full Grant number 1R01CA987654-A1).		
SF 424 (R&R)	Federal Identifier	1.7.4		N	N	W	If Phase II SBIR/STTR, and Phase I grant number is found in NIH database, provide warning if Phase I grant has not been awarded.	Phase II SBIR/STTR applications may be submitted only if the Phase I grant has been awarded.		
SF 424 (R&R)	Federal Identifier	1.7.5		Y	N	E	If a resubmission, revision, or renewal, or a new Phase II SBIR/STTR, components of grant number must be 'parsable' Components are <application_type> <mechanism> <institute> <serial number>-<support	Federal Identifier format (SF 424 RR Cover page) is not valid. Please include only the IC and serial number of the prior grant number (e.g., use CA987654 extracted from full Grant number 1R01CA987654-A1).		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							year><suffix code) (example: 1R01GM072828-01A1) Application Type is a one digit number Mechanism is a letter followed by a two digit number Institute (IC) consists of two characters Serial number is a number that has been assigned sequentially within an IC (must be followed by a dash) Support year is anywhere from 1 to 99 Suffix code will start with an 'A' or an 'S' At least the IC and serial number must be included (Minimum Validations)			
SF 424 (R&R)	Federal Identifier	1.7.6		Y	N	E	If a resubmission, revision, or renewal, or a new Phase II SBIR/STTR, the prior grant number must exist in the NIH system. Matching is performed against Major Activity Code, Institute/Center and Serial Number. In cases where the major activity code of the prior is 'U', matching is performed only on IC and serial number (Minimum Validations)	The Federal Identifier that you have entered (SF424 RR Cover page) is not a grant number that has been previously assigned. If there has been a change in the assignment number because of a change in primary institute since the last competing submission, the most recent number must be used.		
SF 424 (R&R)	Federal Identifier	1.7.7		Y	N	E	If a resubmission, revision, or renewal, or a new Phase II SBIR/STTR, mandatory components are IC and serial number. (Minimum Validations)	You must include the <missing component> of the prior grant in the Federal Identifier field on the SF 424 RR Cover Page.		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
SF 424 (R&R)	Federal Identifier	1.7.8		Y	N	W E	If PIChangeIndicator not set, check if PI on this submission has same Commons Account as PI assigned to the prior grant. If not, provide warning if last name of PI on prior grant matches last name for PI on current application. Provide error if Commons Account doesn't match and last name of PI on prior grant doesn't match last name for PI on current application. Ignore case, spaces, and punctuation on match. K applications are exempt from these validations (both error and warning).	The prior grant entered as the Federal Identifier (SF 424 RR Cover page) is not associated with the eRA Commons account for this PI. If this application involves a change of PI, please indicate 'Change of PI' on the PHS 398 Checklist page. If this is not a change of PI, this application will be received by the agency, but may be returned after internal processing. The prior grant that has been entered as the Federal Identifier (SF 424 RR Cover page) is not associated with this PI. If this application involves a change of PI, please indicate 'Change of PI' on the PHS 398 Checklist.		
SF 424 (R&R)	Federal Identifier	1.7.9		Y	N	E	For a resubmission, a summary statement must have been released for the prior grant, unless the prior grant has been withdrawn without a summary statement.(Minimum Validations)	A resubmission cannot be submitted until the Summary Statement for the previous application has been released by the agency.		
SF 424 (R&R)	Federal Identifier	1.7.10		Y	N	E	For a resubmission, the prior grant must not have been awarded, unless it has been identified as interim funding. (Minimum Validations)	A resubmission cannot be submitted if a prior version in the same support year has been awarded.		
SF 424 (R&R)	Federal Identifier	1.7.11		N	N	W	For an **NIH** resubmission, if the prior grant suffix code=**A1** , display a warning	NIH policy limits the number of resubmission applications that may be submitted. This application may be returned		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
								after internal processing if additional Resubmissions are not within policy.. See NOT-OD-10-080: Enhancing Peer Review: Clarification of Resubmission Policy and Determination of New Application Status		
SF 424 (R&R)	Federal Identifier	1.7.13		N	N	E	For an NIH resubmission, prior grant suffix code must not ='A2'	This application has exceeded the number of resubmissions permitted and cannot be accepted.		
SF 424 (R&R)	Federal Identifier	1.7.14		Y	N	E	For a revision, the parent grant must be awarded. (Minimum Validations)	The parent grant for a revision must be awarded. ~~The entire proposed project period on the SF424 Cover of this Revision application must be within the Awarded Project Period.~~	Update to error message text	CQERA00111254
SF 424 (R&R)	Federal Identifier	1.7.15		N	N		Ignore entries in this field for a DP1, DP2 or DP3 application.			
SF 424 (R&R)	Federal Identifier	1.7.16		N	N	W	For resubmissions, renewals, and revisions, provide a warning if the activity code of the prior grant doesn't match the activity code of the announcement. SBIR/STTR, R21/R33, and R33 are exempted from this validation.	The mechanism (activity code) of the prior submission (referenced by the Federal Identifier on the SF 424 RR Cover page) does not match the mechanism of the Funding Opportunity Announcement (FOA), <activity code>. Please check the Federal Identifier provided for your application to ensure you are including the correct prior information and the FOA to ensure you are submitting to the correct opportunity. This application will be processed but there may be a delay in referral.		
SF	Federal	1.7.17		N	N	W	For a 'Phase II' SBIR/STTR,	The mechanism (activity	These need to be	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
424 (R&R)	Identifier						validations on parsing Federal Identifier, requiring IC and serial number, and identifying the number as existing in the NIH system are *warnings* only.	code) of the prior submission (referenced by the Federal Identifier on the SF 424 RR Cover page) does not match the mechanism of the Funding Opportunity Announcement (FOA), <activity code>. Please check the Federal Identifier provided for your application to ensure you are including the correct prior information and the FOA to ensure you are submitting to the correct opportunity. This application will be processed but there may be a delay in referral.	warnings, since it is possible to submit a phase II application where the phase I was funded externally (or funded as an NIH contract, not a grant).	
SF 424 (R&R)	Federal Identifier	1.7.18		N	N	W	For Non NIH applications: For a resubmission, if the prior grant suffix code=A1 or A2, display a warning	Some funding agencies limit the number of Resubmission applications that may be submitted. This application may be returned after internal processing if additional Resubmissions are not within policy.		
SF 424 (R&R)	Federal Identifier	1.7.19		N	N	E	For an **NIH** Resubmission, if the prior Grant suffix code = A0 or A1 and resubmission created date is more than 40 months from prior grant created date, provide Error	NIH policy limits receipt of resubmissions to no more than 37 months after the receipt date of the prior grant. See: NOT-OD-10-140: New Time Limit for NIH Resubmission Applications		
SF 424 (R&R)	Federal Identifier	1.7.20		Y	N	W	For revision type of application, provide a warning if the application end date is greater than parent grant end date. (Minimum Validations)	Unless specifically allowed in the FOA, the entire proposed project period must be within the awarded parent grant project period	New Validation	CQERA00111254
SF 424	Agency Routing	1.59.1	V1_2 Adobe	N	N	E	For a DP1 and DP2 applications, provide error if	The Agency Routing Identifier must be supplied on the	Field is added with form V1_2	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
(R&R)	Number		Forms B				the Agency Routing Identifier is blank.	SF424 RR cover page for this opportunity. Please check announcement for details.		
SF 424 (R&R)	Applicant Information, Organizational DUNS	1.8.1		Y	N	E	Must match DUNS recorded for IPF in Commons. Validate the leftmost 9 characters only, discarding any characters submitted in places 10-13. For comparison purposes, treat trailing zeroes after leftmost 9 characters as blanks. (Minimum Validations)	The DUNS number you have provided in the SF 424 RR Cover page Applicant Information section does not match the number in the eRA Commons profile for your organization. The SO/AOR should make sure the correct DUNS number has been entered in the eRA Commons. Instructions on editing institutional profiles are available at https://commons.era.nih.gov/commons-help/189.htm.	If application is from domestic institution of higher education, set appls_t.external_org_WIP_flag='Y'; if not, set appls_t.external_org_WIP_flag='N'. Domestic institution: country_seq_num in external_org_addresses_t =231 (for the external_org_id where addr_type_code='MLG'). Higher education: external_orgs_t.org_type_code=10.	
SF 424 (R&R)	Applicant Information, Organizational DUNS	1.8.2		N	N	W	For a revision, provide a warning if it doesn't represent the same organization as the parent grant.	The parent grant may be associated with a different organization (based on the Organization DUNS provided on the SF 424 RR Cover page). Revisions should only be submitted for the same organization as the parent grant. This application will be accepted by the agency, but may be delayed in the peer review process.		
SF 424 (R&R)	Applicant Information, Organizational DUNS	1.8.3		N	N	E	Organization must not be 'closed' in IMPAC II database. (Minimum Validations)	The DUNS number that you have provided in the SF 424 RR Cover page Applicant Information section matches an organization in the eRA Commons that is no longer recognized as an active organization. Be sure that the DUNS number on your application matches the	Find closed records in external_orgs_t with a record_status_code of 'C'.	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
								DUNS number used in both Grants.gov and the eRA Commons.		
SF 424 (R&R)	Applicant Information, Legal Name	1.9							Display in grant image as submitted; store in database as reflected in IPF associated with PI Commons account and org. DUNS. Long-term, change length in eRA db to 120 characters.	
SF 424 (R&R)	Applicant Information, Department	1.10								
SF 424 (R&R)	Applicant Information, Division	1.11								
SF 424 (R&R)	Applicant Information, Street 1 and 2	1.12.1		Y			If either line>50 characters, truncate. (Minimum Validations)		Long-term change eRA db to 55 chars.	
SF 424 (R&R)	Applicant Information, City	1.13								
SF 424 (R&R)	Applicant Information, County/Parish	1.14								
SF 424 (R&R)	Applicant Information, State	1.15.1		Y	N	E	Required if country is US. (Minimum Validations)	The Applicant Information State on the SF 424 RR Cover page must be supplied for US addresses.		
SF 424 (R&R)	Applicant Information, State	1.15.2		Y	N	E	If country not US must be blank. (Minimum Validations)	The Applicant Information State on the SF 424 RR Cover page should be blank for all countries other than		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
								the United States.		
SF 424 (R&R)	Applicant Information, State	1.15.3		Y	N	E	Transform to 2 char. abbreviation before validating and storing. If state name can't be transformed, give error. (Minimum Validations)	The Applicant Information State on the SF 424 RR Cover page is not a valid state name.		
SF 424 (R&R)	Applicant Information, Province	1.16.1		Y	N	E	Required if country is Canada. (Minimum Validations)	The Applicant Information Province on the SF 424 RR Cover page must be supplied for Canadian addresses.	Province should be mapped into same database location as state.	
SF 424 (R&R)	Applicant Information, Province	1.16.2		Y	N	E	If country not Canada must be blank. (Minimum Validations)	The Applicant Information Province on the SF 424 RR Cover page should be blank for all countries other than Canada.		
SF 424 (R&R)	Applicant Information, Province	1.16.3		Y	N	E	Transform to 2 char. abbreviation before validating and storing. If province name can't be transformed, give error. (Minimum Validations)	The Applicant Information Province on the SF 424 RR Cover page is not a valid province name.		
SF 424 (R&R)	Applicant Information, Zip Code	1.17.1		Y	N	E	Required if country is US. (Minimum Validations)	The Applicant Information Zip Code on the SF 424 RR Cover page was not entered.	Long-term, change in eRA db to 13 characters	
SF 424 (R&R)	Applicant Information, Zip Code	1.17.2		Y	N	E	Must be 5 or 9 numeric digits if country is US. (Minimum Validations)	The Applicant Information Zip Code on the SF 424 RR Cover page must be entered in 5-digit or 9 digit format.		
SF 424 (R&R)	Applicant Information, Zip Code	1.17.3		Y			For country other than US, if >9 characters, truncate (remove any dashes before truncating). (Minimum Validations)			
SF 424 (R&R)	Applicant Information, Country	1.18.1		N	N	W	For an R13 application (activity code on funding opportunity = 'R13' or 'U13'), provide a warning if	The Applicant Organization for a Conference Grant should be located in the US. This application will be		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							country is not US	accepted by the agency, but may be delayed in the peer review process.		
SF 424 (R&R)	Applicant Informatio n, Country	1.18.2		N	N	E	For an R15 application (activity code on funding opportunity = 'R15') return an error if country is not US	The Applicant Organization for an AREA Grant must be located in the US.		
SF 424 (R&R)	Applicant Informatio n, Country	1.18.3		N	N	E	For an SC1, SC2, SC3, S10, S11, S21, S22, DP2, C06, UC6, G08, G20, or K application, return an error if country is not US	The Applicant Organization for this application must be located in the US.		
SF 424 (R&R)	Applicant Informatio n, Country	1.18.3.1		N	N	E	For an application in response to a VA announcement, return an error if country is not US	The Applicant Organization for this application must be located in the US.		
SF 424 (R&R)	Applicant Informatio n, Country	1.18.4		N	Y	W	For an R25 (LV) application, return a warning if country is not US	The Applicant Organization for this application is usually located in the US. This application will be accepted by the agency, but may be delayed in the peer review process to determine the eligibility of a foreign Applicant Organization.		
SF 424 (R&R)	Applicant Informatio n, Country	1.18.5		N	Y	W	For an R18 (LV) or U18 (LV) application, return a warning if country is not US	The Applicant Organization for this application should be located in the US. This application will be accepted by the agency, but may be delayed in the peer review process.		
SF 424 (R&R)	Applicant Informatio n, Country	1.18.6		N	N	E	Must be a valid ISO 3166-1 alpha-3 country code.	The Applicant Information country code provided (<Country>) on the SF 424 RR Cover page is not a valid ISO 3166-1 alpha-3 country code.		
SF 424	Applicant Informatio	1.18.7		N	N	E	For all T applications (major activity code 'T') K12 and	The Applicant Organization for this application must be		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
(R&R)	n, Country						KM1 applications, return an error if country is not US	located in the US.		
SF 424 (R&R)	Person to be Contacted	1.19.1		Y	N		If the combination of all items in this component is more than 30 characters, truncate. Display in grant image as submitted. (Minimum Validations)		Long-term, change in eRA db for Contact Name to accommodate the way it is submitted through grants.gov.	
SF 424 (R&R)	Person to be Contacted, Phone Number	1.20		N	N					
SF 424 (R&R)	Person to be Contacted, Fax Number	1.21		N	N					
SF 424 (R&R)	Person to be Contacted, e-mail	1.22.1		N	N	W	If e-mail is not provided, display Warning	The e-mail address for the Person to Be Contacted, listed on the SF 424 RR Cover page was not included. The AOR email address also provided on the SF 424 RR cover page will be used instead.	Update mapping document: Map AOR email to external_org_addresses_t. email_addr if Contact person email is not populated in the application.	
SF 424 (R&R)	Person to be Contacted, e-mail	1.22.2		N	N	W	Must contain a '@', with at least 1 and at most 64 chars preceding and following the '@'. Control characters (ASCII 0 through 31 and 127), spaces and special chars < > ( ) [ ] \ , ; : are not valid.	The submitted e-mail address for the Person to Be Contacted (listed on the SF 424 RR Cover page), {0}, is invalid. The AOR email address also provided on the SF 424 RR cover page will be used instead.	Update mapping document: Map AOR email to external_org_addresses_t. email_addr if Contact person email is not populated in the application.	
SF 424 (R&R)	Employer Identification	1.23.1		Y			If >12 characters, truncate (no warning). (Minimum Validations)			
SF	Employer	1.23.2		N	N	W	If <13 characters, provide a	The Employer Identification	Correction of message in	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
424 (R&R)	Identification						warning if it is not either 9 characters or 12 characters (after dashes are removed).	Number on the SF 424 RR Cover page should be a length of 9 characters or 12 characters. The application will be accepted by the agency.	code to align to requirement	
SF 424 (R&R)	Employer Identification	1.23.3		N			If 12 characters, don't map to database if EIN number doesn't exist in eRA database. Strip off dashes before doing comparison.			
SF 424 (R&R)	Employer Identification	1.23.4		N			If 9 characters, add a '1' to the beginning of the number and 'A1' to the end (for a total of 12 characters); don't map to database if resulting EIN number doesn't exist in eRA database. Strip off dashes before doing comparison.			
SF 424 (R&R)	Type of Applicant (other, woman owned, disadvantaged)	1.24.1		N	N	E	For an SBIR/STTR application, must be 'Small Business'.	For an SBIR/STTR application, the Type of Applicant provided in the SF 424 RR Cover must be 'Small Business'.	Design/mapping note: when the applicant type is "O - Small Business", set small_business_code to 'N', but do not supercede any value that is the result of mapping the women-owned or socially-economically-disadvantaged qualifiers. In other words, default when applicant type is "O" should be 'N' instead of "null". This should be overwritten if the women-owned and socially-economically-disadvantaged indicators need to record either a W, M, or B in this field	
SF	Type of	1.25.1		Y	N	E	Must be either New,	<Type of Application>	For a revision, define	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
424 (R&R)	Application (New, Resub, Renewal, Contin, Revision)						Revision, Resubmission, or Renewal (Minimum Validations)	provided in the SF 424 RR Cover is invalid. The Type of Application must be New, Revision Resubmission, or Renewal.	parent grant by finding the most recent type 1, type 2, or type 9 that matches on the major activity code, IC, and serial number provided in the Federal Identifier, where the Project Start Date on the parent is earlier than or equal to the revision's Project Start Date, and the Project End Date on the parent is later than or equal to the revision's Project End Date. Subprojects and other revisions should be excluded from consideration as parent grants. In cases where the major activity code of the prior is 'U', matching is performed only on IC and serial number.	
SF 424 (R&R)	Type of Application (New, Resub, Renewal, Contin, Revision)	1.25.2		N	N	E	Renewal is not a valid type for a Phase I SBIR/STTR, SC2, S11, X01, ~~X02,~~ R03, R21, R34, U34, C06, UC6, G08, G13, G20, or mentored K application.	A renewal cannot be submitted for this application.	Remove X02 from validation	CQERA00108432
SF 424 (R&R)	Type of Application (New, Resub, Renewal, Contin, Revision)	1.25.3		N	N	W	Provide warning if renewal is submitted for a R21/R33 combination or for a UH2/UH3 combination.	Renewal applications are accepted if specifically allowed in the Funding Opportunity Announcement (FOA). Applications that do not comply with these instructions may be delayed or not accepted for review.		
SF 424	Type of Applicatio	1.25.4		N	N	E	Revision is not a valid type for an S10, X01~~, or X02~~	A revision cannot be submitted for this application.	Remove X02 from validation	CQERA00108433

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
(R&R)	n (New, Resub, Renewal, Contin, Revision)						application			
SF 424 (R&R)	Type of Applicatio n (New, Resub, Renewal, Contin, Revision)	1.25.5		N	N	E	For a DP1, DP2 or DP3 application must be New.	Resubmissions, renewals, and revisions cannot be submitted for this application. This is indicated in the Type of Application on the SF 424 RR Cover page.		
SF 424 (R&R)	Type of Applicatio n (New, Resub, Renewal, Contin, Revision)	1.25.6		N	N	E	For an SC1 application, provide error for a renewal if there has already been an awarded renewal for this grant.	Only one renewal is allowed for an SC1.		
SF 424 (R&R)	Type of Applicatio n (New, Resub, Renewal, Contin, Revision)	1.25.7		N	N	E	For an SC1 application, provide error for a renewal if the PI has been awarded any R01 grants, whether as a single PI or as a multiple PI.	The PI, <first name last name) has been awarded R01 grants in the past. SC1 applications may not be submitted if the PI has been awarded any R01 grants.		
SF 424 (R&R)	Type of Applicatio n (New, Resub, Renewal, Contin, Revision)	1.25.8		N	N	E	Revision is not a valid type for a Fellowship application (F major activity code)	A revision cannot be submitted for this application. If you would like to submit an amended application, please select a 'Resubmission' Type of Application on the SF 424 RR Cover Page.		
SF 424 (R&R)	Type of Applicatio n (New, Resub, Renewal, Contin, Revision)	1.25.9		Y	N	E	For FOA with activity code is 333/666/777 application must be Revision (Minimum Validations)	<Type of Application> provided in the SF 424 RR Cover is invalid. The Type of Application must be Revision.		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
SF 424 (R&R)	If revision, increase award, decrease, etc.	1.26								
SF 424 (R&R)	Name of Federal Agency	1.27								
SF 424 (R&R)	Catalog of Federal Domestic Assistance Number	1.28								
SF 424 (R&R)	Submitted to other agencies?	1.29								
SF 424 (R&R)	Descriptive Title	1.30.1		Y			Truncate if >81 characters (Minimum Validations)		Long-term, expand eRA db to 200 chars	
SF 424 (R&R)	Descriptive Title	1.30.2		N	N	E	For a revision, must be the same as the project title on the parent grant. Do not include leading or trailing spaces or any punctuation in the comparison.	For a revision, the project title provided on the SF 424 RR Cover must be the same as the project title on the parent grant (including spaces and punctuations).		
SF 424 (R&R)	Proposed project start date	1.32.1		Y	N	E	Must be later than current date (Minimum Validations)	The Proposed Project Start Date (SF 424 RR Cover page) must be later than today's date.		
SF 424 (R&R)	Proposed project ending date	1.33.1		N	N	E	Must be later than ProjectStartDate	The Proposed Project Ending Date (SF 424 RR Cover page) must be later than the Proposed Project Start Date		
SF 424 (R&R)	Proposed project ending date	1.33.2		N	Y Standard	W	For an R03 (LV), R21 (LV), or R36 application, return warning if project period is more than two years long.	The project period for this type of application is limited to two years.		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							Define project period by time span between project period start date and project period end date as entered on the SF 424 RR Face Page.			
SF 424 (R&R)	Proposed project ending date			N	Y Opt out	W	For an R03 (LV), R21 (LV), return warning if project period is more than two years long.	Warning message for 'opt out' announcements: Be sure that you have complied with the allowable project period limitations for this FOA. Applications that do not comply with these instructions may be delayed or not accepted for review.		
SF 424 (R&R)	Proposed project ending date	1.33.3		N	Y Standard	W	For an R15, R33 (LV), R34 (LV), U34 (LV), G08, or G13 application, return warning if project period is more than three years long. Define project period by time span between project period start date and project period end date as entered on the SF 424 RR Face Page.	The project period for this type of application is limited to three years. Applications that do not comply with these instructions may be delayed or not accepted for review.		
SF 424 (R&R)	Proposed project ending date			N	Y Opt out	W	For an R33 (LV), R34 (LV), U34 (LV) application, return warning if project period is more than three years long. Define project period by time span between project period start date and project period end date as entered on the SF 424 RR Face Page.	Warning message for 'opt out' announcements: Be sure that you have complied with the allowable project period limitations for this FOA. Applications that do not comply with these instructions may be delayed or not accepted for review.		
SF 424 (R&R)	Proposed project ending date	1.33.4		N	Y Standard	W	For an R01 (LV) or R21/ R33 pair (LV), U01(LV), RF1(LV), UF1(LV) or K applications, return warning if project period is more than five years long. Define	The project period for this type of application is limited to five years. Applications that do not comply with these instructions may be delayed or not accepted for review.	Added RF1 and UF1 to validation	CQERA00108440

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Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							project period by time span between project period start date and project period end date as entered on the SF 424 RR Face Page.			
SF 424 (R&R)	Proposed project ending date			N	Y Opt out	W	For an R01 (LV) or R21/ R33 pair (LV), U01 (LV), RF1(LV), UF1(LV) applications, return warning if project period is more than five years long. Define project period by time span between project period start date and project period end date as entered on the SF 424 RR Face Page.	Warning message for 'opt out' announcements: Be sure that you have complied with the allowable project period limitations for this FOA. Applications that do not comply with these instructions may be delayed or not accepted for review.	Added RF1 and UF1 to validation	CQERA00108440
SF 424 (R&R)	Proposed project ending date	1.33.5		N	N	E	For a DP1 or DP2 application, the project period must be exactly five years long. Define project period by the number of *years* only between the project start date and the project end date.	The project period for this application must be five years. This is determined by the Proposed Project Start Date and the Proposed Project Ending Date on the SF 424 RR Cover page.		
SF 424 (R&R)	Proposed project ending date	1.33.6		N	N	E	Must be no more than 20 years greater than today's date.	The Proposed Project Ending Date (SF 424 RR Cover page) cannot be more than 20 years in the future.		
SF 424 (R&R)	Proposed project ending date	1.33.7		N	N	E	For all T applications (major activity code 'T'), K12, KM1, D43, D71 and U2R return error if project period is more than five years long. Define project period by time span between project period start date and project period end date as entered on the SF 424 RR Cover Page.	The project period for this type of application is limited to five years.		
SF 424	Congressional	1.34.1		Y	N	E	Must be a valid congressional district code	Congressional district <Congressional District> on		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
(R&R)	districts of applicant						(after truncating). Truncation logic: Parse from left to right, and take the first two digits encountered, skipping leading zeroes (return error if no digits are encountered, but no error if only zeroes are encountered). Before validating, pad out with a leading zero if less than 2 digits are extracted in this way. Display in grant image as submitted. (Minimum Validations)	the SF 424 RR Cover page is invalid. To locate your district, visit http://www.house.gov/ If the applicant organization is a foreign institution refer to the application guide for instructions.		
SF 424 (R&R)	PD/PI Contact Informatio n, name (prefix, first name, middle name, last name, suffix)	1.36.1		Y			Required. (Minimum Validations)			
SF 424 (R&R)	PD/PI Contact Informatio n, name (prefix, first name, middle name, last name, suffix)	1.36.2		N	N	W	If only a Commons Account is supplied, display a *warning* to pay attention to the name that is generated in the grant image, since this will appear exactly as it is represented in the Commons.	On the SF 424 RR Cover, no name was provided for the PD/PI identified on the Senior/Key Person Profile with eRA Commons Username: <Credential>. The name listed on this person's eRA Commons account, <Commons profile name components>, will be used for this submission.		
SF 424 (R&R)	PD/PI Contact Informatio	1.36.3		N	N	W	If this *and* Commons account provided (and Commons account is	The name provided for the PD/PI, <First name last name>, listed on the SF 424	Post-testing solution: If validation fails, provide warning that the Commons	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
	n, name (prefix, first name, middle name, last name, suffix)						recognized), provide warning if last name and first name on account doesn't match provided last name and first name. Comparison to ignore case and embedded spaces, but not embedded punctuation.	RR Coverdoes not match the name listed on the eRA Commons account: <First name last name>. The application image will display the name as submitted here. If the name listed in the eRA Commons is not current, please update it in the eRA Commons. Instructions on updating profile information are available at https://commons.era.nih.gov/commons-help/216.htm.	name (or position title) is *xxxx* and the name submitted through grants.gov is *yyyy* and we will be displaying the Commons data. Provide ability for the submitter to update their Commons account and to regenerate the image to display the updated information from the Commons account. Alignment to current code	
SF 424 (R&R)	PD/PI Contact Information, Position/Title	1.37.1		N			If there is no position/title entered on any employment record for this person and organization in Commons, store the submitted position/title in all employment records for that person and organization in the Commons.			
SF 424 (R&R)	PD/PI Contact Information, Position/Title	1.37.2		Y			Truncate if greater than 40 characters, before comparing to title stored in database. No warning message is needed to the submitter. (Minimum Validations)			
SF 424 (R&R)	PD/PI Contact Information, Organization Name	1.38								
SF 424 (R&R)	PD/PI Contact Information, Departme	1.39.1								

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
	nt									
SF 424 (R&R)	PD/PI Contact Information, Division	1.40.1								
SF 424 (R&R)	PD/PI Contact Information, Street 1 and 2, city, state, province, zip, country, phone number, fax number, e-mail	1.41.1		Y	N	E	Transform province name to 2 char. abbreviation before storing. If province name can't be transformed, give an error. (Minimum Validations)	The PD/PI Profile Province on the SF 424 RR Cover is not a valid province name.	Long-term, change in ERA db for zip code to 13 characters Map the role-level HOM address for the PD/PI based on the address submitted for the PD/PI on the 424 RR Cover, instead of creating it based on the profile.	
SF 424 (R&R)	PD/PI Contact Information, Street 1 and 2, city, state, province, zip, country, phone number, fax number, e-mail	1.41.2		Y	N	E	Transform state name to 2 char. abbreviation before storing. If state name can't be transformed, give an error. (Minimum Validations)	The PD/PI Profile State on the SF 424 RR Cover is not a valid state name.	Long-term, change in ERA db for zip code to 13 characters Map the role-level HOM address for the PD/PI based on the address submitted for the PD/PI on the 424 RR Cover, instead of creating it based on the profile.	
SF 424 (R&R)	PD/PI Contact Information, County/Parish	1.42								
SF 424	Total Federal	1.43.1	V1_2 Adobe	N	N	W	For an S10 application, display a warning if this is	The Total Federal Funds Requested in the Estimated	Design note: mapping for S10s and X02 and DP1 for	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
(R&R)	Funds Requested		Forms B				greater than 500k.	Project Funding section of the SF 424 RR Cover page is greater than 500k. The application will be processed, but a concern may be raised during review.	budget figures should come from this element instead of from budget components. It should be mapped to appl_periods_t and to the following columns in appls_t: direct_cost_requested_amt, total_cost_requested_year 1_amt, total_cost_requested_amt. (indirect_cost_requested_amt should be 0). For X02, all values will be zero. Design note for S21/S22: mapping for budget year 1 data should come from this element instead of from budget components. Map appl_periods_t columns and the appls_t column total_cost_requested_year 1_amt from this element. Map budget years 2 and on from 424 RR Budget component (budget year 1 in 424 RR component should map as budget year 2 in database, budget year 2 as budget year 3, etc.)	
SF 424 (R&R)	Total Federal Funds Requested	1.43.2	V1_2 Adobe Forms B	N	N	E	Required for a C06, UC6, or G20 application.	The Total Federal Funds Requested in the Estimated Project Funding section of the SF 424 RR Cover page is required for this application.		
SF 424 (R&R)	Total Federal Funds Requested	1.43.3	V1_2 Adobe Forms B	N	N	E	Must be non-zero for a C06, UC6, or G20 application.	The Total Federal Funds Requested in the Estimated Project Funding section of the SF 424 RR Cover page cannot be zero.		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
SF 424 (R&R)	Total Federal Funds Requested	1.43.4	V1_2 Adobe Forms B	N	N	E	For an X01 ~~or X02~~ application, provide an error if non-zero values are entered.	The Total Federal Funds Requested in the Estimated Project Funding section of the SF 424 RR Cover page must be zero.	Remove X02 from validation	CQERA00108434
SF 424 (R&R)	Total Federal Funds Requested	1.43.5	V1_2 Adobe Forms B	N	N	W	For an S21 or S22 application, provide a warning if zero or null.	The Total Federal Funds Requested in the Estimated Project Funding section of the SF 424 RR Cover page should not be zero. The application will be processed, but a concern may be raised during review.		
SF 424 (R&R)	Total Federal Funds Requested	1.43.7	V1_2 Adobe Forms B	N	N	E	For a DP2 application, provide an error if greater than 1.5 million	For a DP2 application The Total Federal Funds Requested in the Estimated Project Funding section of the SF 424 RR Cover page cannot be greater than 1.5 million.		
SF 424 (R&R)	Total Non-Federal Funds	1.60	V1_2 Adobe Forms B						Field is added with form V1_2	
SF 424 (R&R)	Total Federal and Non-Federal Funds	1.44.1		N	N	E	For an X01 ~~or X02~~ application, provide an error if non-zero values are entered.	Total Federal and non-Federal Funds in the Estimated Project Funding section of the SF 424 RR Cover page must be zero.	Remove X02 from validation	CQERA00108435
SF 424 (R&R)	Total Federal and Non-Federal Funds	1.44.2		N	N	E	Required for a C06, UC6, or G20 application.	Total Federal & Non-Federal Funds in the Estimated Project Funding section of the SF 424 RR Cover page is required for this application.		
SF 424 (R&R)	Total Federal and Non-Federal Funds	1.44.3		N	N	E	Must be non-zero for a C06, UC6, or G20 application.	Total Federal & Non-Federal Funds in the Estimated Project Funding section of the SF 424 RR Cover page cannot be zero.		
SF	Total	1.44.4		N	N	W	For an S21 or S22	Total Federal and non-		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
424 (R&R)	Federal and Non-Federal Funds						application, provide a warning if zero or null.	Federal Funds in the Estimated Project Funding section of the SF 424 RR Cover page should not be zero. The application will be processed, but a concern may be raised during review.		
SF 424 (R&R)	Total Federal and Non-Federal Funds	1.44.6		N	N	E	For a DP2 application, provide an error if greater than 1.5 million.	For a DP2 application, Total Federal & Non-Federal Funds in the Estimated Project Funding section of the SF 424 RR Cover page cannot be greater than 1.5 million.		
SF 424 (R&R)	Estimated Program Income	1.45.1		N	N	E	For an X01, ~~X02,~~ DP1, or DP2 application, provide an error if non-zero values are entered.	Total Estimated Program Income in the Estimated Project Funding section of the SF 424 RR Cover page must be zero.	Remove X02 from validation	CQERA00108436
SF 424 (R&R)	Estimated Program Income	1.45.2		N	N	E	Required for a C06, UC6, or G20 application.	Estimated Program Income in the Estimated Project Funding section of the SF 424 RR Cover page is required for this application.		
SF 424 (R&R)	Subject to state executive order review?	1.46.1		N	N	E	For C06, UC6, or G20 applications, a response is required Yes or No checkbox	A response must be included to the question 'Is application subject to review by state executive order 12372 process' on the SF 424 RR Cover page.		
SF 424 (R&R)	State executive order review date	1.47.1		N	N	E	Required if answer to 'Subject to state executive order review' is 'Yes'	A State executive order review date must be entered on the SF 424 RR Cover page, if the answer to the 'Subject to state executive order review' is 'Yes'.		
SF 424 (R&R)	Agreement and certification	1.48								

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
SF 424 (R&R)	SFLLL or Other Explanatory Documentation Attachment	1.61	V1_2 Adobe Forms B						Field is added with form V1_2	
SF 424 (R&R)	Authorized representative name	1.49.1		Y	N	W	Truncate if first or last name>30 chars, or if suffix>5 chars. Display warning. (Minimum Validations)	The Authorized Representative <element name> (SF 424 RR Cover page) exceeds the agency character limit. The application image will display the name as submitted; the agency will store the first <database length> characters in the eRA database.	Long-term change in eRA db to 60 chars for last name, 35 for first name, 10 for suffix (all names in db)	
SF 424 (R&R)	Authorized representative position/title	1.50.1		Y			Truncate if >30 chars. (Minimum Validations)		Long-term change in eRA db to 45 char	
SF 424 (R&R)	Authorized representative organization	1.51								
SF 424 (R&R)	Authorized representative department	1.52								
SF 424 (R&R)	Authorized representative	1.53								

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
	division									
SF 424 (R&R)	Authorized representative street 1 & 2, city, state, province, zip code, country, phone number, fax, e-mail	1.54.2		Y	N	E	Transform province to 2 char. abbreviation for province before validating and storing. If province name can't be transformed, give error. (Minimum Validations)	The Authorized Representative Province (SF 424 RR Cover page) is not a valid province name.	Province should be mapped into same database location as state.	
SF 424 (R&R)	Authorized representative street 1 & 2, city, state, province, zip code, country, phone number, fax, e-mail	1.54.3		Y	N	E	Transform state to 2 char. abbreviation for state before validating and storing. If state name can't be transformed, give error. (Minimum Validations)	The Authorized Representative State (SF 424 RR Cover page) is not a valid state name.		
SF 424 (R&R)	Authorized representative street 1 & 2, city, state, province, zip code, country, phone number, fax, e-mail	1.54.4		Y			If zip>9 characters, truncate. Remove dashes before truncating and/or storing. (Minimum Validations)		Long-term, change in ERA db for zip code to 13 characters	
SF	Authorize	1.55								

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
424 (R&R)	d representative county/Parish									
SF 424 (R&R)	Authorized representative signature and date	1.56								
SF 424 (R&R)	Pre-application attachment	1.57								

Project/Performance Site (R&R)

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Project/ Performance Site (R&R)	I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.	2.18	V1_2 Adobe Forms B						Field is added with Form V1_2	
Project/ Performance Site (R&R)	Primary Location, Organization Name	2.1.1		N			Allow applications to come in without this component.			
Project/ Performance Site (R&R)	Primary Location, Organization Name	2.1.2	V1_2 Adobe Forms B	N	N	E	Required for all NIH applications only	The Organization Name for the Primary Location is required on the Project/Performance Site Location(s) form. Please make sure the 'Submit an application as an individual' selection is not checked.		
Project/ Performance Site (R&R)	Primary Location, DUNS Number	2.19.1	V1_2 Adobe Forms B	N	N	E	Required for NIH applications only	The DUNS Number for the Primary Location is required on the Project/Performance Site Location(s) form. Please make sure the 'Submit an application as an individual' selection is not checked.	Field is added with form V1_2	
Project/ Performance Site (R&R)	Primary Location, Street 1 and 2	2.2								
Project/ Performance Site (R&R)	Primary Location, City	2.3								

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Project/ Performance Site (R&R)	Primary Location, County/Parish	2.4								
Project/ Performance Site (R&R)	Primary Location, State	2.5								
Project/ Performance Site (R&R)	Primary Location, Province	2.6							Province should be mapped into same database location as state.	
Project/ Performance Site (R&R)	Primary Location, Zip code	2.7								
Project/ Performance Site (R&R)	Primary Location, Country	2.8								
Project/ Performance Site (R&R)	Primary Location, Congressional District	2.20.1	V1_2 Adobe Forms B	N	N	E	Required if Country is US.	The Congressional District must be provided for the Primary Location on the Project/Performance Site Location(s) form.	Field is added with form V1_2	
Project/ Performance Site (R&R)	Primary Location, Congressional District	2.20.2	V1_2 Adobe Forms B	N	N	E	Must be a valid congressional district code (after truncating). Truncation logic: Parse from left to right, and take the first two digits encountered, skipping leading zeroes (return error if no digits are encountered, but no error if only zeroes are encountered). Before validating, pad out with a leading zero if less than 2 digits are	Congressional district <Congressional District> on the Project/Performance Site(s) is invalid. To locate your district, visit http://www.house.gov/ If the applicant organization is a foreign institution, refer to the application guide for instructions.		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							extracted in this way. Do not return error if 'ALL' is encountered. When Other Country than US selected and no Congressional District is entered, then populate db with 00-000. The validation should not fire. Display in grant image as submitted			
Project/ Performance Site (R&R)	I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.	2.21	V1_2 Adobe Forms B						Field is added with form V1_2	
Project/ Performance Site (R&R)	Location 1, Organization Name	2.9								
Project/ Performance Site (R&R)	Location 1, DUNS Number	2.22	V1_2 Adobe Forms B						Field is added with form V1_2	
Project/ Performance Site (R&R)	Location 1, Street 1 and 2	2.10								
Project/ Performance Site (R&R)	Location 1, City	2.11								
Project/ Performanc	Location 1, County/Paris	2.12							G.g to correct the form label (3/20/09)	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
e Site (R&R)	h									
Project/ Performance Site (R&R)	Location 1, State	2.13								
Project/ Performance Site (R&R)	Location 1, Province	2.14							Province should be mapped into same database location as state.	
Project/ Performance Site (R&R)	Location 1, Zip code	2.15								
Project/ Performance Site (R&R)	Location 1, Country	2.16								
Project/ Performance Site (R&R)	Location 1, Congressional District	2.23	V1_2 Adobe Forms B						Field is added with form V1_2	
Project/ Performance Site (R&R)	Additional Location(s)	2.17								

Other Project Information (R&R)

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Other Project Info (R&R)	Human Subjects Involved?	3.1.2		N	N	E	If HumanSubjectsUsedQuestion is false, ExemptionNumber must not be specified.	When Human Subjects is "No", Exemption Number must not be specified on the Other Project Information component.		
Other Project Info (R&R)	Human Subjects Involved?	3.1.3		N	N	W	If HumanSubjectsUsedQuestion is false, provide a warning if AssuranceNumber is specified.	When Human Subjects is "No", Assurance Number does not apply on the Other Project Information component.		
Other Project Info (R&R)	Human Subjects Involved?	3.1.4		N	N	E	Must be true if Human Subjects Clinical Trial question is true.	The 'Human Subjects Involved' question on the Other Project Information component must be "Yes" if the Human Subjects Clinical Trial question on the PHS 398 Cover Page Supplement is "Yes".		
Other Project Info (R&R)	Human Subjects Involved?	3.1.5		N	N	W	For S10, S21, S22 application, display a warning if this is true.	The answer to the Human Subjects Involved on the Other Project Information component should be 'No'. The application will be processed, but a concern may be raised during review.		
Other Project Info (R&R)	Human Subjects Involved?	3.1.6	V1_2 Adobe Forms B	N	N	W	Provide Warning if Human Subject Involved is Yes and Is the Project Exempt from Federal Regulations is No and Is the IRB review Pending is Yes	The Human Subject Assurance Number may be requested later as part of the eRA Commons Just In Time (JIT) process.		
Other Project Info (R&R)	Project Exempt from Federal Regulations	3.19.1	V1_2 Adobe Forms B	N	N	E	If Human Subjects Used Question is true, the Project Exempt from Federal Regulations	If the answer to Human Subject Use is 'Yes", an answer to the Project Exempt from Federal Regulations must be provided.	Field is added with form V1_2	

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							question cannot be blank			
Other Project Info (R&R)	Exemption number	3.4.1	V1_2 Adobe Forms B	N	N	E	If Project Exempt from Federal Regulations is True, the Exemption number cannot be blank.	If the answer to Project Exempt from Federal Regulations is 'Yes', an Exemption Number must be provided.		
Other Project Info (R&R)	IRB review pending?	3.2.1	V1_2 Adobe Forms B	N	N	E	If IRB review pending? Is false, IRB approval date and Human subject assurance number cannot be blank.	If the answer to 'IRB Review Pending' question is 'No', the IRB Approval Date and Human Subject Assurance Number must be provided.		
Other Project Info (R&R)	IRB approval date	3.3.1		N	N	E	Date can't be in the future (but can be blank)	The IRB approval date on the Other Project Information component cannot be in the future.		
Other Project Info (R&R)	IRB approval date	3.3.2		N	N	E	Year of date must be greater than 1990	The year of the IRB approval date must be greater than 1990.		
Other Project Info (R&R)	Human subject assurance number	3.5.1		N	N	W	Provide warning if it doesn't match IPF human subject assurance number for this organization. Match should be on the last 11 characters of the IPF assurance number. If the Assurance Number that is received is exactly eight characters long and consists of all numeric digits, provide warning if after stripping off a leading 'FWA' from the number stored in the IPF (if it exists), the numbers don't match. After the comparison is made in this latter case,	The human subject assurance number entered in the Other Project Information component does not match what is in the eRA Commons profile for your organization. There are rare cases where this is permissible. Please make sure that the correct number is entered on the Other Project Information page. If not, correct and resubmit. Note, if you do not have an approved assurance on file with OHRP and have inserted "None" in the Human Subject Assurance Number, no correction is necessary.		

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							prefix the submitted number with 'FWA' before storing in the database.			
Other Project Info (R&R)	Vertebrate animals used?	3.6.1		N	N	E	If this is 'Y', then ONE of the following must be provided: Assurance Number + IACUC Approval Date Assurance Number + IACUC Approval Pending The word 'None' (case insensitive, don't validate on punctuation)	When Vertebrate Animals is "Yes", you must provide one of the following: (1) animal welfare assurance number + IACUC approval date, (2) animal welfare assurance number + an indication that IACUC approval is pending OR (3) the word 'None' on the Other Project Information component.		
Other Project Info (R&R)	Vertebrate animals used?	3.6.2		N	N	W	For S10 application, display a warning if this is true.	The answer to the Vertebrate Animals Used question in the Other Project Information component should be 'No'. The application will be processed, but a concern may be raised during review.		
Other Project Info (R&R)	IACUC review pending?	3.7.1		N	N	W	Provide a warning if Vertebrate Animals Used is 'N'	When Vertebrate Animals is "No" IACUC Approval Pending indicator does not apply on the Other Project Information component.		
Other Project Info (R&R)	IACUC approval date	3.8.1		N	N	W	Provide a warning if VertebrateAnimalsUsed Question is false	When Vertebrate Animals is "No" IACUC Approval Date does not apply on the Other Project Information component.		
Other Project Info (R&R)	IACUC approval date	3.8.2		N	N	E	Year of date must be greater than 1990	The year of the IACUC approval date must be greater than 1990.		
Other Project Info (R&R)	IACUC approval date	3.8.3		N	N	E	The date can't be in the future	The IACUC Approval Date on the Other Project Information component cannot be in the		

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
								future.		
Other Project Info (R&R)	Animal Welfare Assurance #	3.9.1		N	N	W	Provide a warning if VertebrateAnimalsUsed Question is false	When Vertebrate Animals is "No" on the Other Project Information component, the Animal Welfare Assurance Number does not apply.		
Other Project Info (R&R)	Animal Welfare Assurance #	3.9.3		N	N	W	If an animal welfare assurance number is entered, provide a warning if it doesn't match animal welfare assurance number for this organization. Match needs to be on the last 9 characters of the IPF assurance number. This validation should not be done if the field is left blank or if the word 'None' is entered.	The Animal Welfare Assurance Number entered on the Other Project Information component, does not match what is in the eRA Commons profile for your organization. There are rare cases where this is permissible. Please make sure that the correct number is entered on the Other Project Information page. If not, correct and resubmit.		
Other Project Info (R&R)	Proprietary or privileged info?	3.10								
Other Project Info (R&R)	Impact on environment?	3.11								
Other Project Info (R&R)	Performance Site a historic place?	3.20	V1_2 Adobe Forms B						Field is added with form V1_2	
Other Project Info (R&R)	Activities outside of US?	3.12								
Other Project Info (R&R)	Project Summary	3.13.1		N	N	E	Limited to one page	The Project Summary/Abstract on the Other Project Information component is limited to 30 lines of text.		

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Other Project Info (R&R)	Project Summary	3.13.2		N	N	E	Required	The Abstract (labeled 'Project Summary/Abstract' on the Other Project Information component) must be included.		
Other Project Info (R&R)	Project Narrative	3.14.1		N	N	E	For all applications except those in response to C06, UC6, or G20 , limit to 1 page	The Public Health Relevance Statement (labeled 'Project Narrative' on the Other Project Information component) should be no longer than 2 or 3 sentences.		
Other Project Info (R&R)	Project Narrative	3.14.2		N	N	E	Required for C06, UC6, or G20 applications.	Please attach the Program Narrative as the Project Narrative attachment on the Other Project Information component.		
Other Project Info (R&R)	Project Narrative	3.14.3		N	N	W	Provide a warning if greater than 40 pages for C06, UC6, or G20 applications.	The Program Narrative (Other Project Information, Project Narrative attachment) is limited to 40 pages.		
Other Project Info (R&R)	Project Narrative	3.14.6		N	N	E	Required for all applications (validation does not apply to C06, UC6, or G20).	The Public Health Relevance Statement (labeled 'Project Narrative' on the Other Project Information component) must be included.		
Other Project Info (R&R)	Bibliography and References Cited	3.15.1		N	N	W	Provide a warning if this attachment hasn't been included. This validation only applies to NIH applications.	In most cases, a Bibliography and References Cited attachment should be included.		
Other Project Info (R&R)	Bibliography and References Cited	3.15.2		N	N	E	Provide error if attached for a DP1 or DP2 application	The Bibliography and References attachment on the Other Project Information page may not be included for this application.		
Other Project Info (R&R)	Facilities and other resources	3.16.1		N	N	W	Provide warning if attached for DP3 application	Please follow application guide and announcement instructions for the Facilities and Other Resources attachment on the Other Project Information form.		

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Other Project Info (R&R)	Facilities and other resources	3.16.2		N	N	E	For all Ts, K12, KM1, D43, D71 and U2R applications provide error if not attached	The Facilities & Other Resources attachment on the Other Project Information form should be included as part of the application.		
Other Project Info (R&R)	Equipments	3.17.1		N	N	E	Required for S10 applications.	The Equipment Attachment on the Other Project Information page is required for S10 applications.		
Other Project Info (R&R)	Equipments	3.17.2		N	N	W	Provide warning if attached for a DP1 , DP2 or DP3 application	Please follow application guide and announcement instructions for the Equipment attachment on the Other Project Information form.		
Other Project Info (R&R)	Other attachments	3.18.1		N	N	E	For S10 applications, provide error if at least one attachment has not been included for this.	No attachment was provided as an 'Other Attachment' on the Other Project Information page. Please attach the Instrumentation Plan in this location. Please also consult the funding opportunity announcement to which you are responding for any additional information to be attached as an 'Other Attachment'.	Note that multiple attachments may be received with Other Attachments. They should all be processed.	
Other Project Info (R&R)	Other attachments	3.18.3		N	N	E	For S21 and S22 applications, provide error if at least three attachments haven't been included for this.	At least three attachments must be provided as an 'Other Attachment' on the Other Project Information page. Please consult the funding opportunity announcement for the type(s) of information to be attached.		
Other Project Info (R&R)	Other attachments	3.18.5		N	N	E	For VA applications where Type of Application is 'New', do not accept file named '01_VA_Intro.pdf'	An Introduction cannot be submitted (as an Other Attachment on the Other Project Information page) for new applications.		
Other	Other	3.18.6		N	N	E	For VA applications	An Introduction must be included		

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Project Info (R&R)	attachments						where Type of Application is 'Resubmission' or 'Revision', a file named '01_VA_Intro.pdf' is required.	as an 'Other Attachment' for resubmissions and revisions on the Other Project Information page. The attachment should be named '01_VA_Intro.pdf'.		
Other Project Info (R&R)	Other attachments	3.18.7		N	N	E	For VA applications where a file named '01_VA_Intro.pdf' has been submitted for a revision, it cannot be greater than 1 page.	The Introduction for a revision, submitted as an Other Attachment on the Other Project Information page, is limited to one page		
Other Project Info (R&R)	Other attachments	3.18.8		N	N	E	For VA applications where a file named '01_VA_Intro.pdf' has been submitted for a resubmission, it cannot be greater than 3 pages.	The Introduction for a resubmission, submitted as an Other Attachment on the Other Project Information page, is limited to three pages.		
Other Project Info (R&R)	Other attachments	3.18.9		N	N	E	For VA applications and activity code is I01, IP1, I50, IK3 or IK4 where a file named '02a_VA_Research_Plan.pdf' has been submitted, it cannot be greater than 24 pages.	The Research Plan, submitted as an Other Attachment on the Other Project Information page, is limited to 24 pages.		
Other Project Info (R&R)	Other attachments	3.18.10		N	N	E	For VA applications, require the submission of a file named '02a_VA_Research_Plan.pdf'.	A Research Plan is required for this application. Please submit it as an 'Other Attachment' on the Other Project Information page, titled '02a_VA_Research_Plan.pdf'.		
Other Project Info (R&R)	Other attachments	3.18.11		N	N	E	For VA applications where Type of Application is 'Renewal', a file named '03_VA_Prog_Report_Pubs.pdf' is required.	A bibliography of publications resulting from the last period of VA funding must be included for all renewals. Please submit it as an 'Other Attachment' on the Project Information page, titled '03_VA_Prog_Report_Pubs.pdf'.		

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Other Project Info (R&R)	Other attachments	3.18.12		N	N	E	For VA applications where Human Subjects is 'Y', a file named '04_VA_Human_Subjects.pdf' is required.	A Human Subjects attachment must be included if the response to the Human Subjects question on the Other Project Information page is 'Yes'. Please submit it as an 'Other Attachment' on the Project Information page, titled '04_VA_Human_Subjects.pdf'.		
Other Project Info (R&R)	Other attachments	3.18.13		N	N	E	For VA applications where Vertebrate Animals is 'Y', a file named '05_VA_Animals.pdf' is required.	A Vertebrate Animals attachment must be included if the response to the Vertebrate/Animals Subject Used Question on the Other Project Information page is 'Yes'. Please submit it as an 'Other Attachment' on the Project Information page, titled '05_VA_Animals.pdf'.		
Other Project Info (R&R)	Other attachments	3.18.14		N	N	E	For VA applications where multiple PIs are included and activity code is I01, IP1 or I50, a file named '06_VA_Multiple_PI.pdf' is required.	The Multiple PI Leadership Plan attachment must be included if multiple PIs have been included on the Senior/Key Person page. Please submit it as an 'Other Attachment' on the Other Project Information page, titled '06_VA_Multiple_PI.pdf'.		
Other Project Info (R&R)	Other attachments	3.18.14.1		N	N	E	For VA applications where multiple PIs are not included, do not accept a file named '06_VA_Multiple_PI.pdf'.	The Multiple PI Leadership Plan attachment should not be included as an 'Other Attachment' on the Project Information page if a single PI has been included on the Senior/Key Person page.		
Other Project Info (R&R)	Other attachments	3.18.15		N	N	W	For applications in response to VA announcements, provide warning if any attachment file names are not provided in one of the following formats:	An attachment submitted as an 'Other Attachment' on the Other Project Information page has the name '<file name>'. This is not a valid name for this attachment. Please refer to the FOA for the list of valid file names to be		

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							01_VA_Intro.pdf 02_VA_Specific_Aims.pdf 02a_VA_Research_Plan.pdf 02b_VA_Career_Plan.pdf 02c_VA_Mentoring_Plan.pdf 03_VA_Prog_Report_Pubs.pdf 04_VA_Human_Subjects.pdf 05_VA_Animals.pdf 06_VA_Multiple_PI.pdf 07_VA_Agreements.pdf 08_VA_Director_Letter.pdf 08a_VA_R_D_Committee_Letter.pdf 08b_VA_Letters_of_Support.pdf 09_VA_Checklist.pdf 10_VA_Appendix_1.pdf 11_VA_Appendix_2.pdf 12_VA_Appendix_3.pdf Note: file name validations should not be case-sensitive.	submitted as an 'Other Attachment'. The application will be processed, but concerns may be raised during review of the application.		
Other Project Info (R&R)	Other attachments	3.18.18		N	N	E	For F applications, provide error if at least one attachment has not been included for this **and Competition ID is 'ADOBE-FORMS-B'**..	No attachment was provided as an 'Other Attachment' on the Other Project Information page. Please attach the Sponsor, the Co-Sponsor, the Collaborators and Dissertation Advisor and List of Referees. Please also consult the funding opportunity announcement to which you are responding for any additional	Bookmarking should be done as follow: Sponsor Co-sponsor(s) Collaborators and Dissertatio	

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
								information to be attached as an 'Other Attachment'.	n Advisor(s) List of Referees Other attachment bookmarked by filename provided by applicant	
Other Project Info (R&R)	Other attachments	3.18.19		N	N	E	For VA applications, a file named 08_VA_Director_Letter.pdf' is required.	A letter from the VA Medical Center Director is required for this application. Please submit it as an 'Other Attachment' on the Project Information page, titled '08_VA_Director_Letter.pdf'.		
Other Project Info (R&R)	Other attachments	3.18.20		N	N	E	For VA applications, a file named '09_VA_Checklist.pdf' is required.	A completed VA Checklist is required for this application. Please submit it as an 'Other Attachment' on the Project Information page, titled '09_VA_Checklist.pdf'.		
Other Project Info (R&R)	Other attachments	3.18.21		N	N	E	For VA applications and activity code is 'IK1' or 'I21', where a file named '02a_VA_Research_Plan.pdf' has been submitted, it cannot be greater than 9 pages.	The Research Plan, submitted as an Other Attachment on the Other Project Information page, is limited to 9 pages.		
Other Project Info (R&R)	Other attachments	3.18.22		N	N	E	For VA applications and activity code is 'IK2', where a file named '02a_VA_Research_Plan.pdf' has been submitted, it cannot be greater than 19 pages.	The Research Plan, submitted as an Other Attachment on the Other Project Information page, is limited to 19 pages.		

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Other Project Info (R&R)	Other attachments	3.18.23		N	N	E	For VA applications and activity code is 'IK5' or 'IK6', where a file named '02a_VA_Research_Plan.pdf' has been submitted, it cannot be greater than 4 pages.	The Research Plan, submitted as an Other Attachment on the Other Project Information page, is limited to 4 pages.		
Other Project Info (R&R)	Other attachments	3.18.24		N	N	E	For VA applications and activity code is IK1, IK2, IK4 or IK5, a file named '02b_VA_Career_Plan.pdf' is required.	A Career Plan is required for this application. Please submit it as an 'Other Attachment' on the Other Project Information page, titled '02b_VA_Career_Plan.pdf'.		
Other Project Info (R&R)	Other attachments	3.18.25		N	N	E	For VA applications and activity code is IK1, IK2, IK4 or IK5, a file named '02c_VA_Mentoring_Plan.pdf' is required.	A Mentoring Plan is required for this application. Please submit it as an 'Other Attachment' on the Other Project Information page, titled '02c_VA_Mentoring_Plan.pdf'.		
Other Project Info (R&R)	Other attachments	3.18.26		N	N	E	For VA applications and activity code is IK1, IK2, IK4 or IK5, where a file named '02b_VA_Career_Plan.pdf' has been submitted, it cannot be greater than 5 pages.	The Career Plan, submitted as an Other Attachment on the Other Project Information page, is limited to 5 pages		
Other Project Info (R&R)	Other attachments	3.18.27		N	N	E	For VA applications and activity code is IK1, IK2, IK4 or IK5, where a file named '02c_VA_Mentoring_Plan.pdf' has been submitted, it cannot be greater than 3 pages.	The Mentoring Plan, submitted as an Other Attachment on the Other Project Information page, is limited to 3 pages		
Other Project Info (R&R)	Other attachments	3.18.28		N	N	E	For VA applications and activity code is I01, I21, I50, IP1, IK6 or IK3 do not accept file named	A Career Plan may not be submitted for this application.		

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							'02b_VA_Career_Plan.pdf'.			
Other Project Info (R&R)	Other attachments	3.18.29		N	N	E	For VA applications and activity code is I01, I21, I50, IP1, IK6 or IK3 do not accept file named '02c_VA_Mentoring_Plan.pdf'.	A Mentoring Plan may not be submitted for this application.		
Other Project Info (R&R)	Other attachments	3.18.30		N	N	E	For VA applications and activity code is IK1, IK2, IK3, IK4, IK5, IK6 or I21 do not accept a file named '06_VA_Multiple_PI.pdf'.	A Multiple PI Leadership Plan may not be submitted for a Career Development application.		
Other Project Info (R&R)	Other attachments	3.18.31		N	N	E	For VA applications, a file named '02_VA_Specific_Aims.pdf' is required.	A Specific Aims is required for this application. Please submit it as an 'Other Attachment' on the Other Project Information page, titled '02_VA_Specific_Aims.pdf'.		
Other Project Info (R&R)	Other attachments	3.18.32		N	N	E	For VA applications where a file named '02_VA_Specific_Aims.pdf' has been submitted, it cannot be greater than 1 page.	The Specific Aims, submitted as an 'Other Attachment' on the Other Project Information page, is limited to 1 page		
Other Project Info (R&R)	Other attachments	3.18.33		N	N	E	For VA applications and activity code is 'IK6', a file named '08a_VA_R_D_Committee_letter.pdf' is required	A Letter from the VA R&D Committee is required for this application. Please submit it as an 'Other Attachment' on the Other Project Information page, titled '08a_VA_R_D_Committee_letter.pdf'.		
Other Project Info (R&R)	Other attachments	3.18.34		N	N	E	For VA applications and activity code is NOT 'IK6', provide error if the file named '08a_VA_R_D_Committ	A Letter from the VA R&D Committee may not be submitted for this application.		

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							ee_letter.pdf' is submitted.			

Senior/Key Person Profile (R&R)

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Senior/Key Person (R&R)	PD/PI Profile Information	4.1.1					Pulled from SF 424 RR Cover component		Note: identify this Senior/Key Person as the contact PI if multiple PI roles are defined.	
Senior/Key Person (R&R)	PD/PI Profile, credential	4.2.1		Y	N	E	Must be specified for the PD/PI (Minimum Validations)	The eRA Commons Username must be submitted for the PD/PI in the PD/PI Credential field on the Senior/Key Person page.		
Senior/Key Person (R&R)	PD/PI Profile, credential	4.2.2		Y			Truncate if greater than 30 characters, before comparing to account stored in database. No warning message is needed to the submitter. (Minimum Validations)			
Senior/Key Person (R&R)	PD/PI Profile, credential	4.2.3		Y	N	E	*If specified*, must be a valid Commons account. (Minimum Validations)	The eRA Commons Username <Credential> in the PD/PI Credential field on the Senior/Key Person page is not a recognized eRA Commons account.		
Senior/Key Person (R&R)	PD/PI Profile, credential	4.2.4		Y	N	E	For the PD/PI, this account must be affiliated with the organization submitting the application and have the PI role (Minimum Validations)	The eRA Commons account indicated for the PD/PI in the Credential field on the Senior/Key Person page is not affiliated with the applicant organization. Check with your eRA Commons Account Administrator to make sure you have been affiliated with the applicant organization.		
Senior/Key Person (R&R)	PD/PI Profile, credential	4.2.5		N	N	W W	For a revision, the PI should be assigned to the parent grant. If	Warning: The eRA Commons account for the PI in the Credential field on the	ARRA Revisions temporary change from Error to Warning.	

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							the person profile for this Commons account is not the same person profile assigned as the PI to the parent grant, and the last name of the PI assigned to the parent grant matches the last name that is submitted for the PI on the current application, provide the indicated warning. This match must *not* be case-sensitive, and should compare only the non-blank, non-punctuation characters that appear in the last name. If neither the profile nor the last name match, provide the indicated warning.	Senior/Key Person page does not include the parent grant of this submission in its support history. Change from Error to Warning: The parent grant that has been entered is not associated with this PI.		
Senior/Key Person (R&R)	PD/PI Profile, credential	4.2.6		N	N	W	Provide a warning if there is both an SO and a PI role associated with the Commons account.	The eRA Commons account has 'SO' and 'PI' roles. Please create a separate eRA Commons account for the SO/AOR, then delete the 'SO' role from the account included in the submission. You do not need to send a changed/corrected application.		
Senior/Key Person (R&R)	PD/PI Profile, credential	4.2.7		N	N	W	Provide a warning if the single role associated with the	The eRA Commons account included for the PD/PI is for an SO/AOR. Please add a PI role		

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							Commons account is an SO role.	to this account, create a separate 'SO' eRA Commons account for the SO/AOR, and delete the 'SO' role from the original account. You do not need to send a changed/corrected application; however, you will need to change the roles on the Commons account as instructed, or the PD/PI will not be able to view the review outcome or Summary Statement.		
Senior/Key Person (R&R)	PD/PI Profile, credential	4.2.10		N	N	E	For a DP1 application, the PD/PI must not have been a PD/PI on a previous awarded DP1.	A DP1 application cannot be submitted for a PD/PI who has previously received a DP1 award.		
Senior/Key Person (R&R)	PD/PI Profile, other project role category	4.3								
Senior/Key Person (R&R)	PD/PI Profile, Degree Type	4.29.1	V1_2 Adobe Forms B	N	N	W	Warning if no degrees have been included on the application and none are listed in Commons Personal Profile	No degrees are listed in the Commons Profile or have been submitted on the RR Senior/Key Profile form for the Contact PD/PI. If the degrees listed in the eRA Commons are not current, please update them in the eRA Commons. Instructions on updating profile information are available at https://commons.era.nih.gov/commons-help/216.htm.	Field is added with form V1_2	
Senior/Key Person (R&R)	PD/PI Profile, Degree Year	4.30.1	V1_2 Adobe Forms B						Field is added with form V1_2	

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Senior/Key Person (R&R)	Biosketch	4.4.1		N	N	E	Limited to four pages	The Senior/Key Person Biosketch for the PD/PI, <first name last name>, is longer than four pages.		
Senior/Key Person (R&R)	Biosketch	4.4.2		N	N	E	Limited to two pages for a DP1 or DP2 application.	The Senior/Key Person Biosketch for the PD/PI is limited to two pages for this application.		
Senior/Key Person (R&R)	Current and Pending Support	4.5.1		N	N	E	Attachment is required for a DP1 or DP2 application.	For this application, a Current and Pending Support attachment must be included for the PD/PI on the Senior/Key Person page		
Senior/Key Person (R&R)	Profile, senior & key person *x*, name	4.6.1		Y			Truncate if first or last name>30 chars, or suffix>5 chars. (Minimum Validations)		Long-term, change in eRA db to 60 chars for last name, 35 for first name, 10 for suffix (all names in db) ("nth" indicates the relative order of this KeyPerson element) If the Commons account was not recognized, store data in eappl_personnel record without the person ID.	
Senior/Key Person (R&R)	Profile, senior & key person *x*, name	4.6.2		N	N	W	If this *and* Commons Account provided (and Commons account is recognized), provide warning if last name *and* first name on account don't match provided name. Comparison to ignore case and embedded spaces, but not embedded punctuation.	The name provided for Key Person <submitted first name last name> on the Senior/Key Person page does not match the eRA Commons account name (<Commons profile first name last name>). The application image will display the name as submitted.		

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Senior/Key Person (R&R)	Profile, senior & key person *x*, name	4.6.3		N	N	W	For S10 applications, provide warning if there are not at least two senior/key persons (other than the PD/PI), with project role of 'Other (specify)'.	Less than 2 senior/key person entries have been included with a project role of 'Other (specify)' on the Senior/Key Person page to represent the major user group cohort. The application will be processed, but a concern may be raised during review.		
Senior/Key Person (R&R)	Profile, senior & key person *x*, name	4.6.4		N	N	E	For DP1 and DP2 applications, provide error if any senior/key persons included (other than the PD/PI on the SF 424 RR Cover)	For this application, the only Senior/Key Person who should be included is the PD/PI who is listed on the SF 424 RR Cover page.		
Senior/Key Person (R&R)	Profile, senior & key person *x*, position title	4.7.1		Y			Truncate if greater than 40 characters. No warning message is needed to the submitter. (Minimum Validations)			
Senior/Key Person (R&R)	Profile, senior & key person *x*, organization name	4.8.1		N	N	E	Needs to be enforced as mandatory.	The organization name for Key Person <Key Person First Name Last Name> must be provided on the Senior/Key Person page.		
Senior/Key Person (R&R)	Profile, senior & key person *x*, department	4.9								
Senior/Key Person (R&R)	Profile, senior & key person *x*, division	4.10								
Senior/Key Person (R&R)	Profile, senior & key person *x*, street 1 and 2	4.11								
Senior/Key Person	Profile, senior & key person	4.12								

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
(R&R)	*x*, city									
Senior/Key Person (R&R)	Profile, senior & key person *x*, county/Parish	4.13								
Senior/Key Person (R&R)	Profile, senior & key person *x*, state	4.14								
Senior/Key Person (R&R)	Profile, senior & key person *x*, province	4.15								
Senior/Key Person (R&R)	Profile, senior & key person *x*, zip code	4.16							Long-term, change in ERA db to 13 characters	
Senior/Key Person (R&R)	Profile, senior & key person *x*, country	4.17								
Senior/Key Person (R&R)	Profile, senior & key person *x*, phone	4.18								
Senior/Key Person (R&R)	Profile, senior & key person *x*, fax	4.19								
Senior/Key Person (R&R)	Profile, senior & key person *x*, e-mail	4.20								
Senior/Key Person (R&R)	Profile, senior & key person *x*, credential	4.21.1		Y	N	E	If specified for a key person with a PD/PI role, must be a valid Commons account. (Minimum Validations)	The eRA Commons Username <Credential>, specified on the Senior/Key Person page for PD/PI <First Name Last Name>, is not a recognized eRA Commons account.		
Senior/Key Person (R&R)	Profile, senior & key person *x*, credential	4.21.2		Y			Truncate if greater than 30 characters, before comparing to account stored in			

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							database. No warning message is needed to the submitter. (Minimum Validations)			
Senior/Key Person (R&R)	Profile, senior & key person *x*, credential	4.21.3		N	N	E	If specified for a key person with a PD/PI role, the Commons account must have a PI role associated with it (may have other roles as well).	The Commons account associated with <Credential> does not have a PI role. Please add a PI role to this account before submitting a changed/corrected application.		
Senior/Key Person (R&R)	Profile, senior & key person *x*, credential	4.21.4		Y	N	E	Must be specified if project role is 'PD/PI'. (Minimum Validations)	The eRA Commons Username has not been specified in the 'Credential' field on the Senior/Key Person page for PD/PI <First Name Last Name>		
Senior/Key Person (R&R)	Profile, senior & key person *x*, project role	4.22.1		N	N	E	For an R36 application (activity code on funding opportunity = 'R36'), there must be at least one key person included in addition to the PD/PI identified in the PD/PI component.	A mentor must be identified for an R36 application. List the mentor as a key person on the Senior/Key Person page.		
Senior/Key Person (R&R)	Profile, senior & key person *x*, project role	4.22.2		N	N	E	For a C06, UC6, or G20 application, there must be at least one key person identified with a project role of 'Other' or 'Other Professional'.	A Facilities Person must be identified for this application. Please provide the information for this person after the PD/PI on the Senior/Key Person page. Specify a project role of 'Other' or 'Other Professional', and an Other Project Role Category of 'Facilities Person'.		
Senior/Key Person (R&R)	Profile, senior & key person *x*, project role	4.22.3		N	N	E	For an S11 application, there must be at least one	A Collaborator must be identified for this application. Please provide the information		

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							key person identified with a project role of 'Other' or 'Other Professional'.	for this person after the PD/PI on the Senior/Key Person page. Specify a project role of 'Other' or 'Other Professional', and an Other Project Role Category of 'Collaborator'.		
Senior/Key Person (R&R)	Profile, senior & key person *x*, project role	4.22.4.1		N	N	E	For an SC2 application, there must be at least one key person identified with a project role of 'Other' or 'Other Professional' and a project role category of 'Mentor'.	A Mentor must be identified for this application. Please provide the information for this person after the PD/PI on the Senior/Key Person page. Specify a project role of 'Other' or 'Other Professional', and an Other Project Role Category of 'Mentor'.		
Senior/Key Person (R&R)	Profile, senior & key person *x*, project role	4.22.5		N	N	E	Provide an error if project role is 'PD/PI' and credential is the same as the PD/PI credential.	PD/PI <First Name Last Name> has been identified in both the PD/PI portion and in the Senior/Key Person Profile portion of the Senior/Key Person page.		
Senior/Key Person (R&R)	Profile, senior & key person *x*, project role	4.22.6		N	N	W	For NIH applications only, , provide a warning if the 'Co-PI' role has been indicated	The role of Co-PD/PI, indicated for Senior/Key Person <First Name Last Name> on the Senior/Key Person page, is not used by NIH to designate multiple PD/PIs. For multiple Principal Investigators use the PD/PI role.		
Senior/Key Person (R&R)	Profile, senior & key person *x*, project role	4.22.6.1		N	N	E	For SC1, SC2, or SC3 applications, provide an error if the 'Co-PI' role has been indicated	The role of 'Co-PD/PI', indicated for Senior/Key Person <First Name Last Name> on the Senior/Key Person page, is not applicable to this mechanism.		
Senior/Key Person (R&R)	Profile, senior & key person *x*, project role	4.22.7		N			If project role is 'PD/PI', identify in database as Multiple PI.		Need to create role record for multiple PIs. Also need to set multi_pi_indicator_code in appls_t. Populate	

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
									affiliation data in person_involvements_t.external_org_id with the org identified as the default account affiliation. Should be indicated in mapping document.	
Senior/Key Person (R&R)	Profile, senior & key person *x*, project role	4.22.8		N	N	E	For an SC1, SC2, or SC3 application, a K or C06 application, provide an error if the project role is 'PD/PI'. K12 and KM1 applications are exempt from this validation.	For this mechanism, applications that include multiple PIs can not be submitted.		
Senior/Key Person (R&R)	Profile, senior & key person *x*, project role	4.22.9		N	N	E	For F Applications, there must be at least one key person identified with a project role of 'Other' or 'Other Professional' and a project role category of 'Sponsor'.	A Sponsor must be identified for this application. Provide the information for this person on the Senior/Key Person page. Specify a project role of Other and an Other Project Role Category of 'Sponsor'		
Senior/Key Person (R&R)	Profile, senior & key person *x*, project role	4.22.10		N	N	E	For VA applications and activity code is IK1, IK2, IK3, IK4IK5, IK6 or I21 provide error if the project role is 'PD/PI'.	For a Career Development mechanism, applications that include multiple PIs can not be submitted.		
Senior/Key Person (R&R)	Profile, senior & key person *x*, other project role category	4.23.1		N	N	E	Accept "Other Project Role Category" only when "Project Role" is "Other" or "Other Professional"	For key person <First Name Last Name> on the Senior/Key Person page, an 'Other Project Role Category' was submitted for a project role of <project role>. This can be used only when Project Role is "Other" or "Other Professional".		

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Senior/Key Person (R&R)	Senior & key person *x*, Degree Type	4.31.1	V1_2 Adobe Forms B	N	N	W	If PD/PI role is selected, provide a warning if no degrees have been included on the application and are listed in Commons Personal Profile	No degrees are listed for the PD/PI in the Commons Profile or have been submitted on the R&R Senior/Key Profile. If the degrees listed in the eRA Commons are not current, please update them in the eRA Commons. Instructions on updating profile information are available at https://commons.era.nih.gov/commons-help/216.htm.	Field is added with form V1_2	
Senior/Key Person (R&R)	Senior & key person *x*, Degree Year	4.32.1	V1_2 Adobe Forms B						Field is added with form V1_2	
Senior/Key Person (R&R)	Senior & key person *x*, Biosketch	4.24.1		N	N	E	Limited to four pages	The Biosketch for Senior/Key Person <first name last name> on the Senior/Key Person page is longer than four pages.		
Senior/Key Person (R&R)	Senior & key person *x*, Current and Pending Support	4.25.1		N	N	W	For S10 applications, provide warning if no attachment is provided for any three senior/key persons with project role of 'Other (specify)' or with project role of 'PD/PI'.	Less than 3 Current and Pending Support attachments have been included for the major user group cohort on the Senior/Key Person page. The application will be processed, but a concern may be raised during review.	This attachment can be received for a PD/PI, or for a senior/key person with a role of 'Other (specify)'. We need to make sure that at least 3 of these attachments are submitted, whether 1 is submitted for the PD/PI and 2 for the senior/key person (with role of 'Other (specify)'), or 3 are submitted for the senior key person (with role of 'Other (specify)').	
Senior/Key Person (R&R)	Additional Senior/Key Person Profiles	4.26.1		N	N	E	For version 1.0 of Key Person component, accept only if eight key personnel have been	An Additional Senior/Key Person Profiles attachment may be submitted only if eight senior/key person profiles have been submitted on the		

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							submitted on the Senior/Key Person page.	Senior/Key Person page.		
Senior/Key Person (R&R)	Additional Senior/Key Person Profiles	4.26.2		N	N	E	For the Research & Related Senior/Key Person Expanded version of Key Person component, accept only if 40 key personnel have been submitted on the Senior/Key Person page.	An Additional Senior/Key Person Profiles attachment may be submitted only if 40 senior/key person profiles have been submitted on the Senior/Key Person page.		
Senior/Key Person (R&R)	Additional Senior/Key Person Profiles	4.26.3		N	N	E	Provide error if included for a DP1 or DP2 application.	The Additional Senior/Key Person Profiles attachment cannot be submitted for this application.		
Senior/Key Person (R&R)	Additional Senior/Key Person Biosketch	4.27.1		N	N	E	Accept only if an Additional Senior/Key Person Profiles attachment has been submitted and accepted.	An Additional Senior/Key Person Biosketch attachment may be submitted on the Senior/Key Person page only if an Additional Senior/Key Person Profiles attachment has been submitted and accepted.		
Senior/Key Person (R&R)	Additional Senior/Key Person Biosketch	4.27.2		N	N	E	Provide error if included for a DP1 or DP2 application.	The Additional Senior/Key Person Biosketch attachment cannot be submitted for this application.		
Senior/Key Person (R&R)	Additional Senior/Key Person Current and Pending Support	4.28.1		N	N	E	Accept only if an Additional Senior/Key Person Profiles attachment has been submitted and accepted.	An Additional Senior/Key Person Current and Pending Support attachment may be submitted on the Senior/Key Person page only if an Additional Senior/Key Person Profiles attachment has been submitted and accepted.		
Senior/Key Person	Additional Senior/Key	4.28.2		N	N	E	Provide error if included for a DP1 or	The Additional Senior/Key Person Current and Pending		

Form	Field	Rule	Form Version / Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
(R&R)	Person Current and Pending Support						DP2 application.	Support attachment cannot be submitted for this application.		

R&R Budget

Budget, A&B, Year X (R&R)

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Budget, A&B, Year *x* (R&R)							Unless specifically stated, all project budget validations also apply to the subaward budget.		In mapping, assign a budget period ID based on the year of the budget.	
Budget, A&B, Year *x* (R&R)		5.0.1		Y	N	E	Accept submission of modular budget or detailed budget, but not both (Minimum Validations)	Both a modular and a detailed budget have been included with this submission. One or the other may be submitted.		
Budget, A&B, Year *x* (R&R)		5.0.2		Y	N	E	Require a submission of either a modular budget or a detailed budget component. The following mechanisms are exempt from this validation: S10, X01, X02, C06, UC6, G20, DP1, DP2, DP3, F, all Ts, K12, KM1, D43, D71 and U2R. Type 3, 6 and 7 applications are excluded from this validation. (Minimum Validations)	You must include a budget component with this application.	Type 3, 6 and 7 exclusion is added for processing Change of Institution and Supplements only	
Budget, A&B, Year *x* (R&R)		5.0.3		N	N	E	A subaward budget should not be accepted if a modular budget has been included	A subaward budget may not be included if a modular budget has been submitted.		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Budget, A&B, Year *x* (R&R)		5.0.4		N	N	W	An application in response to an R03, R21, R34, or U34 opportunity (but not R21/R33) must be submitted with a modular budget. Non-NIH applications and 'opt out' announcements are exempt from this validation. Applications where the applicant organization is foreign are also exempt from this validation. Changed from Error to Warning	R03, R21, R34, and U34 applications submitted by domestic institutions (U.S.) must use the PHS 398 Modular Budget Form and not the SF 424 RR Budget Form. R21/R33 applicants should check the announcement for budget form requirements.		
Budget, A&B, Year *x* (R&R)		5.0.4.1		N	N	E	An application in response to an SC1, SC2, or SC3 opportunity must be submitted with a modular budget.	SC1, SC2, and SC3 applications must use the PHS 398 Modular Budget Form and not the SF 424 R&R Budget Form.		
Budget, A&B, Year *x* (R&R)		5.0.5		N	N	W	For a revision, if the parent grant budget is modular, only a modular budget component may be submitted	This application should be submitted with the same type of budget as the last competing segment. If the same budget type has been used, then no action is necessary.		
Budget, A&B, Year *x* (R&R)		5.0.6		N	N	E	For an STTR submission, there must be at least one budget included with budget type of subaward/consortium for each year of the STTR (project)	A Research Institution Budget page must be included for each year of an STTR submission		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							budget.			
Budget, A&B, Year *x* (R&R)		5.0.7		N	N	E	For an S11 application, there must be at least one budget included with budget type of subaward/consortium for each year of the project budget.	A subaward budget must be included with this submission for the Collaborator, for each year included on the project budget.		
Budget, A&B, Year *x* (R&R)		5.0.8		N	N	W	For an S21/S22 application, provide a warning if a fourth budget period is included.	No more than three budget years should be included on the 424 RR Budget. The application will be processed, but a concern may be raised during review.		
Budget, A&B, Year *x* (R&R)		5.0.9		N	N	E	For an R15, RF1 and UF1 application (activity code on funding opportunity = 'R15'), return error if more than one budget period has been included.	This application should be submitted with one budget period only. Be sure to comply with the FOA instruction.~~An AREA grant should be submitted for one budget period only (see the SF 424 R&R Budget).~~	Added RF1 and UF1 to validation. Updated error message text.	CQERA00108441
Budget, A&B, Year *x* (R&R)	Organizational DUNS	5.1.1		N	N	E	Required for budget type 'Subaward/Consortium'	The Organizational DUNS has not been included for Sections A&B for <name of organization> on the 424 RR Budget page.		
Budget, A&B, Year *x* (R&R)	Organizational DUNS	5.1.2		N	N	E	One and only one budget should contain the DUNS of the applicant organization.	The project budget must contain the DUNS number for the applicant organization on the 424 RR Budget Page. This number should not appear on a Subaward budget; i.e., a Subaward budget must have a different DUNS number entered.		
Budget, A&B, Year *x* (R&R)	Organizational DUNS	5.1.3		N	N	E	This must be the budget that has been identified as 'Project'	A Subaward budget has been identified for the applicant organization. All budget		

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Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
								requirements for the applicant organization must be included in the project budget.		
Budget, A&B, Year *x* (R&R)	Budget type (project, subaward/consortium)	5.2.1		N	N	E	If a detailed budget is included, there must be one and only one occurrence with a value of 'Project'.	Only one budget with a budget type of 'Project' for Sections A&B may be submitted on the 424 RR Budget page.		
Budget, A&B, Year *x* (R&R)	Name of organization (for subaward/consortium)	5.3.1					If multiple detailed budgets have been included in the submission, all budget error and warning messages should include the name of the organization for which the budget validation has failed.		Since there is a limit of 250 characters for the error message, put the organization name at the end of the message, and truncate if necessary.	
Budget, A&B, Year *x* (R&R)	Start Date	5.4.1		N	N	W	For budget year 1, for Budget Type 'Project', for new applications and resubmissions, must be the same as the Proposed Project Start Date listed on the SF 424 RR Face Page.	For new applications and resubmissions, the start date for the first budget year on the 424 RR Budget page must be the same as the proposed project start date listed on the SF 424 RR Cover page.	Alignment to actual Production code	
Budget, A&B, Year *x* (R&R)	Start Date	5.4.1.1		N	N	W	For budget year 1, for Budget Type 'Project', for new applications and resubmissions, must be the same as the Proposed Project Start Date listed on the SF 424 RR Face Page.	For new applications and resubmissions, the start date for the first budget year on the 424 RR Budget page must be the same as the proposed project start date listed on the SF 424 RR Cover page. <Organization Name>		
Budget, A&B, Year *x*	Start Date	5.4.2		N	N	W	For budget years after budget year 1,	The start date for budget year <budget year> must be equal to	Alignment to current Production code	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
(R&R)							must be greater than or equal to the Proposed Project Start Date listed on the SF 424 RR Face Page.	or later than the proposed project start date listed on the SF 424 RR Cover page.		
Budget, A&B, Year *x* (R&R)	Start Date	5.4.2.1		N	N	E	For budget years after budget year 1, must be greater than or equal to the Proposed Project Start Date listed on the SF 424 RR Face Page.	The start date for budget year <budget year> must be equal to or later than the proposed project start date listed on the SF 424 RR Cover page. . <Organization Name>		
Budget, A&B, Year *x* (R&R)	End Date	5.5.1		N	N	E	Must be greater than the budget start date and less than or equal to the Project Period End Date, both listed on the SF 424 RR Face Page.	The end date for budget year <budget year> must be later than the budget start date and less than or equal to the proposed project end date listed on the SF 424 RR Cover page.		
Budget, A&B, Year *x* (R&R)	Senior/Key Person Name (prefix, first name, middle name, last name, suffix)	5.6.1		Y			Truncate if first or last name>30 chars, or if suffix>5 chars. (Minimum Validations)		Long-term, change in eRA db to 60 chars for last name, 35 for first name, 10 for suffix (all names in db)	
Budget, A&B, Year *x* (R&R)	Senior/Key Person Name (prefix, first name, middle name, last name, suffix)	5.6.2		N	N	E	For first senior/key person with Project Role of PD/PI (for the PI listed on the SF 424 RR Cover only), must match Senior/Key Person form last name and first name. Validation does not apply to STTR submissions.	The name given for the PD/PI for budget year <budget year> on the 424 RR Budget page (section A&B) does not match the name given for the PD/PI on the SF 424 RR Cover.		
Budget, A&B, Year *x*	Senior/Key Person Name	5.6.2.1		N	N	E	For first senior/key person with Project	The name given for the PD/PI for budget year <budget year>		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
(R&R)	(prefix, first name, middle name, last name, suffix)						Role of PD/PI (for the PI listed on the SF 424 RR Cover only), must match Senior/Key Person form last name and first name. Validation does not apply to STTR submissions.	on the 424 RR Budget page (section A&B) does not match the name given for the PD/PI on the SF 424 RR Cover. <Organization Name>		
Budget, A&B, Year *x* (R&R)	Senior/Key Person Project Role	5.7.1		N	N	E	For budgets of type 'Project', there must be at least one record for the budget year with a project role of PD/PI. Validation does not apply to STTR submissions.	There must be a Personnel entry (with a role of "PD/PI") listed for the PI or PD on the 424 RR Detailed Budget Page (section A&B) for budget year <budget year>.	For an STTR submission, the PI/PD could be on the Research Institution Budget.	
Budget, A&B, Year *x* (R&R)	Senior/Key Person Base Salary	5.8.1		N	N	E	Cannot be greater than 99,999,999.99.	The Base Salary for <Senior/Key Person First Name Last Name> on the 424 RR Budget page (section A&B) for Budget Year < Budget Year> exceeds the allowable amount for the agency.		
Budget, A&B, Year *x* (R&R)	Senior/Key Person Cal. Mos	5.9.1		N	N	E	For non-R13 submissions (except for PD/PIs on STTR submissions), a non-zero value for calendar months, academic months, *or* summer months is required for each senior/key person.	Senior/Key Person <First name Last name>, listed on the 424 RR Detailed Budget Page for budget year <budget year>, must include effort of a value greater than zero in calendar months, academic months, or summer months. **Note**: use either calendar months or a combination of academic and summer months. For information about calculating person months, see http://grants.nih.gov/grants/policy/person_months_faqs.htm.		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Budget, A&B, Year *x* (R&R)	Senior/Key Person Cal. Mos	5.9.1.1		N	N	E	For non-R13 submissions (except for PD/PIs on STTR submissions), a non-zero value for calendar months, academic months, *or* summer months is required for each senior/key person.	Senior/Key Person <First name Last name>, listed on the 424 RR Detailed Budget Page for budget year <budget year>, must include effort of a value greater than zero in calendar months, academic months, or summer months. **Note**: use either calendar months or a combination of academic and summer months. For information about calculating person months, see http://grants.nih.gov/grants/policy/person_months_faqs.htm. <Organization Name>		
Budget, A&B, Year *x* (R&R)	Senior/Key Person Cal. Mos	5.9.2		N	N	E	For an R13 submission, a value for calendar months, academic months, *or* summer months is required for each senior/key person. The value may be zero.	Senior/Key Person <First name Last name>, listed on the 424 RR Detailed Budget Page for budget year <budget year>, must include effort (zero or greater) in calendar months, academic months, or summer months. **Note**: use either calendar months or a combination of academic and summer months. For information about calculating person months, see http://grants.nih.gov/grants/policy/person_months_faqs.htm.	Need to confirm that a zero is treated differently from a null value, also that a system to system submission with an empty tag will not result in a zero value being inserted in that element	
Budget, A&B, Year *x* (R&R)	Senior/Key Person Cal. Mos	5.9.2.1		N	N	E	For an R13 submission, a value for calendar months, academic months, *or* summer months is required for each senior/key person. The value may be zero.	Senior/Key Person <First name Last name>, listed on the 424 RR Detailed Budget Page for budget year <budget year>, must include effort (zero or greater) in calendar months, academic months, or summer months. **Note**: use either calendar months or a combination of academic and summer months. For		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
								information about calculating person months, see http://grants.nih.gov/grants/policy/person_months_faqs.htm. <Organization Name>		
Budget, A&B, Year *x* (R&R)	Senior/Key Person Cal. Mos	5.9.3		N	N	E	For PD/PIs on STTR submissions, a non-zero value for calendar months, academic months, *or* summer months is required on either the project budget or the subaward budget. It is not required on both.	PD/PI <First name Last name>, listed on the 424 RR Detailed Budget Page for budget year <budget year>, must include effort of a value greater than zero in calendar months, academic months, or summer months. **Note**: use either calendar months or a combination of academic and summer months. For information about calculating person months, see http://grants.nih.gov/grants/policy/person_months_faqs.htm.		
Budget, A&B, Year *x* (R&R)	Senior/Key Person Cal. Mos	5.9.3.1		N	N	E	For PD/PIs on STTR submissions, a non-zero value for calendar months, academic months, *or* summer months is required on either the project budget or the subaward budget. It is not required on both.	PD/PI <First name Last name>, listed on the 424 RR Detailed Budget Page for budget year <budget year>, must include effort of a value greater than zero in calendar months, academic months, or summer months. **Note**: use either calendar months or a combination of academic and summer months. For information about calculating person months, see http://grants.nih.gov/grants/policy/person_months_faqs.htm. <Organization Name>		
Budget, A&B, Year *x* (R&R)	Senior/Key Person acad. mos	5.10.1		N	N	W	Provide warning if both academic and calendar months have been provided for a person for a	Both academic and calendar months have been included for <Senior/Key Person First Name Last Name> for budget year <budget year> on the 424 RR		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							budget year.	Budget page (section A&B). Please use either calendar months or a combination of academic and summer months. If effort does not change throughout the year, use the calendar months column. If effort varies between academic and summer months, leave the calendar months column blank and use only the academic and summer month's columns.		
Budget, A&B, Year *x* (R&R)	Senior/Key Person acad. mos	5.10.1.1		N	N	W	Provide warning if both academic and calendar months have been provided for a person for a budget year.	Both academic and calendar months have been included for <Senior/Key Person First Name Last Name> for budget year <budget year> on the 424 RR Budget page (section A&B). Please use either calendar months or a combination of academic and summer months. If effort does not change throughout the year, use the calendar months column. If effort varies between academic and summer months, leave the calendar months column blank and use only the academic and summer month's columns. <Organization Name>		
Budget, A&B, Year *x* (R&R)	Senior/Key Person summer mos									
Budget, A&B, Year *x* (R&R)	Senior/Key Person Requested salary									
Budget, A&B, Year *x* (R&R)	Senior/Key Person Fringe benefits	5.13.1		N	N	E	Cannot be greater than 99,999,999.99.	The Fringe Benefit amount for <Senior/Key Person First Name Last Name> on the 424 RR Budget page (section A&B) for		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
								Budget Year < Budget Year> exceeds the allowable amount for the agency.		
Budget, A&B, Year *x* (R&R)	Senior/Key Person Funds Requested	5.14.1		N	N	E	Must be equal to the sum of Requested Salary and Fringe Benefits for the Senior/Key Person for the budget year.	The Funds Requested for <Senior/Key Person First Name Last Name> on the 424 RR Budget page (section A&B) for Budget Year < Budget Year> does not equal the sum of the Requested Salary and the Fringe Benefits for the corresponding budget year.		
Budget, A&B, Year *x* (R&R)	Total funds requested for Senior Key Persons in attachment	5.15.1		N	N	E	Required if Additional Senior Key Persons Attachment is included.	If the Additional Senior Key Persons Attachment is included, the total funds that are requested in the attachment must be provided on the 424 RR Budget Page.		
Budget, A&B, Year *x* (R&R)	Total Funds requested for all senior/key persons									
Budget, A&B, Year *x* (R&R)	Additional Senior Key Persons attachment	5.17.1		N	N	E	Accept only if eight key personnel have been submitted on the budget page for this year.	An Additional Senior/Key Person attachment may be submitted on the 424 RR Budget page (section A&B) for budget year <budget year> only if eight senior/key persons have been submitted on the budget page.		
Budget, A&B, Year *x* (R&R)	Other Personnel, number of personnel)									
Budget, A&B, Year *x* (R&R)	Other Personnel (Project Role)									
Budget, A&B, Year *x* (R&R)	Other Personnel (Cal. Mos)									

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Budget, A&B, Year *x* (R&R)	Other Personnel (acad. mos)									
Budget, A&B, Year *x* (R&R)	Other Personnel (summer mos)									
Budget, A&B, Year *x* (R&R)	Other Personnel (Requested salary)									
Budget, A&B, Year *x* (R&R)	Other Personnel (Fringe benefits)									
Budget, A&B, Year *x* (R&R)	Other Personnel (Funds Requested)									
Budget, A&B, Year *x* (R&R)	Total number other personnel									
Budget, A&B, Year *x* (R&R)	Total Funds Requested other personnel									
Budget, A&B, Year *x* (R&R)	Total salary, wages and fringe benefits	5.28.1		N	N	E	Must equal the sum of Total Funds requested for all senior/key persons and Total Funds Requested other personnel	The Total Salary, Wages and Fringe Benefits for Budget Year <Budget Year> on the 424 RR Budget page (section A&B) does not equal the sum of Total Funds requested for all senior/key persons and Total Funds Requested for other personnel		

Budget, C, D, E, Year X (R&R)

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Budget, C, D, E, Year *x* (R&R)	Equipment description, equipment item									
Budget, C, D, E, Year *x* (R&R)	Equipment description, funds req.									
Budget, C, D, E, Year *x* (R&R)	Equipment description, total funds requested in attachment									
Budget, C, D, E, Year *x* (R&R)	Equipment description, total equipment									
Budget, C, D, E, Year *x* (R&R)	Additional equipment attachment									
Budget, C, D, E, Year *x* (R&R)	Travel, domestic travel costs									
Budget, C, D, E, Year *x* (R&R)	Travel, foreign travel costs									
Budget, C, D, E, Year *x* (R&R)	Total travel cost									
Budget, C, D, E, Year *x* (R&R)	Participant/trainee support costs: tuition									
Budget, C, D, E, Year *x* (R&R)	Participant/trainee support costs: stipends									

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Budget, C, D, E, Year *x* (R&R)	Participant/trainee support costs: travel									
Budget, C, D, E, Year *x* (R&R)	Participant/trainee support costs: subsistence									
Budget, C, D, E, Year *x* (R&R)	Participant/trainee support costs: other									
Budget, C, D, E, Year *x* (R&R)	Participant/trainee support costs: description of other									
Budget, C, D, E, Year *x* (R&R)	Participant/trainee support costs: Number of Participants/Trainees	5.41.1					If Number of participants/Trainees is zero or blank, provide warning for K12 and Km1	The Number of Participants/Trainees on the SF424 RR Budget should be provided for this application		
Budget, C, D, E, Year *x* (R&R)	Participant/trainee support costs: Total Participant/Trainee Support Costs									

Budget, F-K, Year X (R&R)

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Budget, F-K, Year *x* (R&R)	Other Direct Costs (materials & supplies)									
Budget, F-K, Year *x* (R&R)	Other Direct Costs (Publication Costs)									
Budget, F-K, Year *x* (R&R)	Other Direct Costs (Consultant Services)									
Budget, F-K, Year *x* (R&R)	Other Direct Costs (ADP/Computer Services)									
Budget, F-K, Year *x* (R&R)	Other Direct Costs (Subawards/ Consortium/Contractual Costs)									
Budget, F-K, Year *x* (R&R)	Other Direct Costs (Equipment or Facility Rental/User Fees)									
Budget, F-K, Year *x* (R&R)	Other Direct Costs (Alterations and Renovations)									
Budget, F-K, Year *x* (R&R)	Other Direct Costs (other description 1)									

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Budget, F-K, Year *x* (R&R)	Other Direct Costs (other1 funds requested)									
Budget, F-K, Year *x* (R&R)	Other Direct Costs (other description 2)									
Budget, F-K, Year *x* (R&R)	(other2 funds requested)									
Budget, F-K, Year *x* (R&R)	Other Direct Costs (other description 3)									
Budget, F-K, Year *x* (R&R)	(other3 funds requested)									
Budget, F-K, Year *x* (R&R)	Other Direct Costs, Total Other Direct Costs	7.14.1		N	N	E	Must be equal to the sum of other direct costs for the budget year.	The Total Other Direct Costs for Budget Year <Budget Year> on the 424 RR Budget page (section F-K) does not equal the sum of other direct costs for all categories for the corresponding budget year.		
Budget, F-K, Year *x* (R&R)	Total Direct Costs (A-F)	7.15.1		N	N	E	Required.	The Total Direct Costs Funds Requested for Year *x* is required on the 424 RR Budget page (section F-K).		
Budget, F-K, Year *x* (R&R)	Total Direct Costs (A-F)	7.15.2		N	N	E	Must be equal to the sum of total salary, wages and fringe benefits, total funds requested for equipment, total travel cost, total participant/trainee support costs, and total other direct costs	The Total Direct Costs for A-F for Budget Year <Budget Year> on the 424 RR Budget page (section F-K) does not equal the sum of direct costs for Sections A-F.		
Budget, F-K, Year *x*	Total Direct Costs (A-F)	7.15.3		N	N	W	For R01, U01, R03, R21, R34, and U34	The direct cost requests of $250K or less each year (on		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
(R&R)							submissions that are for NIH, provide warning if subtotal direct costs for *every* budget year is < = $250K. Applications where the applicant organization is foreign are exempt from this validation. Calculate subtotal direct costs as follows: Total Direct Costs (A-F) *minus* the sum of Total Indirect Costs for all budgets for the corresponding year with budget type 'subaward/consortium' .	the 424 R&R Budget page section F-K) must be in modules of $25K, using the PHS 398 Modular Budget Form and not the R&R Budget Form. Incorrect applications may be delayed in the peer review process or rejected.		
Budget, F-K, Year *x* (R&R)	Total Direct Costs (A-F)	7.15.4		N	N	W	For an S11 submission, provide a warning on a subaward budget if this is greater than $75K.	The total cost per year for a subaward budget should not be greater than $75K. The application will be processed, but a concern may be raised during review.		
Budget, F-K, Year *x* (R&R)	Total Direct Costs (A-F)	7.15.5		N	N	W	For a G11 submission, provide a warning if subtotal direct costs for budget year 1 is greater than $60K. Calculate subtotal direct costs as follows: Total Direct Costs (A-F) *minus* the sum of Total Indirect Costs for all budgets for the corresponding year with budget type 'subaward/consortium' .	Direct cost requests (on the 424 RR Budget page section F-K) for the first budget year should not be greater than $60K. The application will be processed, but concerns may be raised during review.		
Budget, F-	Total Direct	7.15.6		N	N	E	For a G13 submission,	Direct cost requests (on the		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
K, Year *x* (R&R)	Costs (A-F)						subtotal direct costs on the project budget cannot be greater than 50k. Calculate subtotal direct costs as follows: Total Direct Costs (A-F) *minus* the sum of Total Indirect Costs for all budgets for the corresponding year with budget type 'subaward/consortium' .	424 RR Budget page section F-K) cannot be greater than $50K.		
Budget, F-K, Year *x* (R&R)	Total Direct Costs (A-F)	7.15.7		N	Y Standard	W	For non-SBIR/STTR submissions, non-S21 or S22 submissions, and submissions that are not in response to an RFA, provide warning if subtotal direct costs for *any* budget year is >= 500K (LV for R01, U01, R18, U18, R25). Calculate subtotal direct costs as follows: Total Direct Costs (A-F) *minus* the sum of Total Indirect Costs for all budgets for the corresponding year with budget type 'subaward/consortium' .	Direct cost requests (on the 424 RR Budget page section F-K) >=$500k a year need agreement from ICs, except for RFAs or PAs with budgetary limits. Applications without such approval may be delayed or not accepted for review.		
Budget, F-K, Year *x* (R&R)	Total Direct Costs (A-F)	7.15.7		N	Y Opt Out	W	For R01,U01, R18, U18, R25 (LV)provide warning if subtotal direct costs for *any* budget year is >= 500K). Calculate subtotal direct costs as follows: Total Direct	Warning message for 'opt out' announcements: Be sure that you have complied with the allowable direct cost limitations for this FOA. Applications that do not comply with these instructions may be delayed or not		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							Costs (A-F) *minus* the sum of Total Indirect Costs for all budgets for the corresponding year with budget type 'subaward/consortium' .	accepted for review.		
Budget, F-K, Year *x* (R&R)	Total Direct Costs (A-F)	7.15.8		N	N	W	For R15 submissions provide warning if subtotal direct costs for any budget period is > $300K. Calculate subtotal direct costs as follows: Total Direct Costs (A-F) minus the sum of Total Indirect Costs for all budgets for the corresponding year with budget type 'subaward/consortium' .	Direct cost requests (on the 424 RR Budget page section F-K) are limited to $300k for AREA grants. Applications that exceed this limit may be delayed or not accepted for review.		
Budget, F-K, Year *x* (R&R)	Total Direct Costs (A-F)	7.15.9		N	N	W	For K12 and KM1 provide warning if subtotal direct costs for *any* budget year is >= 500K. Calculate subtotal direct costs as follows: Total Direct Costs (A-F) *minus* the sum of Total Indirect Costs for all budgets for the corresponding year with budget type 'subaward/consortium' .	The Total Direct Cost Provided in the SF424 RR Budget might be in excess of the amount allowed. Please refer to the FOA for Budget limitations and special approval required.		
Budget, F-K, Year *x* (R&R)	Indirect Costs, Indirect Cost Type	7.16.1		Y			Allow submissions to come in with no indirect costs. (Minimum Validations)			
Budget, F-K, Year *x*	Indirect Costs,	7.17.1		N	N	W	Provide warning if less than 1.	The Indirect Cost Rate (on the 424 RR Budget page section		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
(R&R)	Indirect Cost Rate							F-K) is less than 1 for budget Year <Budget Year>. Please note that this figure represents a percentage (e.g., '25.5', not '.255').		
Budget, F-K, Year *x* (R&R)	Indirect Costs, Indirect Cost Rate	7.17.2		N	N	W	If provided for a K application (including K12 and KM1), provide a warning if not equal to 8.	Warning message: The Indirect Cost Rate (on the 424 RR Budget page section F-K) is not equal to 8 for budget Year <Budget Year>.		
Budget, F-K, Year *x* (R&R)	Indirect Costs, Indirect Cost Base	7.18.1		N	N	E	Provide an error if included on a G08, S21, or S22 application.	No indirect cost base may be included for this application on the 424 RR Budget page section F-K, budget year <budget year>.		
Budget, F-K, Year *x* (R&R)	Indirect Costs, Funds Requested	7.19.1		N	N	E	Provide an error if included on a G08, S21, or S22 application.	No indirect cost funds may be requested for this application on the 424 RR Budget page section F-K, budget year <budget year>.		
Budget, F-K, Year *x* (R&R)	Indirect Costs, Cognizant Federal Agency									
Budget, F-K, Year *x* (R&R)	Total Indirect Costs	7.21.1		N	N	E	Must be equal to funds requested for all indirect cost types	The Total Indirect Costs for Budget Year <Budget Year> on the 424 RR Budget page (section F-K) does not equal the sum of indirect costs for each indirect cost type.		
Budget, F-K, Year *x* (R&R)	Total Direct and Indirect Costs	7.22.1		N	N	E	Required	The Total Direct and Indirect Costs Funds Requested for Year *x* is required on the 424 RR Budget page (section F-K).		
Budget, F-K, Year *x* (R&R)	Total Direct and Indirect Costs	7.22.2		N	N	E	Must be equal to the sum of Total Direct Costs and Total Indirect Costs	The Total Direct and Indirect Institutional Costs on the 424 RR Budget page (section F-K) is not equal to the sum of Total Other Direct Costs and Total		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
								Indirect Costs.		
Budget, F-K, Year *x* (R&R)	Fee	7.23.1		N	N	E	A fee cannot be entered for a subaward/consortium budget.	A fee has been entered for year <*x*> of the budget for <organization name> on the 424 RR Budget page (section F-K). Fees are not allowed for subaward/consortium budgets.		
Budget, F-K, Year *x* (R&R)	Budget Justification	7.24.1		N	N	E	If fee is requested for SBIR/STTR, must not be blank or null	A fee has been entered for year <*x*> of the Project budget on the 424 RR Budget page (section F-K). A Budget Justification must be included if a fee has been entered.		
Budget, F-K, Year *x* (R&R)	Budget Justification	7.24.2		N	N	E	If SBIR/STTR Phase I cost limitation is exceeded, must not be blank or null. Cost limitation is 100k, calculated as total cost (direct cost, indirect cost, and fee).	The Phase I cost limitation of 100k has been exceeded. Please explain the deviation in the Budget Justification on the 424 RR Budget page (section F-K).		
Budget, F-K, Year *x* (R&R)	Budget Justification	7.24.3		N	N	E	If SBIR/STTR Phase II cost limitation is exceeded, must not be blank or null. Cost limitation is 750k, calculated as total cost (direct cost, indirect cost, and fee).	The Phase II cost limitation of 750k has been exceeded. Please explain the deviation in the Budget Justification on the 424 RR Budget page (section F-K).		
Budget, F-K, Year *x* (R&R)	Budget Justification	7.24.4		N	N	E	If Fast-Track cost limitation is exceeded, must not be blank or null. Cost limitation is 850k, calculated as total cost (direct cost, indirect cost, and fee).	The Fast-Track cost limitation of 850k has been exceeded. Please explain the deviation in the Budget Justification on the 424 RR Budget page (section F-K).		
Budget, F-K, Year *x* (R&R)	Budget Justification	7.24.5		N	N	E	If Phase I SBIR time limitation is exceeded, must not be blank or null. Time limitation is	The Phase I SBIR time limitation of six months has been exceeded. Please explain the deviation in the	Since there is no cumulative budget justification, this validation will look at the Budget	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							six months, calculated as the time between the start date of the first budget period and the end date of the last budget period.	Budget Justification on the 424 RR Budget page (section F-K).	Justification for the first budget period. Instructions should include this.	
Budget, F-K, Year *x* (R&R)	Budget Justification	7.24.6		N	N	E	If Phase I STTR time limitation is exceeded, must not be blank or null. Time limitation is one year, calculated as the time between the start date of the first budget period and the end date of the last budget period.	The Phase I STTR time limitation of one year has been exceeded. Please explain the deviation in the Budget Justification on the 424 RR Budget page (section F-K).		
Budget, F-K, Year *x* (R&R)	Budget Justification	7.24.7		N	N	E	If Phase II SBIR/STTR time limitation is exceeded, must not be blank or null. Time limitation is two years, calculated as the time between the start date of the first budget period and the end date of the last budget period.	The Phase II SBIR/STTR time limitation of two years has been exceeded. Please explain the deviation in the Budget Justification on the 424 RR Budget page (section F-K).		

Cumulative Budget (R&R)

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Cumulative Budget (R&R)	Section A, Senior/Key Person Total									
Cumulative Budget (R&R)	Section B, Other Personnel Total									
Cumulative Budget (R&R)	Total Number other personnel									
Cumulative Budget (R&R)	Total Salary, Wages, and Fringe Benefits									
Cumulative Budget (R&R)	Section C, Equipment Totals									
Cumulative Budget (R&R)	Section D, Travel, Total									
Cumulative Budget (R&R)	Section D, Travel, Domestic									
Cumulative Budget (R&R)	Section D, Travel, Foreign									
Cumulative Budget (R&R)	Section E, Participant/Trainee, Total									
Cumulative Budget (R&R)	Section E, Participant/Trainee, Tuition, Fees, Health Insurance									

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Cumulative Budget (R&R)	Section E, Participant/Trainee, Stipends									
Cumulative Budget (R&R)	Section E, Participant/Trainee, Travel									
Cumulative Budget (R&R)	Section E, Participant/Trainee, Subsistence									
Cumulative Budget (R&R)	Section E, Participant/Trainee, Other									
Cumulative Budget (R&R)	Section E, Participant/Trainee, Number									
Cumulative Budget (R&R)	Section F, Other Direct Costs, Total									
Cumulative Budget (R&R)	Section F, Other Direct Costs, Materials and Supplies									
Cumulative Budget (R&R)	Section F, Other Direct Costs, Publication Costs									
Cumulative Budget (R&R)	Section F, Other Direct Costs, Consultant Services									
Cumulative Budget (R&R)	Section F, Other Direct Costs,									

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
	ADP/Computer Services									
Cumulative Budget (R&R)	Section F, Other Direct Costs, sub, consortium, contractual									
Cumulative Budget (R&R)	Section F, Other Direct Costs, Equip or facility rental									
Cumulative Budget (R&R)	Section F, Other Direct Costs, Alterations and Renovations									
Cumulative Budget (R&R)	Section F, Other Direct Costs, other									
Cumulative Budget (R&R)	Section G, Direct Costs (A-F), total	8.25.1		N	N	E	Required.	The 424 RR Cumulative Budget Direct Costs is required.		
Cumulative Budget (R&R)	Section G, Direct Costs (A-F), total	8.25.2		N	N	E	Must be equal to the sum of Total Direct Costs for every budget year for this budget.	The 424 RR Cumulative Budget Total Direct Costs does not equal the sum of Total Direct Costs for all budget years.		
Cumulative Budget (R&R)	Section G, Direct Costs (A-F), total	8.25.3		N	N	E	For a G08 submission with one budget period, must be less than or equal to $150k.	The 424 RR Cumulative Budget Total Direct Costs cannot exceed $150k if one budget period has been included.		
Cumulative Budget (R&R)	Section G, Direct Costs (A-F), total	8.25.4		N	N	E	For a G08 submission with two budget periods, must be less than or equal to $300k.	The 424 RR Cumulative Budget Total Direct Costs cannot exceed $300k if two budget periods have been included.		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Cumulative Budget (R&R)	Section G, Direct Costs (A-F), total	8.25.5		N	N	E	For a G08 submission with three budget periods, must be less than or equal to $450k.	The 424 RR Cumulative Budget Total Direct Costs cannot exceed $450k if three budget periods have been included.		
Cumulative Budget (R&R)	Section G, Direct Costs (A-F), total	8.25.6		N	N	E	Cannot be greater than 99,999,999.99.	The Direct Costs (A-F) on the Cumulative 424 RR Budget page (section G) exceeds the allowable amount for the agency.		
Cumulative Budget (R&R)	Section H, Indirect Costs	8.26.1		N	N	E	Must be equal to the sum of Total Indirect Costs for every budget year for this budget.	The 424 RR Cumulative Budget Total Indirect Costs does not equal the sum of Total Indirect Costs for all budget years.		
Cumulative Budget (R&R)	Section H, Indirect Costs	8.26.2		N	N	E	Cannot be greater than 99,999,999.99.	The Indirect Costs on the Cumulative 424 RR Budget page (section H) exceeds the allowable amount for the agency.		
Cumulative Budget (R&R)	Section I, Total Direct and Indirect Costs	8.27.1		N	N	E	Required	The 424 RR Cumulative Budget Total Direct and Indirect Costs is required.		
Cumulative Budget (R&R)	Section I, Total Direct and Indirect Costs	8.27.2		N	N	E	Must be equal to the sum of Total Direct and Indirect Costs for every budget year for this budget.	The 424 RR Cumulative Budget Total Direct and Indirect Costs does not equal the sum of Total Direct and Indirect Costs for all budget years.		
Cumulative Budget (R&R)	Section J, Fee									
Cumulative Budget (R&R)	Budget Justification (attachment)									

Construction Budget (R&R)

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Construction Budget (R&R)	Administration and Legal Expenses, Total Cost								These will have one budget period only. It should be mapped with the same start and end date as the project period.	
Construction Budget (R&R)	Administration and Legal Expenses, Costs Not Allowable for Participation									
Construction Budget (R&R)	Administration and Legal Expenses, Total Allowable Costs	9.3.1		N	N	E	Provide error if not equal to column A (Total Cost) minus column B (Costs Not Allowable for Participation).	The Total Allowable Costs for Administration and Legal Expenses (Construction Budget) must be equal to the difference of columns A (Total Cost) and B (Costs Not Allowable for Participation)		
Construction Budget (R&R)	Land, Structures, Rights-of-way, etc., Total Cost									
Construction Budget (R&R)	Land, Structures, Rights-of-way, etc., Costs Not Allowable for Participation									
Construction Budget (R&R)	Land, Structures, Rights-of-way, etc., Total Allowable Costs	9.6.1		N	N	E	Provide error if not equal to column A (Total Cost) minus column B (Costs Not Allowable for Participation).	The Total Allowable Costs for Land, Structures, Rights-of-way, Appraisals, etc., (Construction Budget) must be equal to the difference of columns A (Total Cost) and B (Costs Not Allowable for Participation)		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Construction Budget (R&R)	Relocation Expenses and Payments, Total Cost									
Construction Budget (R&R)	Relocation Expenses and Payments, Costs Not Allowable for Participation									
Construction Budget (R&R)	Relocation Expenses and Payments, Total Allowable Costs	9.9.1		N	N	E	Provide error if not equal to column A (Total Cost) minus column B (Costs Not Allowable for Participation).	The Total Allowable Costs for Relocation Expenses and Payments (Construction Budget) must be equal to the difference of columns A (Total Cost) and B (Costs Not Allowable for Participation)		
Construction Budget (R&R)	Architectural and Engineering Fees, Total Cost									
Construction Budget (R&R)	Architectural and Engineering Fees, Costs Not Allowable for Participation									
Construction Budget (R&R)	Architectural and Engineering Fees, Total Allowable Costs	9.12.1		N	N	E	Provide error if not equal to column A (Total Cost) minus column B (Costs Not Allowable for Participation).	The Total Allowable Costs for Architectural and Engineering Fees (Construction Budget) must be equal to the difference of columns A (Total Cost) and B (Costs Not Allowable for Participation)		
Construction Budget	Other Architectural									

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
(R&R)	and Engineering Fees, Total Cost									
Construction Budget (R&R)	Other Architectural and Engineering Fees, Costs Not Allowable for Participation									
Construction Budget (R&R)	Other Architectural and Engineering Fees, Total Allowable Costs	9.15.1		N	N	E	Provide error if not equal to column A (Total Cost) minus column B (Costs Not Allowable for Participation).	The Total Allowable Costs for Other Architectural and Engineering Fees (Construction Budget) must be equal to the difference of columns A (Total Cost) and B (Costs Not Allowable for Participation)		
Construction Budget (R&R)	Project Inspection Fees, Total Cost									
Construction Budget (R&R)	Project Inspection Fees, Costs Not Allowable for Participation									
Construction Budget (R&R)	Project Inspection Fees, Total Allowable Costs	9.18.1		N	N	E	Provide error if not equal to column A (Total Cost) minus column B (Costs Not Allowable for Participation).	The Total Allowable Costs for Project Inspection Fees (Construction Budget) must be equal to the difference of columns A (Total Cost) and B (Costs Not Allowable for Participation)		
Construction Budget (R&R)	Site Work, Total Cost									
Constructio	Site Work,									

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
n Budget (R&R)	Costs Not Allowable for Participation									
Constructio n Budget (R&R)	Site Work, Total Allowable Costs	9.21.1		N	N	E	Provide error if not equal to column A (Total Cost) minus column B (Costs Not Allowable for Participation).	The Total Allowable Costs for Site Work (Construction Budget) must be equal to the difference of columns A (Total Cost) and B (Costs Not Allowable for Participation)		
Constructio n Budget (R&R)	Demolition and Removal, Total Cost									
Constructio n Budget (R&R)	Demolition and Removal, Costs Not Allowable for Participation									
Constructio n Budget (R&R)	Demolition and Removal, Total Allowable Costs	9.24.1		N	N	E	Provide error if not equal to column A (Total Cost) minus column B (Costs Not Allowable for Participation).	The Total Allowable Costs for Demolition and Removal (Construction Budget) must be equal to the difference of columns A (Total Cost) and B (Costs Not Allowable for Participation)		
Constructio n Budget (R&R)	Construction, Total Cost									
Constructio n Budget (R&R)	Construction, Costs Not Allowable for Participation									
Constructio n Budget (R&R)	Construction, Total Allowable Costs	9.27.1		N	N	E	Provide error if not equal to column A (Total Cost) minus column B (Costs Not Allowable for Participation).	The Total Allowable Costs for Construction (Construction Budget) must be equal to the difference of columns A (Total Cost) and B (Costs Not Allowable for Participation)		
Constructio n Budget	Equipment, Total Cost									

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
(R&R)										
Construction Budget (R&R)	Equipment, Costs Not Allowable for Participation									
Construction Budget (R&R)	Equipment, Total Allowable Costs	9.30.1		N	N	E	Provide error if not equal to column A (Total Cost) minus column B (Costs Not Allowable for Participation).	The Total Allowable Costs for Equipment (Construction Budget) must be equal to the difference of columns A (Total Cost) and B (Costs Not Allowable for Participation)		
Construction Budget (R&R)	Miscellaneous, Total Cost									
Construction Budget (R&R)	Miscellaneous, Costs Not Allowable for Participation									
Construction Budget (R&R)	Miscellaneous, Total Allowable Costs	9.33.1		N	N	E	Provide error if not equal to column A (Total Cost) minus column B (Costs Not Allowable for Participation).	The Total Allowable Costs for Miscellaneous (Construction Budget) must be equal to the difference of columns A (Total Cost) and B (Costs Not Allowable for Participation)		
Construction Budget (R&R)	Subtotal 1, Total Cost	9.34.1		N	N	E	Provide error if not equal to the sum of lines 1-11, Total Cost	The Total Cost Subtotal on the Construction Budget must be equal to the sum of total costs for all Administration and Legal Expenses entries		
Construction Budget (R&R)	Subtotal 1, Costs Not Allowable for Participation	9.35.1		N	N	E	Provide error if not equal to the sum of lines 1-11, Costs Not Allowable for Participation	The Costs Not Allowable for Participation Subtotal on the Construction Budget must be equal to the sum of all Administration and Legal Expenses entries		
Construction Budget (R&R)	Subtotal 1, Total Allowable Costs	9.36.1		N	N	E	Provide error if not equal to column A (Total Cost) minus column B (Costs Not	The Total Allowable Costs Subtotal on the Construction Budget must be equal to the difference of columns A (Total		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							Allowable for Participation).	Cost) and B (Costs Not Allowable for Participation)		
Construction Budget (R&R)	Subtotal 1, Total Allowable Costs	9.36.2		N	N	E	Provide error if not equal to the sum of lines 1-11, Total Allowable costs	The Total Allowable Costs Subtotal on the Construction Budget must be equal to the sum of all Administration and Legal Expenses entries		
Construction Budget (R&R)	Contingencies, Total Cost									
Construction Budget (R&R)	Contingencies, Costs Not Allowable for Participation									
Construction Budget (R&R)	Contingencies, Total Allowable Costs	9.39.1		N	N	E	Provide error if not equal to column A (Total Cost) minus column B (Costs Not Allowable for Participation).	The Total Allowable Costs for Contingencies on the Construction Budget must be equal to the difference of columns A (Total Cost) and B (Costs Not Allowable for Participation)		
Construction Budget (R&R)	Subtotal 2, Total Cost	9.40.1		N	N	E	Provide error if not equal to the sum of lines 12 and 13, Total Cost	The Total Cost Subtotal on the Construction Budget must be equal to the sum of Contingencies and the subtotal of all Administration and Legal Expenses entries		
Construction Budget (R&R)	Subtotal 2, Costs Not Allowable for Participation	9.41.1		N	N	E	Provide error if not equal to the sum of lines 12 and 13, Costs Not Allowable for Participation	The Costs Not Allowable for Participation Subtotal on the Construction Budget must be equal to the sum of Contingencies and the subtotal of all Administration and Legal Expenses entries		
Construction Budget (R&R)	Subtotal 2, Total Allowable Costs	9.42.1		N	N	E	Provide error if not equal to column A (Total Cost) minus column B (Costs Not Allowable for Participation).	The Total Allowable Costs Subtotal on the Construction Budget must be equal to the difference of columns A (Total Cost) and B (Costs Not Allowable for Participation)		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Construction Budget (R&R)	Subtotal 2, Total Allowable Costs	9.42.2		N	N	E	Provide error if not equal to the sum of lines 12 and 13, Total Allowable Costs	The Total Allowable Costs Subtotal on the Construction Budget must be equal to the sum of Contingencies and the subtotal of all Administration and Legal Expenses entries		
Construction Budget (R&R)	Project (Program) Income, Total Cost									
Construction Budget (R&R)	Project (Program) Income, Costs Not Allowable for Participation									
Construction Budget (R&R)	Project (Program) Income, Total Allowable Costs	9.45.1		N	N	E	Provide error if not equal to column A (Total Cost) minus column B (Costs Not Allowable for Participation).	The Project (Program) Income, Total Allowable Costs on the Construction Budget must be equal to the difference of columns A (Total Cost) and B (Costs Not Allowable for Participation)		
Construction Budget (R&R)	Total Project Costs, Total Cost	9.46.1		N	N	E	Provide error if not equal to line 14 minus line 15, Total Cost	The Total Project Costs, Total Cost on the Construction Budget must be equal to the subtotal minus the Project Income.		
Construction Budget (R&R)	Total Project Costs, Costs Not Allowable for Participation	9.47.1		N	N	E	Provide error if not equal to line 14 minus line 15, Costs Not Allowable for Participation	The Total Project Costs, Costs Not Allowable for Participation on the Construction Budget must be equal to the subtotal minus the Project Income.		
Construction Budget (R&R)	Total Project Costs, Total Allowable Costs	9.48.1		N	N	E	Provide error if not equal to column A (Total Cost) minus column B (Costs Not Allowable for Participation).	The Total Project Costs, Total Allowable Costs on the Construction Budget must be equal to the difference of columns A (Total Cost) and B (Costs Not Allowable for Participation)	Map to appls_t.total_period_amt and appl_periods_t.direct_cost_amt	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Construction Budget (R&R)	Total Project Costs, Total Allowable Costs	9.48.2		N	N	E	Provide error if not equal to line 14 minus line 15, Total Allowable Costs	The Total Project Costs, Total Allowable Costs on the Construction Budget must be equal to the subtotal minus the Project Income.		
Construction Budget (R&R)	Federal Funding									
Construction Budget (R&R)	Federal Assistance Requested									

SBIR/STTR (NIH)

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
SBIR/STTR (NIH)	Program Type (SBIR, STTR, Both)	10.1.1		N	N	E	One and only one choice may be made.	Please select one Program Type, SBIR or STTR on the SBIR/STTR Information page.		
SBIR/STTR (NIH)	Program Type (SBIR, STTR, Both)	10.1.2		N	N	E	Choice must be consistent with the information stored for the announcement: if the announcement is indicated as 'SBIR', 'SBIR' must be selected; if announcement is indicated as 'STTR', 'STTR' must be selected.	You have selected a Program Type of <Program Type> on the SBIR/STTR component on the SBIR/STTR Information page. That is not the correct program type for this announcement. Please refer to the FOA for the correct program type for this application.		
SBIR/STTR (NIH)	Program Type (SBIR, STTR, Both)	10.1.3		N	N	E	'Both' is not a valid choice.	For submissions to this agency, "Both" is not an acceptable value for the "Program Type" field on the 424 RR SBIR/STTR Information Component.		
SBIR/STTR (NIH)	SBIR/STTR Type (Phase I, Phase II, Fast-Track)	10.2.1		N	N	E	One and only one choice may be made.	Please select one SBIR/STTR Type: Phase I, Phase II, or Fast-Track (424 RR SBIR/STTR Information Component).		
SBIR/STTR (NIH)	Question 1.a Small Business Eligibility (Y/N)	10.3.1		N	N	E	Required.		Store response in database	
SBIR/STTR (NIH)	Question 1b. Anticipated number of personnel	10.18	V1_2 Adobe Forms B						Field is added with form V1_2	
SBIR/STTR (NIH)	Question 2. Are Subcontracts Included?	10.4.1		N	N	E	Required.		Store response in database	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
	(Y/N)									
SBIR/STTR (NIH)	Name of Labs/Agencies For Subcontracts	10.5.1		N	N	E	Required entry if response to 'Are Subcontracts Included?' is 'Yes'.	If Question 2 on the SBIR/STTR Information Component indicates that subcontracts are included, the name(s) of labs or agencies for subcontracts must be included.	Store response in database	
SBIR/STTR (NIH)	Name of Labs/Agencies For Subcontracts	10.5.2		N	N	E	Cannot be included if response to 'Are Subcontracts Included?' is 'No'.	If Question 2 on the SBIR/STTR Information Component indicates that subcontracts are not included, the name(s) of labs or agencies for subcontracts cannot be included.		
SBIR/STTR (NIH)	Question 3. Located in HUBZone (Y/N)	10.6.1		N	N	E	Required.		Store response in database	
SBIR/STTR (NIH)	Question 4. Research to be Performed in US? (Y/N)	10.7.1		N	N	E	Required.		Store response in database	
SBIR/STTR (NIH)	Explanation of Foreign Performance	10.8.1		N	N	E	Must be included if answer to 'work to be performed in US' question is 'no'.	If Question 4 on the SBIR/STTR Information Component indicates that research is not to be performed in the US, an explanation attachment must be provided.		
SBIR/STTR (NIH)	Explanation of Foreign Performance	10.8.2		N	N	E	Cannot be included if answer to 'work to be performed in US' question is 'yes'.	If Question 4 on the SBIR/STTR Information Component indicates that research is to be performed in the US, an explanation attachment cannot be provided.		
SBIR/STTR (NIH)	Question 5. Equivalent Submissions (Y/N)	10.9.1		N	N	E	Required.		Store response in database	
SBIR/STTR	Names of	10.10		N	N	E	Required entry if	If the answer of the question 5	Store response in	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
(NIH)	other Federal agencies for equivalent work	.1					answer to 'submittal of equivalent work to other agencies' question is 'yes'.	on the SBIR/STTR form is Yes, name of other Federal agencies for equivalent work must be provided.	database Alignment to current code	
SBIR/STTR (NIH)	Names of other Federal agencies for equivalent work	10.10 .2		N	N	E	Cannot be included if answer to 'submittal of equivalent work to other agencies' question is 'no'.	If the answer of the question 5 on the SBIR/STTR form is No, name of other Federal agencies for equivalent work can not be provided.	Alignment to current code	
SBIR/STTR (NIH)	Question 6. Disclosure Permission Statement (Y/N)	10.11 .1		N	N	E	Required		Map response to appls_t. disclosure_permission_cod e	
SBIR/STTR (NIH)	Commercializ ation Plan Attachment	10.12 .1		N	N	E	Required for Phase II and Fast Track submissions	The Commercialization Plan is required on the SBIR/STTR Information Component for Phase II and Fast Track submissions.		
SBIR/STTR (NIH)	Commercializ ation Plan Attachment	10.12 .2		N	N	E	Cannot be submitted for anything other than Phase II or Fast Track submissions	A Commercialization Plan can only be submitted for Phase II and Fast Track submissions on the SBIR/STTR Information Component		
SBIR/STTR (NIH)	Commercializ ation Plan Attachment	10.12 .3		N	Y Standard	E	Limited to 12 pages (LV).	The Commercialization Plan is limited to 12 pages for this application on the SBIR/STTR Form.		
SBIR/STTR (NIH)	Commercializ ation Plan Attachment	10.12 .3.1		N	Y Opt out	W	Limited to 12 pages (LV).	Warning message for 'opt out' announcements: Be sure that you have complied with the allowable page limitations for the Commercialization Plan for this FOA. Otherwise, your application may be delayed and rejected in the review process.		
SBIR/STTR (NIH)	Question 8. Receipt of Phase II	10.13 .1		N	N	E	Required for SBIR		Store response in database	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
	SBIR Awards (Y/N)									
SBIR/STTR (NIH)	Company Commercialization History Attachment	10.14.1		N	N	E	Required for SBIR		Store response in database	
SBIR/STTR (NIH)	Question 9. SBIR PD/PI Primary Employment (Y/N)	10.15.1		N	N	E	Required for SBIR		Store response in database	
SBIR/STTR (NIH)	Question 10. STTR PD/PI Commitment (Y/N)	10.16.1		N	N	E	Required for STTR		Store response in database	
SBIR/STTR (NIH)	Question 11. STTR work percentages (Y/N)	10.17.1		N	N	E	Required for STTR		Store response in database	

Cover Page (NIH)

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Cover Page (NIH)	PD/PI Information (prefix, first, middle, last, suffix)	11.1.1					Read only, pulled from R&R			
Cover Page (NIH)	Human Subjects Clinical Trial (Y/N)	11.4.1		N	N	E	If the application includes the 398 Cover Page Supplement component, an answer is required if the answer to 'Human Subjects Involved' is "Yes".	The Human Subjects Clinical Trial question on the PHS 398 Cover Page Supplement must be answered if the answer to 'Human Subjects Involved' on the Other Project Information page is "Yes".		
Cover Page (NIH)	Human Subjects Clinical Trial (Y/N)	11.4.2		N	N	E	If Human Subjects NIH-Defined Phase III Clinical Trial is true, must be true.	The Human Subjects Clinical Trial question on the PHS 398 Cover Page Supplement must be "Yes" if the answer to Human Subjects NIH-Defined Phase III Clinical Trial is "Yes.		
Cover Page (NIH)	Human Subjects Clinical Trial (Y/N)	11.4.3		N	N	W	For S10 application, provide a warning if this is true.	The answer to the Human Subjects Clinical Trial question on the PHS 398 Cover Page Supplement should not be 'Yes'. The application will be processed, but a concern may be raised during review.		
Cover Page (NIH)	Human Subjects NIH-Defined Phase III Clinical Trial (Y/N)	11.5.1		N	N	E	An answer is required if the answer to 'Human Subjects Clinical Trial' is "Yes".	The Human Subjects NIH-Defined Phase III Clinical Trial question on the PHS 398 Cover Page Supplement must be answered if the answer to the Human Subjects Clinical Trial question is "Yes"		
Cover Page	Human	11.5.		N	N	E	If Human Subjects	The Human Subjects NIH-		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
(NIH)	Subjects NIH-Defined Phase III Clinical Trial (Y/N)	2					Clinical Trial is false, must be false	Defined Phase III Clinical Trial on the PHS 398 Cover Page Supplement must be "No" if the answer to the Human Subjects Clinical Trial question is "No"		
Cover Page (NIH)	Applicant Organization Contact Information	11.6					Read only, pulled from R&R			
Cover Page (NIH)	Applicant Organization Contact Title	11.7								
Cover Page (NIH)	Applicant Organization Contact Street Address (1 and 2)	11.8.1		Y			If either line>50 characters, truncate. (Minimum Validations)			
Cover Page (NIH)	Applicant Organization Contact City	11.9								
Cover Page (NIH)	Applicant Organization Contact County/Parish	11.10							G.g to correct the Form label 3/20/09	
Cover Page (NIH)	Applicant Organization Contact State	11.11.1		Y	N	E	Required if country is US. (Minimum Validations)	The Applicant Organization State on the PHS 398 Cover Page Supplement must be supplied for US addresses.		
Cover Page (NIH)	Applicant Organization Contact State	11.11.2		Y	N	E	If country is not US must be blank. (Minimum Validations)	The Applicant Organization State on the PHS 398 Cover Page Supplement should be blank for all countries other than the United States.		
Cover Page (NIH)	Applicant Organization Contact State	11.11.3		Y	N	E	Transform state name to 2 char. abbreviation before validating and	The Applicant Organization State on the PHS 398 Cover Page Supplement is not a valid state name.		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							storing. If state name can't be transformed, give error. (Minimum Validations)			
Cover Page (NIH)	Applicant Organization Contact Province	11.12 .1		Y	N	E	Required if country is Canada. (Minimum Validations)	The Applicant Organization Province must be supplied on the PHS 398 Cover Page Supplement for Canadian addresses.	Province should be mapped into same database location as state	
Cover Page (NIH)	Applicant Organization Contact Province	11.12 .2		Y	N	E	If country is not Canada must be blank. (Minimum Validations)	The Applicant Organization Province on the PHS 398 Cover Page Supplement should be blank for all countries other than Canada.		
Cover Page (NIH)	Applicant Organization Contact Province	11.12 .3		Y	N	E	Transform province name to 2 char. abbreviation before validating and storing. If province name can't be transformed, give error. (Minimum Validations)	The Applicant Organization Province on the PHS 398 Cover Page Supplement is not a valid province name.		
Cover Page (NIH)	Applicant Organization Contact Zip Code	11.13 .1		Y	N	E	Required if country is US. (Minimum Validations)	The Applicant Organization Zip Code on the PHS 398 Cover Page Supplement must be entered for US addresses.	Long-term change in eRA db to 13 charaters	
Cover Page (NIH)	Applicant Organization Contact Zip Code	11.13 .2		Y	N	E	Must be 5 or 9 numeric digits if country is US. (Minimum Validations)	The Applicant Organization Zip Code on the PHS 398 Cover Page Supplement must be entered in 5-digit or 9-digit format.		
Cover Page (NIH)	Applicant Organization Contact Zip Code	11.13 .3		Y			For country other than US, if >9 characters, truncate (remove any dashes before truncating). (Minimum Validations)			

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Cover Page (NIH)	Applicant Organization Contact Country	11.14 .1		N	N	E	Must be a valid ISO 3166-1 alpha-3 country code.	The Applicant Organization country code provided (<Country>) on the PHS 398 Cover Page Supplement is not a valid ISO 3166-1 alpha-3 country code.		
Cover Page (NIH)	HESC Involved (Y/N)	11.15 .1		N	N	W	For S10 application, display a warning if this is true.	The answer to the HESC Involved question on the PHS 398 Cover Page Supplement should be 'No'. The application will be processed, but a concern may be raised during review.	Change mapping: set Special Topic code to 13 if HESC Involved is 'yes'. This code is set in appl_special_topics_t.	
Cover Page (NIH)	HESC Involved (Y/N)	11.15 .2		N	N	E	A response is required for this element.	A response of 'Yes' or 'No' is required for the HESC Involved (Y/N) element on the PHS 398 Cover Page.		
Cover Page (NIH)	HESC Cell Lines	11.16 .1		Y	N	E	If HESC involved='Y', must include this or 'Can't be Referenced' (Minimum Validations)	If the answer to 'HESC involved' is "Yes" on the PHS 398 Cover Page Supplement, HESC Cell Lines must be included or the 'Can't be Referenced' checkbox must be checked.		
Cover Page (NIH)	HESC Cell Lines	11.16 .2		Y	N	E	If HESC involved='N', can't include this or 'Can't be Referenced' (Minimum Validations)	If the answer to 'HESC involved' is "No" on the PHS 398 Cover Page Supplement, HESC Cell Lines may not be included and the 'Can't be Referenced' checkbox must not be checked.		
Cover Page (NIH)	HESC Cell Lines	11.16 .3		Y	N	E	If specific stem cell line is included, provide error if stem cell line is not in eRA database or is marked as invalid. Comparison should not be case-sensitive. (Minimum Validations)	Stem cell line <cell line number> on the PHS Cover Page Supplement is invalid. The cell line must be an approved line on the NIH Registry: http://grants.nih.gov/stem_cells/registry/current.htm		
Cover Page	HESC Cell	11.16		N	N	E	If 'Can't Be	If the 'Can't be Referenced'		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
(NIH)	Lines	.4					Referenced' is checked, no other cell lines may be entered.	checkbox is checked on the PHS 398 Cover Page Supplement, no other stem cell lines may be entered.		
Cover Page (NIH)	HESC 'can't be referenced' checkbox	11.17 .1		Y	N	E	If HESC involved='Y', must include this or 'HESC Cell Lines' (Minimum Validations)	If the answer to 'HESC involved' is "Yes" on the PHS 398 Cover Page Supplement, HESC Cell Lines must be included or the 'Can't be Referenced' checkbox must be checked.		
Cover Page (NIH)	HESC 'can't be referenced' checkbox	11.17 .2		Y	N	E	If HESC involved='N', can't include this or 'HESC Cell Lines' (Minimum Validations)	If the answer to 'HESC involved' is "No" on the PHS 398 Cover Page Supplement, HESC Cell Lines may not be included and the 'Can't be Referenced' checkbox must not be checked.		

Modular Budget Years 1- 5 (NIH)

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Modular Budget, Years 1-5 (NIH)		12.0.1		Y	N	E	Accept submission of modular budget or detailed budget, but not both (Minimum Validations)	Both a modular and a detailed budget have been included with this submission. One or the other may be submitted.		
Modular Budget, Years 1-5 (NIH)		12.0.2		N	N	E	Do not accept a modular budget for R13 applications (activity code on funding opportunity = 'R13' or 'U13')	Modular budgets may not be submitted for Conference Grant applications.		
Modular Budget, Years 1-5 (NIH)		12.0.3		N	N	E	Do not accept a modular budget for an application where the applicant organization is foreign	Applications with modular budgets may not be submitted by a foreign applicant organization. Please submit using the 424 RR Budget component.		
Modular Budget, Years 1-5 (NIH)		12.0.4		N	N	W	For a revision, if the parent grant budget is non-modular, only a detailed budget component may be submitted.	This application should be submitted with the same type of budget as the last competing segment. If the same budget type has been used, then no action is necessary.		
Modular Budget, Years 1-5 (NIH)		12.0.5		N	N	E	For an R15, RF1 and UF1 application (activity code on funding opportunity = 'R15'), return error if more than one budget period has been included.	This application should be submitted with one budget period only. Be sure to comply with the FOA instruction.~~An AREA grant should be submitted for one budget period only (see the PHS 398 Modular Budget).~~	Added RF1 and UF1 to validation. Updated error message text.	CQERA00108442
Modular Budget, Years 1-5 (NIH)		12.0.6		N	N	E	Do not accept a modular budget for SBIR/STTR applications	Modular budgets may not be submitted for SBIR/STTR submissions.		

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Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Modular Budget, Years 1-5 (NIH)		12.0.7		N	N	E	For an SC2 application, provide an error if more than three budget periods have been included	An SC2 application may be submitted for a maximum of three budget periods.		
Modular Budget, Years 1-5 (NIH)		12.0.8		N	N	E	For an SC3 application, provide an error if more than four budget periods have been included	An SC3 application may be submitted for a maximum of four budget periods.		
Modular Budget, Years 1-5 (NIH)	Start Date	12.1.1		Y	N	W	For budget period 1, if entered, for new applications and resubmissions to new applications, must be the same as the Project Start Date listed on the SF 424 RR Face Page (Minimum Validations)	For new applications and resubmissions, the modular budget year 1 start date must be the same as the proposed project start date listed on the SF 424 RR Cover Page.		
Modular Budget, Years 1-5 (NIH)	Start Date	12.1.2		N	N	W	For budget years after budget year 1, if entered, must be greater than or equal to the Proposed Project Start Date listed on the SF 424 RR Face Page.	The start date for budget year <budget year> must be equal to or later than the proposed project start date listed on the SF 424 RR Cover page.		
Modular Budget, Years 1-5 (NIH)	End Date	12.2.1		N	N	E	Budget period end date must be greater than budget period start date and less than or equal to project period end date.	The modular budget year <budget year> end date must be later than the modular budget year <budget year> start date and less than or equal to the proposed project end date listed on the SF 424 RR Cover page.		
Modular Budget, Years 1-5 (NIH)	Direct Costs, Direct Cost Less Consortium,	12.3.1		N	N	E	Must be <= 250K, must be a multiple of 25K for each budget year	The total direct costs for modular budget year <budget year> are greater than $250K, or are not in increments of		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
	F&A							$25K.		
Modular Budget, Years 1-5 (NIH)	Direct Costs, Direct Cost Less Consortium, F&A	12.3.3		N	Y Standard	W	For R03 submissions, provide warning if this value for *any* budget year is >50K (LV).	Direct cost requests are limited to $50k a year for this application (PHS 398 Modular Budget, Direct Costs, Direct Cost Less Consortium, F&A). Applications that exceed this limit may be delayed or not accepted for review.		
Modular Budget, Years 1-5 (NIH)	Direct Costs, Direct Cost Less Consortium, F&A			N	Y Opt out	W	For R03 submissions, provide warning if this value for *any* budget year is >50K (LV).	Warning message for 'opt out' announcements: Be sure that you have complied with the allowable direct cost limitations for this FOA. Applications that do not comply with these instructions may be delayed or not accepted for review.		
Modular Budget, Years 1-5 (NIH)	Direct Costs, Direct Cost Less Consortium, F&A	12.3.4		N	Y Standard	W	For R21 submissions, provide warning if this value for *any* budget year is >200K (LV).	Direct cost requests are limited to $200k a year for this application (PHS 398 Modular Budget, Direct Costs, Direct Cost Less Consortium, F&A). Applications that exceed this limit may be delayed or not accepted for review.		
Modular Budget, Years 1-5 (NIH)	Direct Costs, Direct Cost Less Consortium, F&A			N	Y Opt out	W	For R21 submissions, provide warning if this value for *any* budget year is >200K (LV).	Warning message for 'opt out' announcements: Be sure that you have complied with the allowable direct cost limitations for this FOA (PHS 398 Modular Budget, Direct Costs, Direct Cost Less Consortium, F&A). Applications that do not comply with these instructions may be delayed or not accepted for review.		
Modular Budget, Years 1-5	Direct Costs, Direct Cost Less	12.3.5		N	Y Standard	W	For R34 and U34 submissions, provide warning if this value	Direct cost requests are limited to $225k a year for this application (PHS 398 Modular		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
(NIH)	Consortium, F&A						for *any* budget year is >225K (LV).	Budget, Direct Costs, Direct Cost Less Consortium, F&A). Applications that exceed this limit may be delayed or not accepted for review.		
Modular Budget, Years 1-5 (NIH)	Direct Costs, Direct Cost Less Consortium, F&A			N	Y Opt out	W	For R34 and U34 submissions, provide warning if this value for *any* budget year is >225K (LV).	Warning message for 'opt out' announcements: Be sure that you have complied with the allowable direct cost limitations for this FOA. Applications that do not comply with these instructions may be delayed or not accepted for review.		
Modular Budget, Years 1-5 (NIH)	Direct Costs, Direct Cost Less Consortium, F&A	12.3.6		N	N	E	For SC2 or SC3 submissions, provide error if this value for *any* budget year is >100k	Direct cost requests are limited to $100k a year for this application (PHS 398 Modular Budget, Direct Costs, Direct Cost Less Consortium, F&A).		
Modular Budget, Years 1-5 (NIH)	Direct Costs, Consortium, F&A	12.4.1		N	N	E	Must be less than 10,000,000,000	The Consortium F&A amount on the PHS 398 Modular Budget exceeds the allowable amount for the agency.	Grants.gov accepts up to 14 bytes (including 2 decimal places); NIH accepts no more than 10. Long-term db change is recommended.	
Modular Budget, Years 1-5 (NIH)	Direct Costs, Total Direct Costs	12.5.1		N	N	E	Must equal sum of Direct Cost Less Consortium, F&A and Consortium, F&A for the corresponding budget year (if both are submitted). If only Direct Cost Less Consortium, F&A is submitted for that budget year, must equal that.	The total direct costs for modular budget year <budget year> in the PHS 398 Modular Budget do not equal the sum of Direct Cost Less Consortium, F&A and Consortium, F&A		
Modular Budget, Years 1-5	Direct Costs, Total Direct Costs	12.5.2		N	N	E	Must be less than 10,000,000,000	The Total Direct Costs amount on the PHS 398 Modular Budget exceeds the allowable	Grants.gov accepts up to 15 bytes (including 2 decimal places); NIH	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
(NIH)								amount for the agency.	accepts no more than 10. Long-term db change is recommended.	
Modular Budget, Years 1-5 (NIH)	Indirect Costs, Indirect Cost Type 1-4									
Modular Budget, Years 1-5 (NIH)	Indirect Costs, Indirect Cost Rate 1-4	12.7.1		N	N	W	Provide warning if greater than 0 and less than 1.	Indirect Cost Rate is less than 1 for budget year <budget year> (PHS 398 Modular Budget). Please note that this figure represents a percentage.		
Modular Budget, Years 1-5 (NIH)	Indirect Costs, Indirect Cost Base 1-4	12.8.1		N	N	E	Must be less than 10,000,000,000	The Indirect Cost Base amount on the PHS 398 Modular Budget for budget year <budget year>exceeds the allowable amount for the agency.	Grants.gov accepts up to 14 bytes (including 2 decimal places); NIH accepts no more than 10. Long-term db change is recommended.	
Modular Budget, Years 1-5 (NIH)	Indirect Costs, Funds Requested 1-4	12.9.1		N	N	E	Must be less than 10,000,000,000	The Funds Requested amount on the PHS 398 Modular Budget exceeds the allowable amount for the agency.	Grants.gov accepts up to 14 bytes (including 2 decimal places); NIH accepts no more than 10. Long-term db change is recommended.	
Modular Budget, Years 1-5 (NIH)	Indirect Costs, Cognizant Agency									
Modular Budget, Years 1-5 (NIH)	Indirect Costs, Indirect Cost Rate Agreement Date									
Modular Budget, Years 1-5 (NIH)	Indirect Costs, Total Indirect Costs	12.12.1		N	N	E	Must equal sum of Indirect Costs, Funds Requested 1-4 for the corresponding budget year, if any Indirect Costs were	The Total Indirect Costs do not equal the sum of Funds Requested for budget year <budget year> (PHS 398 Modular Budget).	grants.gov accepts up to 15 bytes (including 2 decimal places); NIH accepts no more than 10. Long-term db change is recommended.	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							entered			
Modular Budget, Years 1-5 (NIH)	Indirect Costs, Total Indirect Costs	12.12 .2		N	N	E	Must be less than 10,000,000,000	The Total Indirect Costs amount must be less than 10,000,000,000 (PHS 398 Modular Budget).		
Modular Budget, Years 1-5 (NIH)	Total Direct and Indirect Costs, Funds Requested	12.13 .1		N	N	E	Must be greater than 0 for first budget period.	For Modular Budget Year 1, Total Direct and Indirect Costs must be greater than zero (PHS 398 Modular Budget).		
Modular Budget, Years 1-5 (NIH)	Total Direct and Indirect Costs, Funds Requested	12.13 .2		N	N	E	Must be equal to the sum of Total Direct Costs and Total Indirect Costs for the corresponding budget period.	For Modular Budget Year <budget year> in the PHS 398 Modular Budget, the Total Direct and Indirect Costs must be equal to Total Direct Costs plus Total Indirect Costs requested for that budget year.		
Modular Budget, Years 1-5 (NIH)	Total Direct and Indirect Costs, Funds Requested	12.13 .3		N	N	E	Must be less than 10,000,000,000	The Total Direct and Indirect Costs amount on the PHS 398 Modular Budget exceeds the allowable amount for the agency.	grants.gov accepts up to 15 bytes (including 2 decimal places); NIH accepts no more than 10. Long-term db change is recommended.	

Modular Budget Cumulative (NIH)

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Modular Budget, Cumulative (NIH)	Total Direct Cost less Consortium F&A for Entire Project Period	13.1.1		N	N	E	Must be equal to the sum of all Total Direct Cost less Consortium F&A values for all budget years	The Total Direct Cost less Consortium F&A for Entire Project Period in the PHS 398 Modular Budget must be equal to the sum of Total Direct Cost Less Consortium F&A values for all budget years.		
Modular Budget, Cumulative (NIH)	Total Direct Cost less Consortium F&A for Entire Project Period	13.1.2		N	Y Standard	W	For R03 submissions, provide warning if this value is >100K (LV).	Cumulative direct cost requests on the PHS 398 Modular Budget are limited to a total of $100k for this application. Applications that exceed this limit may be delayed or not accepted for review.		
Modular Budget, Cumulative (NIH)	Total Direct Cost less Consortium F&A for Entire Project Period			N	Y Opt out	W	For R03 submissions, provide warning if this value is >100K (LV).	Warning message for 'opt out' announcements: Be sure that you have complied with the allowable cumulative direct cost limitations for this FOA. Applications that do not comply with these instructions may be delayed or not accepted for review.		
Modular Budget, Cumulative (NIH)	Total Direct Cost less Consortium F&A for Entire Project Period	13.1.3		N	Y Standard	W	For R21 submissions, provide warning if this value is >275K (LV).	Cumulative direct cost requests on the PHS 398 Modular Budget are limited to a total of $275k for this application. Applications that exceed this limit may be delayed or not accepted for review.		
Modular Budget, Cumulative (NIH)	Total Direct Cost less Consortium F&A for Entire Project Period			N	Y Opt out	W	For R21 submissions, provide warning if this value is >275K (LV).	Warning message for 'opt out' announcements: Be sure that you have complied with the allowable cumulative direct cost limitations for this FOA. Applications that do not comply with these instructions may be		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
								delayed or not accepted for review.		
Modular Budget, Cumulative (NIH)	Total Direct Cost less Consortium F&A for Entire Project Period	13.1.4		N	Y Standard	W	For R34 and U34 submissions, provide warning if this value is >450K (LV).	Cumulative direct cost requests on the PHS 398 Modular Budget are limited to a total of $450k for this application Applications that exceed this limit may be delayed or not accepted for review.		
Modular Budget, Cumulative (NIH)	Total Direct Cost less Consortium F&A for Entire Project Period			N	Y Opt out	W	For R34 and U34 submissions, provide warning if this value is >450K (LV).	Warning message for 'opt out' announcements: Be sure that you have complied with the allowable cumulative direct cost limitations for this FOA. Applications that do not comply with these instructions may be delayed or not accepted for review.		
Modular Budget, Cumulative (NIH)	Total Direct Cost less Consortium F&A for Entire Project Period	13.1.5		N	N	E	Cannot be greater than 99,999,999.99.	The Total Direct Cost less Consortium F&A for Entire Project Period in the PHS 398 Modular Budget exceeds the allowable amount for the agency.		
Modular Budget, Cumulative (NIH)	Total Consortium F&A for Entire Project Period	13.2.1		N	N	E	Must be equal to the sum of all Consortium F&A values for all budget years	The Total Consortium F&A for Entire Project Period must be equal to the sum of Consortium F&A values for all budget years (PHS 398 Modular Budget).		
Modular Budget, Cumulative (NIH)	Total Consortium F&A for Entire Project Period	13.2.2		N	N	E	Must be less than 10,000,000,000	The Total Consortium F&A for Entire Project Period amount on the PHS 398 Modular Budget exceeds the allowable amount for the agency.	grants.gov accepts up to 15 bytes (including 2 decimal places); NIH accepts no more than 10. Long-term db change is recommended.	
Modular Budget, Cumulative (NIH)	Total Costs, Total Direct Costs for Entire Project	13.3.1		N	N	E	Must be equal to the sum of Total Direct Costs for all budget years	The Total Direct Costs for the Entire Proposed Project Period must be equal to the sum of the Total Direct Costs for all budget		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
	Period							years (PHS 398 Modular Budget).		
Modular Budget, Cumulative (NIH)	Total Costs, Total Direct Costs for Entire Project Period	13.3.2		N	N	E	Must be less than 10,000,000,000	The Total Direct Costs for Entire Project Period amount on the PHS 398 Modular Budget exceeds the allowable amount for the agency.	grants.gov accepts up to 15 bytes (including 2 decimal places); NIH accepts no more than 10. Long-term db change is recommended.	
Modular Budget, Cumulative (NIH)	Total Costs, Total Indirect Costs for Entire Project Period	13.4.1		N	N	E	Must be equal to the sum of Total Indirect Costs for all budget years	The Total Indirect Costs Requested for Entire Project Period must be equal to the sum of Total Indirect Costs for all budget years (PHS 398 Modular Budget).		
Modular Budget, Cumulative (NIH)	Total Costs, Total Indirect Costs for Entire Project Period	13.4.2		N	N	E	Cannot be greater than 99,999,999.99.	The Total Indirect Costs Requested for Entire Project Period in the PHS 398 Modular Budget exceeds the allowable amount for the agency.	grants.gov accepts up to 15 bytes (including 2 decimal places); NIH accepts no more than 10. Long-term db change is recommended.	
Modular Budget, Cumulative (NIH)	Total Costs, Total Direct and Indirect Costs for Entire Project Period	13.5.1		N	N	E	Must be equal to the sum of all Total Direct and Indirect Costs values for all budget years	The Total Direct and Indirect Costs for Entire Project Period must be equal to the sum of all Total Direct and Indirect Costs values for all budget years (PHS 398 Modular Budget).		
Modular Budget, Cumulative (NIH)	Total Costs, Total Direct and Indirect Costs for Entire Project Period	13.5.2		N	N	E	Must be less than 10,000,000,000	The Total Direct and Indirect Costs for Entire Project Period amount on the PHS 398 Modular Budget exceeds the allowable amount for the agency.	grants.gov accepts up to 15 bytes (including 2 decimal places); NIH accepts no more than 10. Long-term db change is recommended.	
Modular Budget, Cumulative (NIH)	Budget Justifications, Personnel Justification	13.6.1		N	N	W	Provide a warning if this attachment hasn't been included with a modular budget.	In most cases, a Personnel Justification attachment should be included if a Modular Budget is being submitted.		
Modular Budget, Cumulative	Budget Justifications, Consortium									

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
(NIH)	Justification									
Modular Budget, Cumulative (NIH)	Budget Justifications, Additional Narrative Justification									

Checklist (NIH)

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Checklist (NIH)	Type of Application	14.1.1					Read only, pulled from R&R			
Checklist (NIH)	Type of Application	14.1.2		Y			Allow a submission with no Checklist component. (Minimum Validations)			
Checklist (NIH)	Federal Identifier	14.2					Read only, pulled from R&R			
Checklist (NIH)	Change of Investigator/Change of Inst.: Change of PI	14.3.1		N	N	W	Not accepted for revisions. From Error to Warning	A revision may not be submitted if a Change of PI has been indicated on the PHS 398 Checklist. Revisions must have the same PI as the parent grant.	ARRA Revisions temporary change from Error to Warning.	
Checklist (NIH)	Change of Investigator/Change of Inst.: Change of PI	14.3.2		N	N	E	Not accepted for K applications (except K12 and KM1)	A Change of PI can not be indicated on the PHS 398 Checklist for a Career Development Award application.		
Checklist (NIH)	Change of Investigator/Change of Inst.: Name of former PI (Prefix, First Name, Middle Name, Last Name, Suffix)	14.4.1		N	N	E	Must be included if application is for change of PI	The name of the former PI must be included if there has been a Change of PI indicated on the PHS 398 Checklist.		
Checklist (NIH)	Change of Investigator/Change of Inst.: change of grantee inst.	14.5.1		N	N	W	Warning for al Ts K12 and KM1 if change of Grantee Institution is selected	A Change of Grantee Institution on the PHS398 Checklist is generally not allowed for this application.		
Checklist (NIH)	Change of Investigator/Change of	14.6.1		Y			If >40 characters, truncate (Minimum Validations)		grants.gov length is 120, our db length is 40. Consider long-term db	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
	Inst.: name of former inst.								change	
Checklist (NIH)	Inventions and Patents, Yes	14.7.1		N	N	E	Error for all Ts if Inventions and Patents, Yes is selected	An Inventions and Patents selection on the PHS398 Checklist does not apply for this application.		
Checklist (NIH)	Inventions and Patents, No	14.8								
Checklist (NIH)	Inventions and Patents, Previously Reported (Yes or No)	14.9.1		N	N	E	Must be answered if response to Inventions and Patents is 'Yes'	Inventions and Patents, Previously Reported on the PHS 398 Checklist must be answered if the answer to Inventions and Patents is 'Yes.'		
Checklist (NIH)	Inventions and Patents, Previously Reported (Yes or No)	14.9.2		N	N	E	Should not be answered if response to Inventions and Patents is 'No'	Inventions and Patents, Previously Reported on the PHS 398 Checklist should not be answered if the answer to Inventions and Patents is 'No'		
Checklist (NIH)	Program Income Anticipated (Y/N)	14.10								
Checklist (NIH)	Program Income, Budget Period 1-5	14.11.1		N	N	E	Should only be completed if answer to Program Income Anticipated question was 'Y'.	If answer to Program Income Anticipated question on the PHS 398 Checklist is 'N', no program income detail may be entered.		
Checklist (NIH)	Program Income, Budget Period 1	14.11.2		N	N	E	Provide error if provided for S10 application.	No program income may be included on the PHS 398 Checklist for S10 applications.		
Checklist (NIH)	Program Income, Budget Period 1	14.11.3		N	N	E	The number of program income budget periods must be less than or equal to the number of budgets provided in the budget	Anticipated amount for program income has been provided for <x> budget years on the PHS 398 Checklist. Only <y> years of budgets were provided with this application.'		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							component.			
Checklist (NIH)	Program Income, Anticipated Amount 1-5	14.12 .1		N	N	E	Must be less than 10,000,000,000	The Program Income Anticipated Amount on the PHS 398 Checklist for budget period <budget period> exceeds the allowable amount for the agency.	grants.gov accepts up to 14 bytes (including 2 decimal places); NIH accepts no more than 10, with 2 decimal places. Long-term db change is recommended.	
Checklist (NIH)	Program Income, Sources 1-5	14.13								
Checklist (NIH)	Disclosure Permission Statement	14.15	V1_3 Adobe Forms B						Field is added with form V1_3	

Research Plan (NIH)

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Research Plan (NIH)	Type of Application	15.1.1					Read only, pulled from R&R			
Research Plan (NIH)	Type of Application	15.1.2		Y			Allow applications to come in without this component. (Minimum Validations)			
Research Plan (NIH)	Research Plan Attachments: Introduction	15.2.1		N	N	E	Required for resubmission	An Introduction must be included for resubmissions on the PHS 398 Research Plan.		
Research Plan (NIH)	Research Plan Attachments: Introduction	15.2.2		N	N	E	Required for revisions.	An Introduction must be included for revisions on the PHS 398 Research Plan.		
Research Plan (NIH)	Research Plan Attachments: Introduction	15.2.3		N	N	E	Limited to 1 page for revisions.	The Introduction for a revision is limited to one page on the PHS 398 Research Plan.		
Research Plan (NIH)	Research Plan Attachments: Introduction	15.2.9	V1_3 Adobe Forms B	N	N	E	Limited to 1 page for resubmissions except for R25	The Introduction for a resubmission is limited to one page on the PHS 398 Research Plan.		
Research Plan (NIH)	Research Plan Attachments: Introduction	15.2.8		N	N	E	Must not be included for a new or renewal application.	The Introduction (see PHS 398 Research Plan) should not be attached for a new or renewal application.	Apply to all form versions	
Research Plan (NIH)	Research Plan Attachments: Introduction	15.2.10	V1_3 Adobe Forms B	N	N	E	Introduction attachment is limited to 3 pages for resubmission type of application for R25	The Introduction is limited to three pages on the PHS 398 Research Plan.		
Research Plan (NIH)	Research Plan Attachments: Specific Aims	15.3.12	V1_3 Adobe Forms B	N	N	E	Required attachment except for DP1, DP2 ~~and X02~~ applications	The Specific Aims attachment is required on the PHS398 Research Plan.	Remove X02 from validation	CQERA00108437

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Research Plan (NIH)	Research Plan Attachments: Specific Aims	15.3.13	V1_3 Adobe Forms B	N	N	E	Provide error if Specific Aims attachment is greater than 1 page	The Specific Aims is limited to 1 page for this application on the PHS398 Research Plan.		
~~Research Plan (NIH)~~	~~Research Plan Attachments: Specific Aims~~	~~15.3.14~~		~~N~~	~~N~~	~~W~~	~~Provide warning if Specific Aims attachment is not attached for X02 applications~~	~~The Specific Aims attachment on the PHS 398 Research Plan form is required, unless otherwise specified in the opportunity announcement.~~	Remove validation	CQERA00108438
Research Plan (NIH)	Research Plan Attachments: Research Strategy	15.20.1	V1_3 Adobe Forms B	N	N	E	Required for all submissions	The Research Strategy section of the PHS 398 Research Plan must be attached to the application.	Field is added with Form V1_3	
Research Plan (NIH)	Research Plan Attachments: Research Strategy	15.20.2	V1_3 Adobe Forms B	N	Y Standard	E	Research Strategy Attachment must be less than or equal to 12 pages ((LV) for R01, U01, R15, R18, U18, R33, R21/R33, R34, U34, DP3, G08, G11, G13, UH2/UH3, SC1, R42 (STTR Phase II) and R44 (SBIR Phase II) including Fast-Track))	The Research Strategy is limited to 12 pages for this application on the PHS398 Research Plan.		
Research Plan (NIH)	Research Plan Attachments: Research Strategy	15.20.3	V1_3 Adobe Forms B	N	N Opt out	W	Research Strategy Attachment must be less than or equal to 12 pages ((LV) for R01, U01, R15, R18, U18, R33, R21/R33, R34, U34, DP3, G08, G11, G13, UH2/UH3, SC1, R42 (STTR Phase II) and R44 (SBIR Phase II) including Fast-	Warning message for 'opt out' announcements: Be sure that you have complied with the allowable page limitations for the Research Strategy on the PHS398 Research Plan for this FOA. Applications that do not comply with these instructions may be delayed or not accepted for review.		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							Track))			
Research Plan (NIH)	Research Plan Attachments: Research Strategy	15.20 .4	V1_3 Adobe Forms B	N	Y Standard	E	Research Strategy Attachment must be less than or equal to 6 pages ((LV) for R03, R13, U13, R21, R36, SC2, SC3, R41(STTR Phase I) and R43 (SBIR Phase I))	The Research Strategy is limited to 6 pages for this application on the PHS398 Research Plan.		
Research Plan (NIH)	Research Plan Attachments: Research Strategy	15.20 .5	V1_3 Adobe Forms B	N	N Opt out	W	Research Strategy Attachment must be less than or equal to 6 pages ((LV) for R03, R13, U13, R21, R36, SC2, SC3, R41(STTR Phase I) and R43 (SBIR Phase I))	Warning message for 'opt out' announcements: Be sure that you have complied with the allowable page limitations for the Research Strategy on the PHS398 Research Plan for this FOA. Applications that do not comply with these instructions may be delayed or not accepted for review.		
Research Plan (NIH)	Research Plan Attachments: Research Strategy	15.20 .6	V1_3 Adobe Forms B	N	N	E	Research Strategy Attachment must be less than or equal to 25 pages for R25	The Research Strategy is limited to 25 pages for this application on the PHS398 Research Plan.		
Research Plan (NIH)	Research Plan Attachments: Research Strategy	15.20 .7	V1_3 Adobe Forms B	N	N	W	For **X01** applications, provide a warning if Research Strategy Attachment is greater than 6 pages and less than 12 pages	Be sure that you have complied with the allowable 6 page limit for the Research Strategy on the PHS398 Research Plan for this FOA. Applications that do not comply with these instructions may be delayed or not accepted for review.		
Research Plan (NIH)	Research Plan Attachments: Research Strategy	15.20 .8	V1_3 Adobe Forms B	N	N	E	For **X01** applications, provide an error if Research Strategy Attachment is greater than 12 pages.	The Research Strategy is limited to 12 pages for this application on the PHS398 Research Plan.		
Research	Research	15.20	V1_3	N	N	E	Research Strategy	The Research Strategy is		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Plan (NIH)	Plan Attachments: Research Strategy	.9	Adobe Forms B				Attachment must be less than or equal to 5 pages for DP1	limited to 5 pages for this application on the PHS398 Research Plan.		
Research Plan (NIH)	Research Plan Attachments: Research Strategy	15.20 .10	V1_3 Adobe Forms B	N	N	E	Research Strategy Attachment must be less than or equal to 10 pages for DP2	The Research Strategy is limited to 10 pages for this application on the PHS398 Research Plan.		
Research Plan (NIH)	Research Plan Attachments: Research Strategy	15.20 .11		N	N	E	Research Strategy Attachment must be less than or equal to 12 pages for RF1	The Research Strategy on the PHS 398 Research Plan has exceeded the allowable number of pages for this FOA. Please check the announcement for page limit guidance.	New validation	CQERA001 08443
Research Plan (NIH)	Research Plan Attachments: Research Strategy	15.20 .12		N	N	E	Research Strategy Attachment must be less than or equal to 12 pages for UF1	The Research Strategy on the PHS 398 Research Plan has exceeded the allowable number of pages for this FOA. Please check the announcement for page limit guidance.	New validation	CQERA001 08444
Research Plan (NIH)	Research Plan Attachments: Inclusion Enrollment Report	15.7								
Research Plan (NIH)	Research Plan Attachments: Progress Report Publication List	15.8								
Research Plan (NIH)	Research Plan Attachments: Protection of Human Subjects	15.9. 1		N	N	E	Required for all applications except S10, if Human Subjects is 'yes'.	A Protection of Human Subjects attachment must be included on the PHS 398 Research Plan page if the response to the Human Subjects question on the Other Project Information		

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Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
								page is 'Yes'.		
Research Plan (NIH)	Research Plan Attachments: Inclusion of Women and Minorities	15.10 .1		N	N	E	Required for non-S10 applications if Human Subjects is true and Exemption is not E4	The Inclusion of Women and Minorities Attachment must be included on the PHS 398 Research Plan page if the response to the Human Subjects question on the Other Project Information Page is 'Yes' and if the Exemption Number is not 4.		
Research Plan (NIH)	Research Plan Attachments: Targeted/Planned Enrollment Table	15.11 .1		N	N	E	Required for non-S10 applications if Human Subjects is true and Exemption is not E4	The Targeted/Planned Enrollment Table Attachment must be included on the PHS 398 Research Plan page if the response to the Human Subjects question on the Other Project Information Page is 'Yes' and if the Exemption Number is not 4.		
Research Plan (NIH)	Research Plan Attachments: Inclusion of Children	15.12 .1		N	N	E	Required for non-S10 applications if Human Subjects is true and Exemption is not E4	The Inclusion of Children Attachment must be included on the PHS 398 Research Plan page if the response to the Human Subjects question on the Other Project Information Page is 'Yes' and if the Exemption Number is not 4.		
Research Plan (NIH)	Research Plan Attachments: Vertebrate Animals	15.13 .1		N	N	E	Required for all applications except S10 if VertebrateAnimalsUsedQuestion is Y	A Vertebrate Animals attachment must be included on the PHS 398 Research Plan page if the response to the Vertebrate/Animals Subject Used Question on the Other Project Information page is 'Yes'		
Research Plan (NIH)	Research Plan Attachments: Select Agent Research	15.14								

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Research Plan (NIH)	Research Plan Attachments: Multiple PI Leadership Plan	15.15 .1		N	N	E	Required if multiple PIs are included with the submission	The Multiple PI Leadership Plan attachment on the PHS 398 Research Plan must be included if multiple PIs have been included on the Senior/Key Person page.		
Research Plan (NIH)	Research Plan Attachments: Multiple PI Leadership Plan	15.15 .2		N	N	E	Return error if Leadership Plan is included and there is only one PI identified with the submission	For multiple PD/PI applications, be sure to mark each PI with a role of PD/PI. If not intending to submit a multiple PD/PI application, remove the Multiple PD/PI Leadership Plan attachment from the PHS 398 Research Plan.		
Research Plan (NIH)	Research Plan Attachments: Consortium/Contractual Arrangements	15.16 .1		N	N	E	Required for an S11 application.	An S11 application must include a Consortium/Contractual Arrangement attachment on the PHS 398 Research Plan.		
Research Plan (NIH)	Research Plan Attachments: Letters of Support	15.17 .1		N	N	E	Required for an R36 application (activity code on funding opportunity = 'R36').	An R36 application must include a Letters of Support attachment on the PHS 398 Research Plan. Certification Letters should be included in this attachment.		
Research Plan (NIH)	Research Plan Attachments: Letters of Support	15.17 .2		N	N	E	Required for an S11 application.	An S11 application must include a Letters of Support attachment on the PHS 398 Research Plan.		
Research Plan (NIH)	Research Plan Attachments: Resource Sharing Plan	15.18								
Research Plan (NIH)	Research Plan Attachments: Appendix	15.19 .1		Y	N	E	Limited to 10 appendixes (Minimum Validations).	You have submitted more than 10 appendices on the PHS 398 Research Plan. There is a limit of 10 appendix attachments		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
								allowed.		
Research Plan (NIH)	Research Plan Attachments: Appendix	15.19 .2		N	N	E	At least one appendix is required for an R36 application (activity code on funding opportunity = 'R36').	An R36 application must include at least one Appendix attachment in the PHS 398 Research Plan. Transcripts should be included in this attachment.		
Research Plan (NIH)	Research Plan Attachments: Appendix	15.19 .3		N	N	E	Appendixes are not allowed for SBIR or STTR Phase I applications, unless the application is in response to an RFA.	Appendices may not be submitted for a Phase I SBIR or STTR application on the PHS 398 Research Plan.		
Research Plan (NIH)	Research Plan Attachments: Appendix	15.19 .4		N	N	W	Provide a warning if an appendix is submitted for an SBIR or STTR Phase I application that is in response to an RFA.	For most RFAs, the submission of appendices with a Phase I SBIR or Phase I STTR is not permitted. Be sure that you have complied with the guidance provided for appendices in this FOA. Applications that do not comply with these instructions may be delayed or not accepted for review.		

Cover Letter (NIH)

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Cover Letter (NIH)	Cover Letter Attachment	16.1.1		N	N	W	For an R13 application (activity code on funding opportunity = 'R13' or 'U13'), provide warning if the cover letter is not attached	For NIH applications only, a cover letter should be attached in the PHS 398 Cover Letter section indicating NIH institute approval for a Conference Grant application.		
Cover Letter (NIH)	Cover Letter Attachment	16.1.2		N	N	W	For an application responding to a collaborative announcement, provide a warning if this attachment is not included.	This funding opportunity allows submission of a collaborative group of applications. A Cover Letter attachment must be included (using the PHS Cover Letter component) for all applications that are being submitted as part of a collaborative group. If this application is not part of a collaborative group, no further action is required.	Will need to add indicator to database to identify collaborative announcement, defaulted to 'no'	
Cover Letter (NIH)	Cover Letter Attachment	16.1.3		N	N	E	Required for K applications where reference letter is required (mentored Ks).	A cover letter must be attached for this application. Please include the names of the referees for this application in the cover letter		
Cover Letter (NIH)	Cover Letter Attachment	16.1.4		N	N	E	Required for all F applications	A cover letter must be attached for this application. Please include the names of the referees for this application in the cover letter		

Career Development Award (NIH)

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Career Dev. Award (NIH)	Type of Application	17.1.1					Read only pull from R&R			
Career Dev. Award (NIH)	Career Dev. Award Attachments: Introduction	17.2.1		N	N	E	Required for resubmission (excluding K12 and KM1).	An Introduction must be included for resubmissions on the PHS 398 Career Development Award Supplemental Form.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Introduction	17.2.2	V1_2 Adobe Forms B1	N	N	E	Required for revisions (excluding K12 and KM1),	An Introduction must be included for revisions on the PHS 398 Career Development Award Supplemental Form.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Introduction	17.2.3		N	N	E	Limited to 1 page for revisions (excluding K12 and KM1),	The Introduction for a revision is limited to one page on the PHS 398 Career Development Award Supplemental Form.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Introduction	17.2.5	V1_1 Adobe Forms B	N	N	E	Limited to 1 pages for resubmissions (excluding K12 and KM1),.	The Introduction is limited to one page on the PHS 398 Career Development Award Supplemental Form.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Introduction	17.2.6	V1_1 Adobe Forms B	N	N	E	Must not be included for new or renewal type of application	An Introduction should not be included for new or renewal type of application on the PHS 398 Career Development Award Supplemental Form.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Candidate's Background	17.3.5		N	N	E	Required for all K applications, except K12 and KM1	The Candidate's Background attachment is required on the PHS 398 Career Development Award Supplemental Form.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Candidate's Background	17.3.7	V1_1 Adobe Forms B	N	Y Standard	W	Provide warning if Candidate Information section attachments 2-4 and Research Strategy attachment together are greater than 12 pages and less than	The Candidate Information and Research Strategy sections together are limited to 12 pages on the Career Development Award Supplemental Form. This may span 15 pages due to page breaks		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							or equal to 15 pages (LV)			
Career Dev. Award (NIH)	Career Dev. Award Attachments: Candidate's Background	17.3.8	V1_1 Adobe Forms B	N	Y Opt out	W	Provide warning if Candidate Information section attachments 2-4 and Research Strategy attachment together are greater than 12 pages and less than or equal to 15 pages (LV)	Warning message for 'opt out' announcements: Be sure that you have complied with the allowable page limitations for the Candidate Information section on the Career Development Award Supplemental Form for this FOA. Applications that do not comply with these instructions may be delayed or not accepted for review.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Candidate's Background	17.3.9	V1_1 Adobe Forms B	N	Y Standard	E	Candidate Information section attachments 2-4 and Research Strategy attachment together must be less than or equal to 15 pages (LV)	The Candidate Information and Research Strategy sections together are limited to 12 pages on the Career Development Award Supplemental Form. This may span 15 pages due to page breaks		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Candidate's Background	17.3.10	V1_1 Adobe Forms B	N	Y Opt out	W	Candidate Information section attachments 2-4 and Research Strategy attachment together must be less than or equal to 15 pages (LV)	Warning message for 'opt out' announcements: Be sure that you have complied with the allowable page limitations for the Candidate Information sections on the Career Development Award Supplemental Form for this FOA. Applications that do not comply with these instructions may be delayed or not accepted for review.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Career Goals and Objectives	17.4.1		N	N	E	Required for all K applications, except K12 and KM1	The Career Goals and Objectives attachment is required on the PHS 398 Career Development Award Supplemental Form.		
Career Dev.	Career Dev.	17.5.1		N	N	E	Required for all K	The Career		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Award (NIH)	Award Attachments: Career Development/ Training Activities During Award Period						applications, except K12 and KM1	Development/Training Activities During Award Period attachment is required on the PHS 398 Career Development Award Supplemental Form.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Training in the Responsible Conduct of Research	17.6.1		N	N	E	Required for all K applications, except K12 and KM1	The Training in the Responsible Conduct of Research attachment is required on the PHS 398 Career Development Award Supplemental Form.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Training in the Responsible Conduct of Research	17.6.2		N	N	E	Limited to 1 page	The Training in the Responsible Conduct of Research attachment on the PHS 398 Career Development Award Supplemental Form is limited to 1 page.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Mentoring Plans:	17.7.1		N	N	E	Provide error if provided for a mentored K application	A Mentoring Plan should not be submitted for this application		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Mentoring Plans:	17.7.2		N	N	E	Required for K05 and K24 applications	For K05 and K24 applications the Mentoring Plan attachment is required on the PHS 398 Career Development Award Supplemental Form.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Mentoring Plans:	17.7.3		N	N	W	Limited to 6 pages	The Mentoring Plan attachment on the PHS 398 Career Development Award Supplemental Form may be subject to a page limitation. Be sure to comply with announcement and		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
								application guide instructions. .		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Statements by Mentor, Co-Mentors, Contributors	17.8.1		N	N	E	Required for all mentored K applications	The Statements by Mentor, Co-Mentors, Consultants, Contributors attachment is required for this application.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Statements by Mentor, Co-Mentors, Contributors	17.8.2		N	N	W	Limited to 6 pages	The Statements by Mentor, Co-Mentors, Contributors attachment on the PHS 398 Career Development Award Supplemental Form may be subject to a page limitation. Be sure to comply with announcement and application guide instructions.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Description of Institutional Environment	17.9.1		N	N	E	Required for all K applications, except K12 and KM1	The Description of Institutional Environment attachment is required on the PHS 398 Career Development Award Supplemental Form.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Description of Institutional Environment	17.9.2		N	N	W	Limited to 1 page	The Description of Institutional Environment attachment on the PHS 398 Career Development Award Supplemental Form may be subject to a page limitation. Be sure to comply with announcement and application guide instructions. The Description of Institutional Environment attachment on the PHS 398 Career Development Award		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
								Supplemental Form is limited to 1 page.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Institutional Commitment to Candidate's Research Career Development	17.10.1		N	N	E	Required for all K applications, except K12 and KM1	The Institutional Commitment to Candidate's Research Career Development attachment is required on the PHS 398 Career Development Award Supplemental Form.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Institutional Commitment to Candidate's Research Career Development	17.10.2		N	N	W	Limited to 1 page	The Institutional Commitment to Candidate's Research Career Development attachment on the PHS 398 Career Development Award Supplemental Form may be subject to a page limitation. Be sure to comply with announcement and application guide instructions.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Specific Aims	17.11.1	V1_1 Adobe Forms B	N	N	E	Required for all K applications, except K12 and KM1	The Specific Aims attachment is required on the Career Development Award Supplemental Form.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Specific Aims	17.11.2	V1_1 Adobe Forms B	N	N	E	Limited to 1 page	The Specific Aims is limited to 1 page on the Career Development Award Supplemental Form.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Research Strategy	17.27.1	V1_1 Adobe Forms B	N	N	E	Required for all K applications, except K12 and KM1	The Research Strategy attachment is required on the PHS 398 Career Development Award Supplemental Form.	Field is added with Form V1_1	
Career Dev. Award (NIH)	Career Dev. Award Attachments:	17.15								

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
	Inclusion Enrollment Report									
Career Dev. Award (NIH)	Career Dev. Award Attachments: Progress Report	17.16								
Career Dev. Award (NIH)	Career Dev. Award Attachments: Protection of Human Subjects	17.17.1		N	N	E	Required if Human Subjects is 'yes' (excluding K12 and KM1),	A Protection of Human Subjects attachment must be included on the PHS 398 Career Development Award Supplemental Form if the response to the Human Subjects question on the Other Project Information page is 'Yes'.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Inclusion of Women and Minorities	17.18.1		N	N	E	Required if Human Subjects is true and Exemption is not E4 (excluding K12 and KM1),	The Inclusion of Women and Minorities Attachment must be included on the PHS 398 Career Development Award Supplemental Form if the response to the Human Subjects question on the Other Project Information Page is 'Yes' and if the Exemption Number is not 4.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Targeted Planned Enrollment Table	17.19.1		N	N	E	Required if Human Subjects is true and Exemption is not E4 (excluding K12 and KM1),	The Targeted/Planned Enrollment Table Attachment must be included on the PHS 398 Career Development Award Supplemental Form if the response to the Human Subjects question on the Other Project Information Page is 'Yes' and if the Exemption Number is not 4.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Inclusion of	17.20.1		N	N	E	Required if Human Subjects is true and Exemption is not E4 (excluding K12 and	The Inclusion of Children Attachment must be included on the PHS 398 Career Development Award		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
	Children						KM1),	Supplemental Form if the response to the Human Subjects question on the Other Project Information Page is 'Yes' and if the Exemption Number is not 4.		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Vertebrate Animals	17.21.1		N	N	E	Required if Vertebrate Animals is true (excluding K12 and KM1),	A Vertebrate Animals attachment must be included on the PHS 398 Career Development Award Supplemental Form if the response to the Vertebrate/Animals Subject Used Question on the Other Project Information page is 'Yes'		
Career Dev. Award (NIH)	Career Dev. Award Attachments: Select Agent Research	17.22								
Career Dev. Award (NIH)	Career Dev. Award Attachments: Consortium/Contractual Arrangements	17.23								
Career Dev. Award (NIH)	Career Dev. Award Attachments: Resource Sharing Plan(s)	17.24								
Career Dev. Award (NIH)	Career Dev. Award Attachments: Appendix	17.25.1		N	N	E	Limited to 10 appendixes (excluding K12 and KM1),	You have submitted more than 10 appendices on the PHS 398 Career Development Award Supplemental Form. There is a limit of 10 appendix attachments allowed.		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Career Dev. Award (NIH)	Citizenship	17.26		N	N	W	Provide warning on any K application other than K99 where 'Non-U.S. Citizen with temporary U.S. visa' is checked (excluding K12 and KM1),	You have selected a citizenship choice 'Non-U.S. Citizen with temporary U.S. visa' on the PHS 398 Career Development Award Supplemental Form. This is not a valid citizenship option for this application.		

PHS Fellowship Supplements Form (NIH)

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
PHS Fellowship Supp. Form	Type of Application	18.1					Read only, pulled from R&R			
PHS Fellowship Supp. Form	Fellowship Supplemental Form Attachments: Introduction	18.2.1		N	N	E	Limited to 1 page	The Introduction on PHS Fellowship Supplemental Form is limited to one page.		
PHS Fellowship Supp. Form	Fellowship Supplemental Form Attachments: Introduction	18.2.2		N	N	E	Required for resubmission	An Introduction must be included for Resubmission type of applications on the PHS Fellowship Supplemental Form.	Needed for S2S	
PHS Fellowship Supp. Form	Fellowship Supplemental Form Attachments: Specific Aims	18.3.5	V1_1 Adobe Forms B	N	N	E	Required attachment	The Specific Aims attachment is required on the PHS Fellowship Supplemental Form.		
PHS Fellowship Supp. Form	Fellowship Supplemental Form Attachments: Specific Aims	18.3.6	V1_1 Adobe Forms B	N	N	E	Limited to 1 page	The Specific Aims attachment is limited to 1 page on the PHS Fellowship Supplemental Form.		
PHS Fellowship Supp. Form	Fellowship Supplemental Form Attachments: Research Strategy	18.64.1	V1_1 Adobe Forms B	N	N	E	Required Attachment	The Research Strategy attachment is required on the PHS Fellowship Supplemental Form.	Field is added with form V1_1	
PHS Fellowship Supp. Form	Fellowship Supplemental Form Attachments: Research Strategy	18.64.2	V1_1 Adobe Forms B	N	Y Standard	E	Research Strategy Attachment must be less than or equal to 6 pages (LV)	The Research Strategy is limited to 6 pages on the PHS Fellowship Supplemental Form.		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
PHS Fellowship Supp. Form	Fellowship Supplemental Form Attachments: Research Strategy	18.64 .3	V1_1 Adobe Forms B	N	Y Opt out	W	Research Strategy Attachment must be less than or equal to 6 pages (LV)	Warning message for 'opt out' announcements: Be sure that you have complied with the allowable page limitations for the Research Strategy on the PHS Fellowship Supplemental Form for this FOA. Applications that do not comply with these instructions may be delayed or not accepted for review.		
PHS Fellowship Supp. Form	Fellowship Supplemental Form Attachments: Inclusion Enrollment Report	18.7. 1								
PHS Fellowship Supp. Form	Research Plan Attachments: Progress Report Publication List	18.8. 1								
PHS Fellowship Supp. Form	Human Subjects Involved?	18.9								
PHS Fellowship Supp. Form	Human Subjects Involvement Indefinite (Y/N)	18.10 .1	V1_2 Adobe Forms B1	N	N	E	An answer is required if the answer to 'Human Subjects Involved' is "Yes".	The Human Subjects Involvement Indefinite question on the Fellowship Supplemental Form must be answered if the answer to Human Subjects Involved is 'Yes'.		
PHS Fellowship Supp. Form	Human Subjects Involvement Indefinite (Y/N)	18.10 .2	V1_2 Adobe Forms B1	N	N	E	If Human Subject Involved is 'No' and Human Subjects Involvement Indefinite is 'Yes', provide error	The Human Subjects Involvement Indefinite question cannot be marked 'Yes' on the Fellowship Supplemental Form if the answer to Human Subjects Involved is 'No'.	Needed for S2S	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
PHS Fellowship Supp. Form	Human Subjects Clinical Trial (Y/N)	18.11 .1		N	N	E	If Human Subjects NIH-Defined Phase III Clinical Trial is true, must be true.	The Human Subjects Clinical Trial question on the Fellowship Supplemental Form must be "Yes" if the answer to Human Subjects NIH-Defined Phase III Clinical Trial is "Yes.		
PHS Fellowship Supp. Form	Human Subjects Clinical Trial (Y/N)	18.11 .2		N	N	E	An answer is required if the answer to 'Human Subjects Involved' is "Yes".	The Human Subjects Clinical Trial question on the PHS Fellowship Supplemental Form must be answered if the answer to 'Human Subjects Involved' on the Other Project Information page is "Yes".	Needed for S2S	
PHS Fellowship Supp. Form	Human Subjects NIH-Defined Phase III Clinical Trial (Y/N)	18.12 .1		N	N	E	If Human Subjects Clinical Trial is false, must be false	The Human Subjects NIH-Defined Phase III Clinical Trial on the Fellowship Supplemental Form must be "No" if the answer to the Human Subjects Clinical Trial question is "No"		
PHS Fellowship Supp. Form	Human Subjects NIH-Defined Phase III Clinical Trial (Y/N)	18.12 .2		N	N	E	An answer is required if the answer to 'Human Subjects Clinical Trial' is "Yes".	The Human Subjects NIH-Defined Phase III Clinical Trial question on the PHS Fellowship Supplemental Form must be answered if the answer to the Human Subjects Clinical Trial question is "Yes"	Needed for S2S	
PHS Fellowship Supp. Form	Fellowship Supplemental Form Attachments: Protection of Human Subjects	18.13 .1		N	N	E	Required if Human Subjects is 'yes'.	A Protection of Human Subjects attachment must be included on the Fellowship Supplemental Form if the response to the Human Subjects question on the Other Project Information page is 'Yes'.		
PHS Fellowship Supp. Form	Fellowship Supplemental Form Attachments: Inclusion of Women and Minorities	18.14 .1		N	N	E	Required if Human Subjects is true and Exemption is not E4	The Inclusion of Women and Minorities Attachment must be included on the Fellowship Supplemental Form if the response to the Human Subjects question on the Other Project Information Page is 'Yes' and if the Exemption		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
								Number is not 4.		
PHS Fellowship Supp. Form	Fellowship Supplemental Form Attachments: Targeted/Planned Enrollment Table	18.15.1		N	N	E	Required if Human Subjects is true and Exemption is not E4	The Targeted/Planned Enrollment Table Attachment must be included on the Fellowship Supplemental Form if the response to the Human Subjects question on the Other Project Information Page is 'Yes' and if the Exemption Number is not 4.		
PHS Fellowship Supp. Form	Fellowship Supplemental Form Attachments: Inclusion of Children	18.16.1		N	N	E	Required if Human Subjects is true and Exemption is not E4	The Inclusion of Children Attachment must be included on the Fellowship Supplemental Form if the response to the Human Subjects question on the Other Project Information Page is 'Yes' and if the Exemption Number is not 4.		
PHS Fellowship Supp. Form	Vertebrate animals used?	18.17								
PHS Fellowship Supp. Form	Vertebrate Animals Use Indefinite (Y/N)	18.18.1	V1_2 Adobe Forms B1	N	N	E	Required 'Yes' or 'No' answer if Vertebrate Animals Used is 'Yes'	The Vertebrate Animal Use Indefinite question on the Fellowship Supplemental Form must be answered if the answer to Vertebrate Animal Used is 'Yes'.		
PHS Fellowship Supp. Form	Vertebrate Animals Use Indefinite (Y/N)	18.18.2	V1_2 Adobe Forms B1	N	N	E	If Vertebrate Animals Used is 'No' and Vertebrate Animals Use Indefinite is 'Yes', provide error	The Vertebrate Animal Use Indefinite question cannot be marked 'Yes' on the Fellowship Supplemental Form if the answer to Vertebrate Animal Used is 'No'.	Needed for S2S	
PHS Fellowship Supp. Form	Fellowship Supplemental Form Attachments: Vertebrate Animals	18.19.1		N	N	E	Required if Vertebrate Subjects is true	A Vertebrate Animals attachment must be included on the Fellowship Supplemental Form if the response to the Vertebrate Animals Used question on the Other Project Information page is 'Yes'		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
PHS Fellowship Supp. Form	Fellowship Supplemental Form Attachments: Select Agent Research	18.20								
PHS Fellowship Supp. Form	Fellowship Supplemental Form Attachments: Resource Sharing Plan	18.21								
PHS Fellowship Supp. Form	Fellowship Supplemental Form Attachments: Respective Contributions	18.22 .1		N	N	E	Limited to 1 page	The Respective Contributions attachment on PHS Fellowship Supplemental Form is limited to one page.		
PHS Fellowship Supp. Form	Fellowship Supplemental Form Attachments: Selection of Sponsor and Institution	18.23 .1		N	N	E	Limited to 1 page	The Selection of Sponsor and Institution attachment on PHS Fellowship Supplemental Form is limited to one page.		
PHS Fellowship Supp. Form	Fellowship Supplemental Form Attachments: Responsible Conduct of Research	18.24 .1		N	N	E	Limited to 1 page	The Responsible Conduct of Research attachment on PHS Fellowship Supplemental Form is limited to one page.		
PHS Fellowship Supp. Form	HESC Involved (Y/N)	18.25 .1		N	N	E	A response of Yes or No is required for this element.	A response of 'Yes' or 'No' is required for the HESC Involved (Y/N) element on the PHS Fellowship Supplemental Form.	Rule should not fire as schema enforces a Y or N answer Set Special Topic code to 13 if HESC Involved is 'yes'. This code is set in appl_special_topics_t.	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
PHS Fellowship Supp. Form	HESC 'can't be referenced' checkbox	18.26 .1		N	N	E	If HESC involved='N', can't include this or 'HESC Cell Lines'	If the answer to 'HESC involved' is "No" on the PHS Fellowship Supplement, HESC Cell Lines may not be included and the 'Can't be Referenced' checkbox must not be checked.		
PHS Fellowship Supp. Form	HESC 'can't be referenced' checkbox	18.26 .2		N	N	E	If HESC involved='Y', must include this or 'HESC Cell Lines'	If the answer to 'HESC involved' is "Yes" on the PHS Fellowship Supplemental, HESC Cell Lines must be included or the 'Can't be Referenced' checkbox must be checked.	Needed for S2S	
PHS Fellowship Supp. Form	HESC Cell Lines	18.27 .1		N	N	E	If HESC involved='Y', must include this or 'Can't be Referenced'	If the answer to 'HESC involved' is 'Yes' on the Fellowship Supplemental Form, HESC Cell Lines must be included or the 'Can't be Referenced' checkbox must be checked.	Update code to reflect correct error message text	
PHS Fellowship Supp. Form	HESC Cell Lines	18.27 .2		N	N	E	If specific stem cell line is included, provide error if stem cell line is not in eRA database or is marked as invalid. Comparison should not be case-sensitive.	Stem cell line <cell line number> on the PHS Fellowship Supplemental Form is invalid. The cell line must be an approved line on the NIH Registry: http://grants.nih.gov/stem_cells/registry/current.htm		
PHS Fellowship Supp. Form	HESC Cell Lines	18.27 .3		N	N	E	If HESC involved='N', can't include this or 'Can't be Referenced'	If the answer to 'HESC involved' is "No" on the PHS Fellowship Supplemental Form, HESC Cell Lines may not be included and the 'Can't be Referenced' checkbox must not be checked.	Needed for S2S	
PHS Fellowship Supp. Form	HESC Cell Lines	18.27 .4		N	N	E	If 'Can't Be Referenced' is checked, no other cell lines may be entered.	If the 'Can't be Referenced' checkbox is checked on the PHS Fellowship Supplemental Form, no Stem Cell Lines may be entered.	Needed for S2S	
PHS Fellowship	Candidate: Alternate	18.28								

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Supp. Form	Phone Number									
PHS Fellowship Supp. Form	Candidate: degree sought, degree	18.32 .1		N	N	W	Provide Warning if MDPHD or DBOTH is selected as the degree sought.	Please ensure the PD/PI eRA Commons Profile Degrees/Residency information is current. Instructions on updating profile information are available at https://commons.era.nih.gov/commons-help/216.htm.	Update to Mapping Document: If MDPHD or DBOTH is selected as the degree sought eSub should not attempt to map the data to IMPACII db.	
PHS Fellowship Supp. Form	Candidate: degree sought, other	18.33 .1		N	N	E	If "other degree" is selected, the degree type is required	If "Other Degree" type is selected on the PHS Fellowship Supplemental Form, indicate the Degree Type.	Needed for S2S Other degree selection: MOTH - Other Masters Degree DOTH - Other Doctorate DDOT - Other Doctor of Medical Dentistry MDOT - Other Doctor of Medicine VDOT - Other Doctor of Veterinary Medicine DBOTH: Other Double Degree Program	
PHS Fellowship Supp. Form	Candidate: degree sought, expected completion date	18.34 .1		N	N	E	If 'degree sought' is selected, the degree date is required.	If a "Degree Sought during Proposed Award" is selected on the PHS Fellowship Supplemental Form, indicate the Expected Completion Date for this degree.	Needed for S2S	
PHS Fellowship Supp. Form	Candidate: field of training	18.35								
PHS Fellowship Supp. Form	Candidate: current or prior Kirschstein-NRSA support (y/n)?	18.36 .1		N	N	E	If 'Yes' is selected on' Current or Prior Kirschstein-NRSA support', one level and type is required on the same row of the grid and at least one row of the grid.	At least one entry for Current or Prior Kirschstein-NRSA support information is required on the PHS Fellowship Supplemental form.	Needed for S2S	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
PHS Fellowship Supp. Form	Candidate: current or prior Kirschstein-NRSA support *x*, level	18.37								
PHS Fellowship Supp. Form	Candidate: current or prior Kirschstein-NRSA support *x*, type	18.38								
PHS Fellowship Supp. Form	Candidate: current or prior Kirschstein-NRSA support *x*, start date	18.39								
PHS Fellowship Supp. Form	Candidate: current orprior Kirschstein-NRSA support *x*, end date	18.40 .1		N	N	E	Current or Prior Kirschstein-NRSA Support End date must be greater than Support Start Date on the same row of the grid	The Current or Prior Kirschstein-NRSA support end date must be greater than Support start date on the PHS Fellowship Supplemental Form.	Needed for S2S	
PHS Fellowship Supp. Form	Candidate: current or prior Kirschstein-NRSA support *x*, grant number	18.41								
PHS Fellowship Supp. Form	Candidate: Applications for concurrent support (Y/N)?	18.42								

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
PHS Fellowship Supp. Form	Candidate: current support description attachment	18.43 .1		N	N	E	If 'Yes' selected for Concurrent Support, the Application for Concurrent Support attachment is required	An Application Concurrent Support attachment must be included on the PHS Fellowship Supplemental Form.	Needed for S2S	
PHS Fellowship Supp. Form	Candidate: goals for fellowship training and career attachment	18.44 .1		N	N	E	Limited to 1 page	The Goals for Fellowship Training and Career attachment on PHS Fellowship Supplemental Form is limited to one page.		
PHS Fellowship Supp. Form	Candidate: activities planned under this award attachment	18.45 .1		N	N	E	Limited to 1 page	The Activities planned under this Award attachment on PHS Fellowship Supplemental Form is limited to one page.		
PHS Fellowship Supp. Form	Candidate: doctoral dissertation and other research experience attachment	18.46 .1		N	N	E	Limited to 2 pages	The Doctoral Dissertation And Other Research Experience attachment on the PHS Fellowship Supplemental Form is limited to two pages.		
PHS Fellowship Supp. Form	Candidate: doctoral dissertation and other research experience attachment	18.46 .2		N	N	W	Warning if the doctoral dissertation and other research experience attachment is not included	The Doctoral Dissertation And Other Research Experience attachment on the PHS Fellowship Supplemental Form should be attached as part of the Application.		
PHS Fellowship Supp. Form	Candidate: citizenship	18.47 .1		N	N	E	"Non-US Citizen with temporary U.S. visa" is not a valid selection for all F applications except F05 (Fogarty)	"Non-US Citizen with temporary U.S. visa" is not a valid selection on the PHS Fellowship Supplemental Form for all F applications except F05.		
PHS Fellowship	Change of sponsoring	18.48								

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Supp. Form	institution									
PHS Fellowship Supp. Form	Name of former institution	18.49 .1		N	N	E	If change of Sponsoring Institution is selected, the Name of Former Institution is required	The Name of the Former Institution is required on the PHS Fellowship Supplemental Form, when the Change of Sponsoring Indicator is checked.	Needed for S2S If >40 characters, truncate	
PHS Fellowship Supp. Form	Assurances/Certifications: Explanation	18.50							Field is removed with form V1_1	
PHS Fellowship Supp. Form	Sponsor(s) and Co-Sponsor(s) Information attachment	18.65 .1	V1_2 Adobe Forms B1	N	N	E	Limited to 6 pages	The Sponsor(s) and Co-Sponsor(s) Information attachment is limited to 6 pages on the PHS Fellowship Supplemental Form.	New field added with form V1_2	
PHS Fellowship Supp. Form	Budget: present institutional base salary, amount	18.51 .1		N	N	E	Required for F33	The Amount for the Present Institutional Base Salary is required for Senior Fellowship Applicants on the PHS Fellowship Supplemental Form.		
PHS Fellowship Supp. Form	Budget: present institutional base salary, academic period	18.52 .1		N	N	E	Required for F33	The Academic Period for the Present Institutional Base Salary is required for Senior Fellowship Applicants on the PHS Fellowship Supplemental Form.		
PHS Fellowship Supp. Form	Budget: present institutional base salary, # of months	18.53 .1		N	N	E	Required for F33	The Number of Months for the Present Institutional Base Salary is required for Senior Fellowship Applicants on the PHS Fellowship Supplemental Form.		
PHS Fellowship Supp. Form	Budget: stipends/salary during first year, federal stipend requested, amount	18.54 .1		N	N	E	Required for F33	The Amount for the Federal Stipend Requested Salary is required for Senior Fellowship Applicants on the PHS Fellowship Supplemental Form.		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
PHS Fellowship Supp. Form	Budget: stipends/salary during first year, federal stipend requested, number of months	18.55.1		N	N	E	Required for F33	The Number of Months for the Federal Stipend Requested Salary is required for Senior Fellowship Applicants on the PHS Fellowship Supplemental Form.		
PHS Fellowship Supp. Form	Budget: stipends/salary during first year, supplementation from other sources, amount	18.56.1		N	N	E	Required for F33	The Amount for the Supplementation from other sources is required for Senior Fellowship Applicants on the PHS Fellowship Supplemental Form.		
PHS Fellowship Supp. Form	Budget: stipends/salary during first year, supplementation from other sources, , # of months	18.57.1		N	N	E	Required for F33	The Number of Months for the Supplementation from other sources is required for Senior Fellowship Applicants on the PHS Fellowship Supplemental Form.		
PHS Fellowship Supp. Form	Budget: stipends/salary during first year, supplementation from other sources, type	18.58.1		N	N	E	Required for F33	The Type of Supplementation from other sources is required for Senior Fellowship Applicants on the PHS Fellowship Supplemental Form.		
PHS Fellowship Supp. Form	Budget: stipends/salary during first year, supplementation from other sources, source	18.59.1		N	N	E	Required for F33	The Source of Supplementation from other sources is required for Senior Fellowship Applicants on the PHS Fellowship Supplemental Form.		
PHS Fellowship	Budget: tuition and	18.60.1		N	N	E	If “None Requested” selected on Tuition	If “None Requested” selected on Tuition and Fees on the PHS	Needed for S2S	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Supp. Form	fees, none requested						and Fees, no 'funds requested' should be entered	Fellowship Supplemental Form, no 'Funds Requested' should be entered		
PHS Fellowship Supp. Form	Budget: funds requested, year *x*	18.61								
PHS Fellowship Supp. Form	Budget: total funds requested	18.62 .1		N	N	E	"Total Funds Requested" must equal the sum of all funds requested	The "Total Funds Requested" on the PHS Fellowship Supplemental Form must equal the sum of all funds requested	Needed for S2S	
PHS Fellowship Supp. Form	Appendix	18.63								

PHS 398 Training Program Plan (NIH)

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Research Training Program Plan (NIH)	Type of Application	19					Read only, pulled from R&R			
Research Training Program Plan (NIH)	Research Training Program Plan Attachments: Introduction	19.1.1		N	N	E	Required for resubmission	The Introduction attachment on the PHS 398 Research Training Program Plan must be included when Application Type is Resubmission.		
Research Training Program Plan (NIH)	Research Training Program Plan Attachments: Introduction	19.1.2		N	N	E	Required for revisions.	An Introduction must be included for revisions on the PHS 398 Research Training Program Plan.		
Research Training Program Plan (NIH)	Research Training Program Plan Attachments: Introduction	19.1.3		N	N	E	Limited to 1 page for revisions.	The Introduction for a revision is limited to one page on the PHS 398 Research Training Program Plan.		
Research Training Program Plan (NIH)	Research Training Program Plan Attachments: Introduction	19.1.4		N	N	E	Limited to 3 pages for resubmissions.	The Introduction for a resubmission is limited to three pages on the PHS 398 Research Training Program Plan.		
Research Training Program Plan (NIH)	Research Training Program Plan Attachments: Introduction	19.1.5		N	N	E	Must not be included for a new or renewal type of application	An Introduction should not be included for new or renewal type of applications on the PHS 398 Research Training Program Plan.		
Research Training Program Plan (NIH)	Research Training Program Plan Attachments: Background	19.2.1		N	N	E	Required attachment	The Background attachment is required on the PHS 398 Research Training Program Plan.		
Research Training	Research Training	19.2.2		N	N	W	Provide warning if Research Plan	The Research Training Program Plan attachments 2-4 are		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Program Plan (NIH)	Program Plan Attachments: Background						Attachments 2-4 together are greater than 25 pages and less than or equal to 27 pages	limited to 25 pages. This may span 27 pages due to page breaks. If the total space occupied by text does not exceed 25 pages then no action is needed.		
Research Training Program Plan (NIH)	Research Training Program Plan Attachments: Background	19.2.3		N	N	E	Provide error if Research Plan Attachments 2-4 together are greater than 27 pages	The Research Training Program Plan attachments 2-4 are limited to 25 pages.		
Research Training Program Plan (NIH)	Research Training Program Plan Attachments: Program Plan	19.3.1		N	N	E	Required attachment	The Program Plan attachment is required on the PHS 398 Research Training Program Plan.		
Research Training Program Plan (NIH)	Research Training Program Plan Attachments: Recruitment and Retention Plan to Enhance Diversity	19.4.1		N	N	E	Required attachment for K12, KM1 and all Ts except T34 and T36	The Recruitment and Retention Plan to Enhance Diversity attachment is required on the PHS 398 Research Training Program Plan.		
Research Training Program Plan (NIH)	Research Training Program Plan Attachments: Plan for Instruction in the Responsible Conduct of Research	19.5.1		N	N	E	Required attachment except for T36	The Plan for Instruction in the Responsible Conduct of Research attachment is required on the PHS 398 Research Training Program Plan.		
Research Training Program Plan (NIH)	Research Training Program Plan Attachments: Plan for Instruction in	19.5.2		N	N	E	Limited to 3 pages	The Plan for Instruction in the Responsible Conduct of Research attachment on the PHS 398 Research Training Program Plan is limited to 3 pages.		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
	the Responsible Conduct of Research									
Research Training Program Plan (NIH)	Research Training Program Plan Attachments: Progress Report									
Research Training Program Plan (NIH)	Research Training Program Plan Attachments: Human Subjects	19.7.1		N	N	E	Required if Human Subjects is 'yes' on the Other Project Info component	A Human Subjects attachment must be included on the PHS 398 Research Training Program Plan if the response to the Human Subjects question on the Other Project Information page is 'Yes'.		
Research Training Program Plan (NIH)	Research Training Program Plan Attachments: Vertebrate Animals	19.8.1		N	N	E	Required if Vertebrate Animals is 'Yes' on the Other Project Info component	A Vertebrate Animals attachment must be included on the PHS 398 Research Training Program Plan if the response to the Vertebrate/Animals Subject Used Question on the Other Project Information page is 'Yes'		
Research Training Program Plan (NIH)	Research Training Program Plan Attachments: Select Agent Research	19.9								
Research Training Program Plan (NIH)	Research Training Program Plan Attachments: Multiple PD/PI Leadership Plan	19.10.1		N	N	E	Required if multiple entries on the R&R Senior/Key Person Profile form have the role of PD/PI	The Multiple PD/PI Leadership Plan attachment on the PHS 398 Research Training Program Plan must be included if multiple PD/PIs are identified on the Senior/Key Person Profile form.		
Research	Research	19.11								

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Training Program Plan (NIH)	Training Program Plan Attachments: Consortium/Contractual Arrangements									
Research Training Program Plan (NIH)	Research Training Program Plan Attachments: Participating Faculty Biosketches	19.12.1		N	N	W	Warning if not included for all Ts and D43, D71 and U2R	The Participating Faculty Biosketches attachment on the PHS 398 Research Training Program Plan should be included for this application.		
Research Training Program Plan (NIH)	Research Training Program Plan Attachments: Participating Faculty Biosketches	19.12.2		N	N	E	Error if not included for K12 and KM1	The Participating Faculty Biosketches attachment on the PHS 398 Research Training Program Plan must be included for this application.		
Research Training Program Plan (NIH)	Research Training Program Plan Attachments: Data Tables	19.13.1		N	N	W	Warning if not included	The Data Tables attachment to the PHS 398 Training Program Plan may be required in whole or in part for this application. Check the announcement application guide for requirements.		
Research Training Program Plan (NIH)	Research Training Program Plan Attachments: Letters of Support	19.14								
Research Training Program Plan (NIH)	Research Training Program Plan Attachments: Appendix	19.15								

PHS 398 Training Budget Year x (NIH)

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
398 Training Budget, Year *x*		20					Unless specifically stated, all project budget validations also apply to the subaward budget.			
398 Training Budget, Year *x*	Organizational DUNS	20.1.1		N	N	E	One and only one PHS398 Training budget should contain the DUNS of the applicant organization.	The project budget must contain the DUNS number for the applicant organization on the PHS 398 Training Budget. This number should not appear on a Subaward budget; i.e., a Subaward budget must have a different DUNS number entered.		
398 Training Budget, Year *x*	Organizational DUNS	20.1.2		N	N	E	The Org DUNS must be on the PHS398 training budget that has been identified as 'Project'	A Subaward budget has been identified for the applicant organization. All budget requirements for the applicant organization must be included in the project budget.		
398 Training Budget, Year *x*	Budget type (project, subaward/consortium)	20.2.1		N	N	E	If a PHS398 Training Budget is included, there must be one and only one occurrence with a value of 'Project'.	Only one budget with a budget type of 'Project' for may be submitted on the PHS 398 Training Budget.		
398 Training Budget, Year *x*	Name of organization (for subaward/consortium	20.3							If multiple detailed budgets have been included in the submission, all budget error and warning messages should include the name of the organization for which the budget validation has failed. To be implemented at a	

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
									later date.	
398 Training Budget, Year *x*	Start Date	20.5.1		N	N	E	For budget year 1, for budget type Project, for new applications and resubmissions, must be the same as the Proposed Project Start Date listed on the SF 424 RR Face Page.	For new applications and resubmissions, the start date for the first budget period on the PHS398 Training Budget page must be the same as the proposed project start date listed on the SF 424 RR Cover page.		
398 Training Budget, Year *x*	Start Date	20.5.2		N	N	E	For budget years after budget year 1, must be greater than or equal to the Proposed Project Start Date listed on the SF 424 RR Face Page.	The start date for budget year <budget year> must be equal to or later than the proposed project start date listed on the SF 424 RR Cover page.		
398 Training Budget, Year *x*	End Date	20.6.1		N	N	E	Must be greater than the budget start date and less than or equal to the Project Period End Date listed on the SF 424 RR Face Page.	The end date for budget year <budget year> must be later than the budget start date and less than or equal to the proposed project end date listed on the SF 424 RR Cover page.		
398 Training Budget, Year *x*	Number of full-time undergrad	20.7.1		N	N	E	Full time and/or Short term undergrad required for T34	The Number of Full Time and/or Short Term Undergraduate on the PHS398 Training Budget must be provided for this application.		
398 Training Budget, Year *x*	Number of full-time undergrad	20.7.2		N	N	E	Provide Error if Number of undergrad full-time or undergrad short term, or undergrad stipends requested is provided for T15, T32 or T35.	Undergraduate information can not be included on the PHS 398 Training Budget form for this application.		
398 Training Budget, Year *x*	Number of short-term undergrad	20.8								
398	Undergrad,	20.9.		N	N	E	Required for T34	The Undergraduate Stipends		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Training Budget, Year *x*	stipends requested	1						Requested on the PHS398 Training Budget must be provided for this application.		
398 Training Budget, Year *x*	Undergrad, tuition/fees requested	20.10								
398 Training Budget, Year *x*	Number per stipend level, first year/sophomore	20.11								
398 Training Budget, Year *x*	Number per stipend level, junior/senior	20.12								
398 Training Budget, Year *x*	Number of full-time pre-doctoral, single degree	20.13.1		N	N	E	Provide Error If total pre-doctoral full-time, or total pre-doctoral short term, or total pre-doctoral stipends requested, or total post-doctoral full-time, or total post-doctoral short term, or total post-doctoral stipends requested, or number of other full-time, or other short term, or other stipends requested, is provided for T34	Predoctoral, Postdoctoral and Other Trainee information can not be included on the PHS 398 Training Budget form for this application.		
398 Training Budget, Year *x*	Number of short-term pre-doctoral, single degree	20.14								
398 Training	Stipend requested,	20.15								

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Budget, Year *x*	pre-doctoral, single degree									
398 Training Budget, Year *x*	Tuition/fees requested, pre-doctoral, single degree	20.16								
398 Training Budget, Year *x*	Number of full-time pre-doctoral, dual degree	20.17								
398 Training Budget, Year *x*	Number of short-term pre-doctoral, dual degree	20.18								
398 Training Budget, Year *x*	Stipend requested, pre-doctoral, dual degree	20.19								
398 Training Budget, Year *x*	Tuition/fees requested, pre-doctoral, dual degree	20.20								
398 Training Budget, Year *x*	Number of full-time pre-doctoral, total pre-doctoral	20.21								
398 Training Budget, Year *x*	Number of short-term pre-doctoral, total pre-doctoral	20.22								
398 Training Budget, Year *x*	Stipend requested, pre-doctoral, total pre-doctoral	20.23								
398 Training Budget,	Tuition/fees requested, pre-doctoral,	20.24								

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Year *x*	total pre-doctoral									
398 Training Budget, Year *x*	Number of full-time post-doctoral, Non-degree Seeking	20.25								
398 Training Budget, Year *x*	Number of short-term post-doctoral, Non-degree Seeking	20.26								
398 Training Budget, Year *x*	Number of post-doctoral, Non-degree Seeking per stipend level (0-7)	20.27								
398 Training Budget, Year *x*	Stipend requested, post-doctoral, Non-degree Seeking	20.28								
398 Training Budget, Year *x*	Tuition/fees requested, post-doctoral, Non-degree Seeking	20.29								
398 Training Budget, Year *x*	Number of full-time post-doctoral, Degree Seeking	20.30								
398 Training Budget, Year *x*	Number of short-term post-doctoral, Degree Seeking	20.31								
398	Number of	20.32								

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Training Budget, Year *x*	post-doctoral, Degree Seeking per stipend level (0-7)									
398 Training Budget, Year *x*	Stipend requested, post-doctoral, Degree Seeking	20.59								
398 Training Budget, Year *x*	Tuition/fees requested, post-doctoral, Degree Seeking	20.33								
398 Training Budget, Year *x*	Number of full-time Total post-doctoral	20.34								
398 Training Budget, Year *x*	Number of short-term Total post-doctoral	20.35								
398 Training Budget, Year *x*	Number of Total post-doctoral per stipend level (0-7)	20.36								
398 Training Budget, Year *x*	Stipend requested, Total post-doctoral	20.37								
398 Training Budget, Year *x*	Tuition/fees requested, Total post-doctoral	20.38								
398 Training Budget,	Number of full-time other	20.39								

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Year *x*										
398 Training Budget, Year *x*	Number of short-term other	20.40								
398 Training Budget, Year *x*	Stipend requested, other	20.41								
398 Training Budget, Year *x*	Tuition/fees requested, other	20.42								
398 Training Budget, Year *x*	Stipends requested, total	20.43 .1		N	N	E	Provide error (exclude T02 and T03) If number of undergrad full-time, or number undergrad short term, or total pre-doctoral full-time, or total pre-doctoral short term, or total post-doctoral full-time, or total post-doctoral short term, or number of other full-time, or number of other short term, is greater than 0 and total stipends requested total is not greater than 0 OR If total stipends requested is greater than 0 and number of undergrad full-time, or number undergrad short term, or total pre-doctoral full-	If Number of Trainees information is provided on the PHS 398 Training Budget form then corresponding Stipends Requested information must also be included.		

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
							time, or total pre-doctoral short term, or total post-doctoral full-time, or total post-doctoral short term, or number of other full-time, or number of other short term, is not greater than 0.			
398 Training Budget, Year *x*	Tuition/fees requested, total	20.44								
398 Training Budget, Year *x*	Total stipends and tuition/fees requested	20.45								
398 Training Budget, Year *x*	Funds requested, trainee travel	20.46								
398 Training Budget, Year *x*	Funds requested, training related expenses	20.47 .1		N	N	W	Warning if Funds requested, training related expenses is not provided	The Funds Requested for Training Related Expenses should be provided with this application on the PHS398 Training Budget.		
398 Training Budget, Year *x*	Total direct costs from R&R budget form	20.48 .1		N	N	E	Provide error if RR budget is part of application and Total direct costs from R&R budget form is NOT provided	If an R&R Budget is part of the application, the Total Direct Costs from R&R Budget Form should be provided here on the PHS398 Training Budget.		
398 Training Budget, Year *x*	Consortium training costs	20.49								
398 Training	Total other direct costs	20.50								

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Budget, Year *x*	requested									
398 Training Budget, Year *x*	Total direct costs requested	20.51 .1		N	N	W	Provide Warning if subtotal direct cost is more than or equal to 500K for T mechanisms (RFA are exempt) Calculate subtotal direct costs as follows: Total Direct Costs minus the sum of Total Indirect Costs for all budgets for the corresponding year with budget type 'subaward/consortium' to include both Training Budget and RR budget	If you are requesting a budget of $500,000 direct costs or more for any project period on the PHS 398 Training Budget form, check the announcement or contact the awarding component to determine if prior approval is required.		
398 Training Budget, Year *x*	Indirect cost *x*, indirect cost type	20.52								
398 Training Budget, Year *x*	Indirect cost *x*, indirect cost rate	20.53 .1		N	N	W	Provide warning if not 8 for all Ts	The indirect Cost Rate (%) should be 8 for this application on the PHS398 Training Budget.		
398 Training Budget, Year *x*	Indirect cost *x*, indirect cost base	20.54								
398 Training Budget, Year *x*	Indirect cost *x*, funds requested	20.55								
398 Training Budget, Year *x*	Total indirect costs requested	20.56								
398	Total direct	20.57								

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
Training Budget, Year *x*	and indirect costs requested									
398 Training Budget, Year *x*	Budget justification attachment	20.58								

PHS 398 Training Budget Cumulative (NIH)

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
398 Training Budget, Cumulative	Undergraduate stipends requested									
398 Training Budget, Cumulative	Undergraduate tuition/fees requested									
398 Training Budget, Cumulative	Pre-doctoral single degree stipends requested									
398 Training Budget, Cumulative	Pre-doctoral single degree tuition/fees requested									
398 Training Budget, Cumulative	Pre-doctoral dual degree stipends requested									
398 Training Budget, Cumulative	Pre-doctoral dual degree tuition/fees requested									
398 Training Budget, Cumulative	Total pre-doctoral stipends requested									
398 Training Budget, Cumulative	Total pre-doctoral tuition/fees requested									
398 Training Budget, Cumulative	Post-doctoral, Non-degree seeking stipends requested									

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
398 Training Budget, Cumulative	Post-doctoral, Non-degree seeking tuition/fees requested									
398 Training Budget, Cumulative	Post-doctoral, Degree seeking tuition/fees requested									
398 Training Budget Cumulative	Post-doctoral, Degree seeking tuition/fees requested									
398 Training Budget Cumulative	Total Post-doctoral tuition/fees requested									
398 Training Budget Cumulative	Total Post-doctoral tuition/fees requested									
398 Training Budget Cumulative	Other, stipends requested									
398 Training Budget, Cumulative	Other, tuition/fees requested									
398 Training Budget, Cumulative	Total stipends requested									
398 Training Budget, Cumulative	Total tuition/fees requested									
398 Training Budget, Cumulative	Total stipends and tuition/fees requested									

Form	Field	Rule	Form Version/ Package	Minimum Validation (Y/N)	Limited Validation (Y/N)	Error/ Warning (E/W)	Validation	Error Message	Comments	Current Release CQ
398 Training Budget, Cumulative	Funds requested, trainee travel									
398 Training Budget, Cumulative	Funds requested, training related expenses									
398 Training Budget, Cumulative	Total direct costs from R&R budget form									
398 Training Budget, Cumulative	Total other direct costs requested									
398 Training Budget, Cumulative	Total direct costs requested									
398 Training Budget, Cumulative	Total indirect costs requested									
398 Training Budget, Cumulative	Total direct and indirect costs requested									