



National Science Foundation

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Research Performance Progress Report (RPPR) Screenshots and Instructions

October 2020



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1. Wireframes and Copy Deck

1.1. A.1 - PI User - Home Concept



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! Please Note: The final project report is a vital, and required, part of the award closeout process. By submitting the report, you are indicating that the scope of work for the project has been completed and you do not anticipate any further action on the award, including a no cost extension, supplemental funding, nor transfer (PI Transfer). If you have questions regarding your award, please contact your cognizant Program Officer, or the Division of Grants and Agreements official listed on your award notice.

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Project Reports

[What is the difference between an Annual, Final, Interim and Project Outcomes Report?](#)

[Download a project report template](#)
[Example Project Reports \(Demo site\)](#)

CW A.1-2

Reports Due

Reports Due < 12 Months

Report Search

All Awards

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PAGE: 1 of 1

Organization Name	Award Number	Award Title	Award Date	Expiration Date	Managing Program Officer	PI Name
National Science Foundation	0707531	PRS 11/18/06 Release Functional Verification 2	12/31/2005	04/29/2007	heather ireland	Eric Dohr
National Science Foundation	0707533	PRS 11/18/06 Release Functional Verification 3	10/31/2005	10/30/2008	heather ireland	Eric Dohr
National Science Foundation	0707534	PRS 11/18/06 Release Functional Verification 4	10/31/2005	10/30/2007	heather ireland	Eric Dohr
National Science Foundation	0707535	PRS 11/18/06 Release Functional Verification 5	10/31/2005	10/30/2007	heather ireland	Eric Dohr
National Science Foundation	0707536	PRS 11/18/06 Release Functional Verification 6	06/30/2005	06/29/2006	heather ireland	Eric Dohr
National Science Foundation	0707537	PRS 11/18/06 Release Functional Verification 7	07/31/2005	07/30/2007	heather ireland	Eric Dohr
National Science Foundation	0707539	PRS 11/18/06 Release Functional Verification 9	12/31/2005	04/29/2007	heather ireland	Eric Dohr
National Science Foundation	0707540	PRS 11/18/06 Release Functional Verification 10	10/31/2005	10/30/2008	heather ireland	Eric Dohr
National Science Foundation	0707541	PRS 11/18/06 Release Functional Verification 11	10/31/2005	10/30/2007	heather ireland	Eric Dohr
National Science Foundation	0707542	PRS 11/18/06 Release Functional Verification 12	10/31/2005	10/30/2007	heather ireland	Eric Dohr
National Science Foundation	0707543	PRS 11/18/06 Release Functional Verification 13	06/30/2005	06/29/2007	heather ireland	Eric Dohr
National Science Foundation	0707545	PRS 11/18/06 Release Functional Verification 14	07/31/2005	07/30/2006	heather ireland	Eric Dohr
National Science Foundation	0707551	PRS 11/18/06 Release Functional Verification 15	01/14/2007	12/30/2007	Peggy Duong	Alan Alphaman

Export options: [CSV](#) | [Excel](#) | [XML](#)



Copy ID	CMS?	Copy
CW A.1-2	N	<p>What is the difference between an Annual, Final, Interim and Project Outcomes Report?</p> <p>Annual Project Reports Annual Project Reports (APRs) are required for all multi-year grants including Standard and Continuing Grants and Cooperative Agreements. Unless otherwise specified in the grant award, annual project reports should be submitted electronically no later than 90 day prior to the end of the current reporting budget period. In the case of continuing grants, failure to submit timely reports may delay processing of funding increments. Failure to submit timely reports will delay processing of additional funding and administrative actions, including, but not limited to, no cost extensions. All Annual Project Reports for each reporting period must be completed prior to submission of a Final Project Report.</p> <p>Final Project Report Final Project Reports (FPRs) are required for all Standard Grant, Continuing Grant, Cooperative Agreement and Individual Fellowship (Individual Institutions only and when applicable or cited in solicitations) award types. NSF awards require that the PI submit a Final Project Report to the cognizant NSF Program Officer within no later than 120 days following the end date of the grant.</p> <p>The final project report is a vital, and required, part of the award closeout process. By submitting the report, you are indicating that the scope of work for the project has been completed and you do not anticipate any further actions on the award, including a no-cost extension, supplemental funding, nor transfer (PI Transfer). No actions are permitted on a project once the final project report has been approved. If you have questions regarding your award, contact your cognizant Program Officer or the Division of Grants and Agreements official listed on your award notice.</p> <p>Project Outcomes Report Project Outcomes Reports (PORs) are applicable to all Standard, Continuing Grant and Cooperative Agreements. This report serves as a brief summary, prepared specifically for the public, of the nature and outcomes of the project. Unless otherwise specified in the grant, project outcomes reports must be submitted electronically via Research.gov no later than 120 days following the end date of the grant.</p> <p>Interim Project Report Interim Project Reports (IPRs) are not required and are used to update the progress of a project any time during or before the award period ends. An Interim Report can be submitted at anytime and does not count as an Annual or Final Project Report.</p> <p>Interim project reports are rarely required, but they are an optional mechanism to provide additional information to the program officer. If required, these reports will be specified in the cooperative agreement or solicitation.</p> <p>For more information on the Project Reports System requirements, please refer to Chapter VII.D of the PAPPG.</p>



1.2. B.2 - PI - Report Entry : Cover



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1 Please Note: The final project report is a vital, and required, part of the award closeout process. By submitting the report, you are indicating that the scope of work for the project has been completed and you do not anticipate any further action on the award, including a no cost extension, supplemental funding, nor transfer (PI Transfer). If you have questions regarding your award, please contact your cognizant Program Officer, or the Division of Grants and Agreements official listed on your award notice.

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Award 1000001 - Annual Project Report

[< All Reports for this Award](#)

Available Actions:
[Submit Report](#) [Check Report Completeness](#) [Preview Report](#) [View Previous Annual Report](#) [View Help](#)

[Show Report & Progress Summary](#)

Report Content

Cover
Accomplishments
Products
Participants/Organizations
Impact
Changes/Problems
Special Requirements

[Next Section >](#)

Cover	1001
Federal Agency and Organization Element to Which Report is Submitted:	1001
Federal Grant or Other Identifying Number Assigned by Agency:	1000001
Project Title:	Analysis of Research Data
PD/PI Name:	Michael Donner, Principal Investigator Janet Price, Co-Principal Investigator
Recipient Organization:	University of State
Project/Grant Period:	12/29/2013 - 12/28/2017
Reporting Period:	12/30/2015 - 12/28/2016
Submitting Official (if other than PD/PI):	N/A
Submission Date:	N/A
Signature of Submitting Official (signature shall be submitted in accordance with agency specific instructions):	N/A

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1.3. B.3 - PI - Report Entry : Accomplishments

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Award 2035690 - Annual Project Report

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Show Report & Progress Summary

Report Content

Cover | **Accomplishments** | Products | Participants/Organizations | Impact | Changes/Problems

< Save / Previous Section | **CW B.3-1** | Save | **CW B.3-1a** | Save / Next Section >

Accomplishments - What was done? What was learned? **CW B.3-1** **CW B.3-1a**

If there is nothing significant to report during this reporting period, please check "Nothing to Report" if applicable.

* Required fields

* What are the major goals of the project? **CW B.3-3** **CW B.3-3a**

CW B.3-3

Characters Remaining: 8000

* What was accomplished under these goals and objectives (you must provide information for at least one of the 4 categories below)? **CW B.3-4**

Major Activities: **CW B.3-4**

Characters Remaining: 8000

Specific Objectives:

Characters Remaining: 8000



Copy ID	CMS?	Copy
CW B.3-1	N	The information provided in this section allows the agency to assess whether satisfactory progress has been made during the reporting period
CW B.3-1a		<p>For NSF purposes, the PI should provide accomplishments in the context of the NSF merit review criteria of intellectual merit and broader impacts, and program specific review criteria specified in the solicitation. Please include any transformative outcomes or unanticipated discoveries as part of the Accomplishment section.</p> <p>The PI is reminded that the grantee is required to obtain prior written approval from the awarding agency grants official whenever there are significant changes in the project or its direction. See agency specific instructions for submission of these requests.</p> <p>For purposes of NSF, please see the About Notifications and Requests page in Research.gov for a complete listing of Grantee Notifications To and Requests For Approval From the National Science Foundation.</p>
CW B.3-3	N	Generally, the goals will not change from one reporting period to the next. However, if the awarding agency approved changes to the goals during the reporting period, list the revised goals and objectives. Also explain any significant changes in approach or methods from the agency approved application or plan.
CW B.3-3a		For purposes of NSF, what are the major research goals and objectives of the project?
CW B.3-4	N	As the project progresses, the emphasis in reporting in this section should shift from reporting activities to reporting accomplishments.
CW B.3-5	N	Training activities may include, for example, courses or one-on-one work with a mentor. "Professional development" activities result in increased knowledge or skill in one's area of expertise and may include workshops, conferences, seminars, study groups, and individual study. Include participation in conferences, workshops, and seminars not listed under major activities.
CW B.3-5a		For NSF purposes, please summarize the contributions to the research and teaching skills and experience of those who have worked on the project, including undergraduate students, graduate students, post-docs, college faculty, and K-12 teachers. If your project supported postdoctoral researchers, then you must include a summary of the mentoring activities conducted.
CW B.3-6	N	Describe how the results have been disseminated to communities of interest. Include any outreach activities that have been undertaken to reach members of communities who are not usually aware of these research activities, for the purpose of enhancing public understanding and increasing interest in learning and careers in science, technology, and the humanities.



1.4. B.4 - PI - Report Entry : Products

Report Content

[Cover](#)
[Accomplishments](#)
[Products](#)
[Participants/Organizations](#)
[Impact](#)
[Changes/Problems](#)

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CW B.4-1
[Save](#)
[Save / Next Section >](#)

[Products](#)
CW B.4-1a

Submit New Product(s)

Select the type of product you want to add to your report or upload multiple products using BibTex file.

Select Product: [Go](#)

Product Summary

1 Product total in current report (09/01/2017-08/31/2018)

1 Publications from the NSF Public Access Repository as of 07/09/2018 01:00 PM

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PAGE: 1 of 1

Use the filter below to view products you have entered for the current report.

View Products by: 1

Product Type: [Filter](#) CW B.4-3

Product Type	Citation / Description	Product Status	Year	Status	Actions
Journal or Juried Conference Paper	Shimizu, Renee E. and Wu, Allan D. and Knowlton, Barbara J. (2016). Cerebellar activation during motor sequence learning is associated with subsequent... doi:10.1037/bne0000164 Full text Citation details	Deposited in NSF-PAR	2016	Complete	Edit in NSF-PAR

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Supporting Files

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Copy ID	CMS?	Copy
CW B.4-1		<p>Publications are the characteristic product of research. Agencies evaluate what the publications demonstrate about the excellence and significance of the research and the efficacy with which the results are being communicated to colleagues, potential users, and the public, not the number of publications.</p> <p>Many projects (though not all) develop significant products other than publications. Agencies assess and report both publications and other products to Congress, communities of interest, and the public.</p>
CW B.4-1a		<p>For NSF purposes, each category of publication should identify any associated data, software, other supplementary materials and their appropriate identifiers. When the PI reports any of these items, please include any available identifiers and whether and how these products can be accessed or shared.</p>
CW B.4-3		<p>Identify any other significant products that were developed under this project. Describe the product and how it is being shared.</p> <p>Examples of other products are:</p> <ul style="list-style-type: none">• Databases;• Physical collections;• Audio or video products;• Software or NetWare;• Models;• Educational aids or curricula;• Instruments or equipment;• Data & Research Material (e.g., cell lines, DNA probes, animal models);• Evaluation Instruments;• Survey Instruments; and• Other



1.5. B.4.3 - PI - Report Entry : Products – Publications - Journal

Report Content

Cover | **Accomplishments** | **Products** | Participants/Organizations | Impact | Changes/Problems

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Products ⓘ NSF Specific

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--OR--

Nothing to report

Supporting Files

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1.6. B.4.3.2 - PI - Report Entry : Products - Publications - Search Publications

Report Content

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Products 1 NSF Specific

Submit New Product(s)

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Product Summary

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1 Publications from the NSF Public Access Repository as of 07/09/2018 01:00 PM

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Product Type

Product Type	Citation / Description	Product Status	Year	Status	Actions
Journal or Juried Conference Paper	Shimizu, Renee E. and Wu, Allan D. and Knowlton, Barbara J. (2016). Cerebellar activation during motor sequence learning is associated with subsequent...(+). doi:10.1037/bne0000164 Full text Citation details	Deposited in NSF-PAR	2016	Complete	Edit in NSF-PAR

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1.7. B.4.5 - PI - Report Entry : Products - Technologies or Techniques



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Submit New Technology

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* Required fields

* Description

B *I* U | | | | | | | | | | | | | | |

Characters Remaining: **8000**



1.8. B.4.6 - PI - Report Entry : Products – Patent Applications

The screenshot shows the 'Submit New Patent Applications' page on Research.gov. The page header includes the NSF logo and 'Research.gov ONLINE GRANTS MANAGEMENT FOR THE NSF COMMUNITY'. A navigation bar contains 'My Desktop', 'Prepare & Submit Proposals', 'Awards & Reports', 'Manage Financials', and 'Administration'. A yellow callout box labeled 'CW B.4-6' points to the 'Submit New Patent Applications' title. The form includes the following fields:

- Required fields
- Patent Status: Select One
- Patent Abstract: Text area
- Patent Title: Text area
- Patent Number: Text area
- Country: Select One
- Application Date: Date picker
- Date Issued: Date picker
- Save and Cancel buttons

Copy ID	CMS?	Copy
CW B.4-6		Identify patent applications with date that have resulted from this research. Submission of this information as part of the interim or final research performance progress report is not a substitute for any other patent reporting required under the terms and conditions of an award.



1.9. B.4.6.1 - PI - Report Entry : Products – Inventions

The screenshot shows the 'Submit New Invention' page on Research.gov. At the top, there is a navigation bar with links for 'My Desktop', 'Prepare & Submit Proposals', 'Reporting', 'Manage Financials', and 'Administration'. A yellow callout box labeled 'CW B.4-6.1' points to the 'Submit New Invention' header. Below the header, there is a '< Back to Products' link and a list of 'Required fields': 'Invention Title', 'Invention Description', and 'Inventor(s)'. Each field has a corresponding text input area. At the bottom of the form, there are 'Save' and 'Cancel' buttons.

Copy ID	CMS?	Copy
CW B.4-6.1		Identify inventions that have resulted from this research. Submission of this information as part of the interim or final research performance progress report is not a substitute for any other invention reporting required under the terms and conditions of an award.



1.10. B.4.6.2 - PI - Report Entry : Products – Licenses

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Submit New License ⓘ CW B.4-6.2

[< Back to Products](#)

* Required fields

* License Status
Select One ▾

* License Title

* Application Date

Date Issued

* License Assignees

Save Cancel

Copy ID	CMS?	Copy
CW B.4-6.2		Identify licenses that have resulted from this research. Submission of this information as part of the interim or final research performance progress report is not a substitute for any other license reporting required under the terms and conditions of an award.



1.11. B.4.7 - PI - Report Entry : Products - Websites or Other Internet Sites

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Submit New Websites or Other Internet Sites ⓘ

< Back to Products

* Required fields

Title

* URL

Short Description of the Website

B *I* U | | | | | | | | | | | | | | | | | | | | | | |

Characters Remaining: 8000

Save Cancel

Copy ID	CMS?	Copy
CW B.4-7		<p>List the URL for any website(s) that disseminates the results of the research activities. A short description of each site should be provided. It is not necessary to include the publications already specified in this section.</p> <p>You and your organization are reminded of your responsibility to assure that any websites developed under or based on NSF support of your project includes an acknowledgment of that support in the following terms:</p> <p>"This material is based upon work supported by the National Science Foundation under Grant Number (NSF Grant Number)"</p> <p>You and your organization are also responsible for assuring that every website based on or developed under an NSF award contains the following disclaimer:</p> <p>"Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation."</p>



1.12. B.4.8 - PI - Report Entry : Products - Other Products

Report Content

Cover | Accomplishments | **Products** | Participants/Organizations | Impact | Changes/Problems

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Products ⓘ NSF-Specific

Submit New Product(s)

Select the type of product you want to add to your report or upload multiple products using BibTex file. ⓘ

Select Product:

Product Summary

1 Product total in current report (09/01/2017-08/31/2018)

1 Publications from the NSF Public Access Repository as of 07/09/2018 01:00 PM ⓘ

ⓘ Why are my products not listed?

Show per page

There are no items available.

Use the filter below to view products you have entered for the current report. ⓘ Required
** Required if Product Status is Published

View Products by: ⓘ

Product Type

CW B.4.8-2

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Please select a file.

Description (required if uploading a file). Please provide a description of the content contained in the attached file:

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Copy ID	CMS?	Copy
CW B.4.8 - 2	N	<p>Examples of other products are:</p> <ul style="list-style-type: none">* Data or Databases;* Physical collections;* Audio or video products;* Software;* Models;* Educational aids or curricula;* Instruments or equipment;* Research Material (e.g., Germplasm, cell lines, DNA probes, animal models);* Interventions (e.g., clinical, educational)* New business creation; and* Other.



1.13. B.5 - PI - Report Entry : Participants

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Award 2035690 - Annual Project Report

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Show Report & Progress Summary

Report Content

Cover | Accomplishments | Products | **Participants/Organizations** | Impact | Changes/Problems

< Save / Previous Section | Save | Save / Next Section >

CW B.5-1

Participants & Other Collaborating Organizations - Who has been involved? **CW B.5-1a**

For NSF purposes, for separately submitted and awarded collaborative proposals, the PI should report progress on his/her institution's portion of the collaborative effort only. In each of the subsections below, note which collaborators or contacts are involved in data contribution and/or management.

* Required fields

* What individuals have worked on the project?

Show 10 per page

PAGE: 1 of 1

Add/Edit multiple participants | Add new participant

Name	Most Senior Project Role	Nearest Person Month Worked	Status	Previous Participant	Actions
Burgueno, Rigoberto	PD/PI	12	Complete	--	Edit details

PAGE: 1 of 1

Show 10 per page

* What other organizations have been involved as partners? **CW B.5-2**

No organizations entered.

Nothing to report | Add new organization

* Were other collaborators or contacts involved? If so, please provide details. **CW B.5-2**

List any other people or organizations involved in the project that were not separately reported as participants or partner organizations.

Nothing to report

Rich text editor with toolbar (Bold, Italic, Underline, Bulleted List, Numbered List, Link, Unlink, Undo, Redo, etc.)

Characters Remaining: 2000

Back to the top

< Save / Previous Section | Save | Save / Next Section >



Copy ID	CMS?	Copy
CW B.5 – 1	N	<p>Partner organizations may provide financial or in-kind support, supply facilities or equipment, collaborate in the research, exchange personnel, or otherwise contribute.</p> <p>Provide the following information for each partnership: Organization Name: Location of Organization: (if foreign location list country) Partner's contribution to the project (identify one or more)</p> <ul style="list-style-type: none"> * Financial support; * In-kind support (e.g., partner makes software, computers, equipment, etc., available to project staff); * Facilities (e.g., project staff use the partner's facilities for project activities); * Collaborative research (e.g., partner's staff work with project staff on the project); and * Personnel exchanges (e.g., project staff and/or partner's staff use each other's facilities, work at each other's site). * Other. <p>More detail on partner and contribution (foreign or domestic)</p>
CW B.5 – 1a		<p>For purposes of NSF, this is an updated listing of the information provided in the originally submitted proposal.</p> <p>PI, co-PI and Participant information has been pre-populated from proposal information or previously approved (in Research.gov) Annual project reports. However, additional information that could not be pre-populated must be filled out for PI(s), co-PI(s) and Participants in order to successfully complete and submit the report.</p>
CW B.5 – 2		<p>Some significant collaborators or contacts within the recipient's organization may not be covered by "What people have worked on the project?" Likewise, some significant collaborators or contacts outside the recipient's organization may not be covered under "What other organizations have been involved as partners?"</p> <p>For example, has there been any:</p> <ul style="list-style-type: none"> • collaborations with others within the recipient's organization; especially <ul style="list-style-type: none"> ○ interdepartmental or interdisciplinary collaborations; ○ collaborations or contact with others outside the organization; and ○ collaborations or contacts with others outside the United States or with an international organization. <p>It is likely that many recipients will have no other collaborators or contacts to report.</p>



1.14. B.5.1 - PI - Report Entry : Participants > Name

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Add New Participant

[< Back to Participants](#)

*** Required fields**

* First Name:

Middle Name:

* Last Name:

* E-mail Address:

* Most Senior Project Role:

* Nearest Person Month Worked: A person month equals approximately 160 hours of effort, regardless of funding source.

* Contribution to the Project:

* Funding Support:

* Identify whether this person is collaborating internationally on this project: Yes No

Country(ies) of foreign collaborator: Required if yes

- AFGHANISTAN
- ALAND ISLANDS
- ALBANIA
- ALGERIA

* Traveled internationally for this award: Yes No

Traveled internationally for this award



Copy ID	CMS?	Copy
CW B.5.1-1		<p>Provide the name and identify the role the person played in the project. Indicate the nearest whole person month (Calendar, Academic, Summer) that the individual worked on the project. Show the most senior role in which the person has worked on the project for any significant length of time. For example, if an undergraduate student graduates, enters graduate school, and continues to work on the project, show that person as a graduate student, preferably explaining the change in involvement.</p> <p>Describe how this person contributed to the project and with what funding support. If information is unchanged from a previous submission, provide the name only and indicate "no change".</p> <p>Identify whether this person is collaborating internationally. Specifically is the person collaborating with an individual located in a foreign country and whether the person had traveled internationally as part of that collaboration and duration of stay. The international country(ies) should be identified.</p>
CW B.5.1-1a		<p>Deletion or Addition of the PI or co-PI(s) associated with this award must be requested through the Notifications and Requests module located in Research.gov. For purposes of NSF, identify whether this person is collaborating internationally on this project.</p> <p>Example:</p> <p>Name: Mary Smith</p> <p>Project Role: Graduate Student</p> <p>Nearest person month worked: 5</p> <p>Contribution to Project: Ms. Smith has performed work in the area of combined error-control and constrained coding.</p> <p>Funding Support: The Ford Foundation (Complete only if the funding support is provided from other than this award.)</p> <p>Collaborated with individual in foreign country: Yes</p> <p>Country(ies) of foreign collaborator: China</p> <p>Traveled internationally for this award: Yes</p> <p>If traveled internationally, duration: 5 months of stay</p> <p>Note: All participants will receive a notification via email to provide demographic information.</p>
CW B.5.1-2		<p>A list of any other funding support, other than this award, that supported the participant's participation in the project.</p>



1.1. B.5.2 - PI - Report Entry : Participants > Organization



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CW B.5.2-1

*** Required fields**

* Type of Partner Organization:

* Name:

* Location: (if international location list country)

* Partner's contribution to the project (identify one or more)

<input type="checkbox"/> Financial support	<input type="checkbox"/> In-kind support (e.g., partner makes software, computers, equipment, etc., available to project staff)
<input type="checkbox"/> Facilities (e.g., project staff use the partner's facilities for project activities)	<input type="checkbox"/> Collaborative research (e.g., partner's staff work with project staff on the project)
<input type="checkbox"/> Personnel exchanges (e.g., project staff and/or partner's staff use each other's facilities, work at each other's site)	<input type="checkbox"/> Other

More detail on partner and contribution (foreign or domestic):



Copy ID	CMS?	Copy
CW B.5.2-1		<p>Describe partner organizations - academic institutions, other nonprofits, industrial or commercial firms, state or local governments, schools or school systems, or other organizations (foreign or domestic) - that have been involved with the project.</p> <p>Partner organizations may provide financial or in-kind support, supply facilities or equipment, collaborate in the research, exchange personnel, or otherwise contribute.</p>



1.15. B.6 - PI - Report Entry – Impact

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Award [redacted] Annual Project Report

< All Reports for this Award

Available Actions: Submit Report, Check Report Completeness, Preview Report, View Help

Show Report & Progress Summary

Report Content: Cover, Accomplishments, Products, Participants/Organizations, **Impact**, Changes/Problems

< Save / Previous Section | Save | Save / Next Section >

Impact - What is the impact of the project? How has it contributed? CW B.6-1

INSTRUCTIONS - This component will be used to describe ways in which the work, findings, and specific products of the project have had an impact during this reporting period. CW B.6-2

For NSF purposes, include, where appropriate, discussion of data resources and the acquisition of data skills. Include the emergence of new career paths, such as data scientists, or new disciplines.

If there is nothing significant to report during this reporting period, please check "Nothing to Report" if applicable.

* Required fields

* What is the impact on the development of the principal discipline(s) of the project? CW B.6-3 CW B.6-3a

Describe how findings, results, techniques that were developed or extended, or other products from the project made an impact or are likely to make an impact on the base of knowledge, theory, and research and/or pedagogical methods in the principal disciplinary field(s) of the project.

Nothing to report

Rich text editor with toolbar (Bold, Italic, Underline, Bulleted List, Numbered List, Link, Unlink, Undo, Redo, Help).

Characters Remaining: 8000

* What is the impact on other disciplines? CW B.6-4

Describe how the findings, results, or techniques that were developed or improved, or other products from the project made an impact or are likely to make an impact on other disciplines.

Nothing to report

Rich text editor with toolbar.

Characters Remaining: 8000

* What is the impact on the development of human resources? CW B.6-4a

Describe how the project made an impact or is likely to make an impact on human resource development in science, engineering, and technology.

Nothing to report

Text input field.

Characters Remaining: 8000



***What was the impact on teaching and educational experiences?**



CW B.6-5

Describe how the project made an impact or is likely to make an impact on teaching and educational experiences.

Nothing to report

Characters Remaining: 8000

*** What is the impact on physical resources that form infrastructure?**

Describe ways, if any, in which the project made an impact, or is likely to make an impact, on physical resources that form infrastructure, including physical resources such as facilities, laboratories, or instruments.

Nothing to report

B *I* U | | | | |

Characters Remaining: 8000

CW B.6-6

*** What is the impact on institutional resources that form infrastructure?**

NSF Specific

Describe ways, if any, in which the project made an impact, or is likely to make an impact, on institutional resources that form infrastructure.

Nothing to report

B *I* U | | | | |

Characters Remaining: 8000

CW B.6-7

*** What is the impact on information resources that form infrastructure?**

NSF Specific

Describe ways, if any, in which the project made an impact, or is likely to make an impact, on information resources that form infrastructure.

Nothing to report

B *I* U | | | | |

Characters Remaining: 8000

CW B.6-8

*** What is the impact on technology transfer?**



Describe ways in which the project made an impact, or is likely to make an impact, on commercial technology or public use.

Nothing to report

B *I* U | | | | |

Characters Remaining: 8000



*** What is the impact on society beyond science and technology?**



CW B.6-9

Describe how results from the project made an impact, or are likely to make an impact, beyond the bounds of science, engineering, and the academic world.

Nothing to report

Rich text editor toolbar with options for bold, italic, underline, list, link, unlink, undo, redo, and help.

Characters Remaining: 8000

*** What percentage of the award's budget was spent in a foreign country?**



CW B.6-10

Describe what percentage of the award's budget was spent in foreign country(ies) for this reporting period. If more than one foreign country was involved, identify the distribution of funding between the foreign countries.

Nothing to report

Rich text editor toolbar with options for bold, italic, underline, list, link, unlink, undo, redo, and help.

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Copy ID	CMS?	Copy
CW B.6-1		<p>Over the years, this base of knowledge, techniques, people, and infrastructure is drawn upon again and again for application to commercial technology and the economy, to health and safety, to cost-efficient environmental protection, to the solution of social problems, to numerous other aspects of the public welfare, and to other fields of endeavor.</p> <p>The taxpaying public and its representatives deserve a periodic assessment to show them how the investments they make benefit the nation. Through this reporting format, and especially this section, recipients provide that assessment and make the case for Federal funding of research and education.</p> <p>Agencies use this information to assess how their research programs:</p> <ul style="list-style-type: none"> • increase the body of knowledge and techniques; • enlarge the pool of people trained to develop that knowledge and techniques or put it to use; and • improve the physical, institutional, and information resources that enable those people to get their training and perform their functions.



CW B.6-2		<p>Describe distinctive contributions, major accomplishments, innovations, successes, or any change in practice or behavior that has come about as a result of the project relative to:</p> <ul style="list-style-type: none">• the development of the principal discipline(s) of the project;• other disciplines;• the development of human resources;• physical, institutional, and information resources that form infrastructure;• technology transfer (include transfer of results to entities in government or industry, adoption of new practices, or instances where research has led to the initiation of a start-up company); or• society beyond science and technology.
CW B.6-3	N	<p>Summarize using language that an intelligent lay audience can understand (Scientific American style).</p> <p>How the field or discipline is defined is not as important as covering the impact the work has had on knowledge and technique. Make the best distinction possible, for example, by using a "field" or "discipline", if appropriate, that corresponds with a single academic department (i.e., physics rather than nuclear physics).</p>
CW B.6-3a		<p>For NSF purposes, the paragraph should read, How the fields or disciplines are defined is not as important as covering the impact the work has had on knowledge and technique.</p> <p>For purposes of NSF, provide postdoctoral mentoring or other mentoring.</p>
CW B.6-4		<p>For example, how has the project:</p> <ul style="list-style-type: none">• provided opportunities for research and teaching in the relevant fields;• improved the performance, skills, or attitudes of members of underrepresented groups that will improve their access to or retention in research, teaching, or other related professions;• developed and disseminated new educational materials or provided scholarships; or• provided exposure to science and technology for practitioners, teachers, young people, or other members of the public?
CW B.6-4a		<p>For purposes of NSF, this should address all efforts to broaden participation in science and engineering."</p> <p>For purposes of NSF, how has the project "provided opportunities for research, teaching and mentoring in science and engineering areas."</p>
CW B.6-5		<p>For example, has the project:</p> <ul style="list-style-type: none">* developed and disseminated new educational materials;* led to ideas for new approaches to course design or pedagogical methods; or* developed online resources that will be useful for teachers and students and other school staff?



CW B.6-6		<p>Including:</p> <ul style="list-style-type: none">* institutional resources (such as establishment or sustenance of societies or organizations); <p>including:</p> <ul style="list-style-type: none">* information resources, electronic means for accessing such resources or for scientific communication, or the like.
CW B.6-7		<p>including:</p> <ul style="list-style-type: none">• information resources, electronic means for accessing such resources or for scientific communication, or the like. <p>For NSF purposes, the institutional resources parenthetical language should read: (such as policies, practices, programs, or establishment or sustenance of societies or organizations); and information resources should include data services and preservation.</p>
CW B.6- 8	N	<p>Including:</p> <ul style="list-style-type: none">• transfer of results to entities in government or industry;• instances where the research has led to the initiation of a start-up company; or• adoption of new practices.
CW B.6-9	N	<p>For example, in areas such as:</p> <ul style="list-style-type: none">• improving public knowledge, attitudes, skills, and abilities;• changing behavior, practices, decision making, policies (including regulatory policies), or social actions; or• improving social, economic, civic, or environmental conditions.
CW B.6-10	N	<p>Describe what percentage of the award's budget was spent in foreign country(ies) for this reporting period. If more than one foreign country was involved, identify the distribution of funding between the foreign countries.</p> <p>U.S.-based recipients should provide the percentage of the budget spent in the foreign country(ies) and/or, if applicable, the percentage of the budget obligated to foreign entities as first-tier subawards.</p> <p>Recipients that are not U.S.-based should provide the percentage of the direct award received, excluding all first-tier subawards to U.S. entities. If applicable, provide separately the percentage of the budget obligated to non-U.S. entities as first-tier subawards.</p>



1.16. B.7 - PI - Report Entry – Changes

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Award 1463164 - Final Project Report

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Show Report & Progress Summary

Report Content

Cover | Accomplishments | Products | Participants/Organizations | Impact | **Changes/Problems**

< Save / Previous Section | Save | Save / Next Section >

Changes/ Problems

INSTRUCTIONS -

The PI is reminded that the grantee is required to obtain prior written approval from the awarding agency grants official whenever there are significant changes in the project or its direction. See agency specific instructions for submission of these requests.

If not previously reported in writing to the agency through other mechanisms, provide the following additional information or state, "Nothing to Report", if applicable:

- * Required fields

Notifications and Request

For more information on Grantee Notifications and Requests for approval from the National Science Foundation, please visit the Notifications and Requests section in FastLane or refer to Exhibit VII-1 of the Proposal & Award Policies & Procedures Guide (PAPPG).

* **Changes in approach and reasons for change** i Nothing to report

CW B.7-5

Characters Remaining: 8000

* **Actual or Anticipated problems or delays and actions or plans to resolve them** i Nothing to report

CW B.7-6

Characters Remaining: 8000

* **Changes that have significant impact on expenditures** i Nothing to report

CW B.7-7

Characters Remaining: 8000



Copy ID	CMS?	Copy
CW B.7-5	N	Describe any changes in approach during the reporting period and reasons for these changes. Remember that significant changes in objectives and scope require prior approval of the agency.
CW B.7-6	N	Describe problems or delays encountered during the reporting period and actions or plans to resolve them.
CW B.7-7	N	Describe changes during the reporting period that may have a significant impact on expenditures, for example, delays in hiring staff or favorable developments that enable meeting objectives at less cost than anticipated.
CW B.7-8	N	Describe significant deviations, unexpected outcomes, or changes in approved protocols for the use or care of human subjects during the reporting period. If required, were these changes approved by the applicable institution committee and reported to the agency? Also specify the applicable Institutional Review Board/Institutional Animal Care and Use Committee approval dates.
CW B.7-8a		For purposes of NSF, specify the applicable Institutional Review Board approval dates, with appropriate documentation provided and reported to the agency.
CW B.7-9	N	Describe significant deviations, unexpected outcomes, or changes in approved protocols for the use or care of vertebrate animals during the reporting period. If required, were these changes approved by the applicable institution committee and reported to the agency? Also specify the applicable Institutional Review Board/Institutional Animal Care and Use Committee approval dates.
CW B.7-9a		For purposes of NSF, specify the applicable Institutional Animal Care and Use Committee approval dates, with appropriate documentation provided and reported to the agency.
CW B.7-10	N	Describe significant deviations, unexpected outcomes, or changes in approved protocols for the use or care of biohazards during the reporting period. If required, were these changes approved by the applicable institution committee and reported to the agency? Also specify the applicable Institutional Review Board/Institutional Animal Care and Use Committee approval dates.



1.17. B.8 - PI - Report Entry - Special Requirements (Section not available for all project reports)



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! Please Note: The final project report is a vital, and required, part of the award closeout process. By submitting the report, you are indicating that the scope of work for the project has been completed and you do not anticipate any further action on the award, including a no cost extension, supplemental funding, nor transfer (PI Transfer). If you have questions regarding your award, please contact your cognizant Program Officer, or the Division of Grants and Agreements official listed on your award notice.

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Award 100002 - Annual Project Report

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! This report has been reviewed and returned by NSF. Please [review the comments provided](#), make necessary adjustments, and [re-submit](#) the report.

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Report Content

Cover
Accomplishments
Products
Participants/Organizations
Impact
Changes/Problems
Special Requirements

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Special Requirements

* Required fields

Respond to any special reporting requirements specified in the award terms and conditions, as well as any award specific reporting requirements.

Nothing to report

Characters Remaining: 8000

Supporting Files

You may also upload PDF files in support of this section. Please note, the maximum size allowed for upload is 10MB.

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Description (required if uploading a file). Please provide a description of the content contained in the attached file.

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1.18. B.10.1 - PI - Report Entry: Submit 2 (Certification)

The screenshot shows the Research.gov interface for submitting an annual project report. At the top, there is a navigation bar with the Research.gov logo and the text "ONLINE GRANTS MANAGEMENT FOR THE NSF COMMUNITY". To the right, it says "Welcome Michael Demmer" followed by links for "Logout (Home)", "My Profile", "Contact", "Help", and "About". Below this is a dark blue navigation menu with buttons for "My Desktop", "Prepare & Submit Proposals", "Awards & Reporting", "Manage Financials", and "Administration". A red notification box contains a warning icon and text: "Please Note: The final project report is a vital, and required, part of the award closeout process. By submitting the report, you are indicating that the scope of work for the project has been completed and you do not anticipate any further action on the award, including a no cost extension, supplemental funding, nor transfer (PI Transfer). If you have questions regarding your award, please contact your cognizant Program Officer, or the Division of Grants and Agreements official listed on your award notice." Below the notification is a link to "Hide all notifications" with "(Viewing 1 of 1 notification)". The main heading is "Award 1000001 - Annual Project Report". Below this, a message states: "Your project report is ready for submission to NSF. If you want to submit now please certify by checking the check box below then selecting the 'Submit Report' button." There is a checkbox followed by the text: "I certify that to the best of my knowledge (1) the statements herein (excluding scientific hypotheses and scientific opinions) are true and complete, and (2) the text and graphics in this report as well as any accompanying publications or other documents, unless otherwise indicated, are the original work of the signatories or individuals working under their supervision. I understand that the willful provision of false information or concealing a material fact in this report or any other communication submitted to NSF is a criminal offense (U.S. Code, Title 18, Section 1001)." At the bottom, there are two buttons: "Submit Report" and "Cancel".

1.19. B.10.2 - PI - Report Entry: Submit 3 (Confirmation)

The screenshot shows the Research.gov interface after a successful report submission. The top navigation bar and menu are identical to the previous screenshot. A large yellow confirmation box in the center contains the text: "Your report has been successfully submitted. Please contact your Program Officer if you have any questions." Below this box is a link that says "Return to Project Reports Home".