

STAR Metrics

Technical Discussion

eRA Standing Committee

FDP Meeting Jan 25, 2011

Agenda

- Introductions
- Summary of STAR METRICS Phase I and Phase II
- Overview of STAR METRICS website
- Feedback from university participants
- Q&A

STAR METRICS website



HOW TO GET STARTED

Get started by visiting the [Participation Guide](#). There you will find:

1. About STAR METRICS
2. Getting Started
3. Employment Calculations

IMPORTANT LINKS

Download these important documents.

Participation Agreement ([doc](#))

This agreement must be signed in order to participate. See the [Resources](#) page for instructions on sending this document.

Participation Guide ([pdf](#) | [doc](#))

Data Dictionary ([pdf](#) | [xls](#))

Technical Specifications ([pdf](#) | [doc](#))

CONTACT

Contact us at:
starmetrics@nih.gov

WHAT IS STAR METRICS?

STAR METRICS - Science and Technology for America's Reinvestment: Measuring the Effect of Research on Innovation, Competitiveness and Science, is a multi-agency venture led by the National Institutes of Health, the National Science Foundation (NSF) and the White House Office of Science and Technology Policy (OSTP).

The STAR METRICS project is a partnership between science agencies and research institutions to document the outcomes of science investments to the public. The benefits of STAR METRICS are that a common empirical infrastructure will be available to all recipients of federal funding and science agencies to quickly respond to State, Congressional and OMB requests. It is critical that this effort takes a bottom up approach that is domain specific, generalizable and replicable.

"It is essential to document with solid evidence the returns our Nation is obtaining from its investment in research and development. STAR METRICS is an important element of doing just that."

- John P. Holdren
Assistant to the President for Science and Technology and
Director of the White House Office of Science and Technology Policy
June 1, 2010.

See [Press Release \(pdf\)](#) May 28, 2010.

Participants may join Phase I at any time however they must be engaged in Phase I to participate in Phase II. For more information about how to join STAR METRICS, please go to the Participation Guide. A brief description of the two phases of the STAR METRICS project is as follows:

- **Phase I:** Developing uniform, auditable and standardized measures of the impact of science spending (ARRA and non-ARRA) on job creation, using data from research institutions' existing database records. No personally identifiable information (PII) is collected in Phase I.
- **Phase II:** Developing measures of the impact of federal science investment on scientific knowledge (using metrics such as publications and citations), social outcomes (e.g. health outcomes measures and environmental impact factors), workforce outcomes (e.g. student mobility and employment), and economic growth (e.g. tracing patents, new company start-ups and other measures). Phase II will require the collection of PII.

PARTICIPATE

[About STAR METRICS](#)
[Getting Started](#)
[Employment Calculations](#)

NEWS

RESOURCES

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[Data Submission](#)
[Other Resources](#)

FAQS

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[Reports](#)

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STAR METRICS

A Federal Collaboration with Research Institutions



*Science and Technology for America's Reinvestment
Measuring the Effects of Research on Innovation, Competitiveness and Science*

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STAR Metrics Login

- Uses local credentials and authentication if your institution participation with InCommon Federation
- External accounts created for institutions not participating with InCommons

NIH Federated Login

Account Type:

- ✓ Johns Hopkins University
- ✓ Northwestern University
- ✓ Oregon Health & Science University
- ✓ Stanford University
- ✓ University of California, San Francisco
- ✓ University of Wisconsin-Madison

✓ = [Federated with NIH](#)

Warning Notice

This is a U.S. Government computer system used for research and/or administrative action.

All information on this computer system is unclassified and may be released to the public. All information on this computer system must comply with confidentiality and privacy requirements.

Do not use this system for personal or commercial business by authorized personnel.

Use of this system is authorized for official purposes only. Use of this system, whether authorized or unauthorized, is prohibited.



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UPLOAD SAMPLES

These sample files have the correct structure and data element characteristics:

- Awards ([xml](#) | [csv](#))
- Employee ([xml](#) | [csv](#))
- Vendor ([xml](#) | [csv](#))
- Sub Awards ([xml](#) | [csv](#))

The XML files conform to this XSD:

- STAR METRICS Data Files.xsd

The **Technical Specifications** ([pdf](#) | [doc](#)) details the structure and characteristics of the XML and CSV files requested. This document also describes the procedures for sending data.

INDIRECT COST PROPOSAL

An institution's entire Indirect Cost Proposal or its Indirect Cost Proposal Spreadsheet can be sent. Please see the **Indirect Cost Proposal Explanation** ([pdf](#) | [doc](#)) for further explanation.

This file can be uploaded on the [Submit Indirect Cost Proposal](#) page.

RECENT SUBMISSION HISTORY

Only the three most recent submissions for each submission type are displayed here. [View the full submission history for older submissions.](#)

Submission Type	Latest Submission Date
▶ Award	1/14/2011 2:56 PM
▶ Employee	1/14/2011 2:56 PM
▶ Sub-Award	1/14/2011 2:56 PM
▶ Vendor	1/14/2011 2:56 PM

[>> Proceed to the full view of your submission history](#)

RECENT REPORTS

Only the three most recent reports are displayed here. [View the full reports history for older reports.](#)

Recent Reports			
Report Label	Report Type	Date Created	Action
PDF Version, Q1/2008 - Q3/2010	STAR METRICS Reporting	11/18/2010	Download
Word Version, Q1/2008 - Q3/2010	STAR METRICS Reporting	11/18/2010	Download
Excel Version, Q1/2008 - Q3/2010	STAR METRICS Reporting	11/18/2010	Download

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SUBMISSION HISTORY

Submission Type		Latest Submission Date				
▼ Award		1/14/2011 2:56 PM				
Label	Ver.	Submitted	Source and Date Range	Status	Action	Notes
Submission on 1/14/2011	1	1/14/2011 2:56 PM by mageier@wisc.edu	STARMetrics_2010Q4_AwardOverhead.csv (140.95 KB) 10/1/2010 - 12/31/2010 (2012 records)	✔ Valid	Resubmit	
Award Q2 2010	1	11/16/2010 11:50 AM by mageier@wisc.edu	STARMetrics_2010Q2_AwardOverhead.csv (139.05 KB) 4/1/2010 - 6/30/2010 (1979 records)	✔ Valid	Resubmit	
▶ Award Q3 2010	4	11/1/2010 12:33 PM by mageier@wisc.edu	STARMetrics_2010Q3_AwardOverhead.csv (146.42 KB) 7/1/2010 - 9/30/2010 (2085 records)	✔ Valid	Resubmit	
▶ Award Q1 2010	3	11/16/2010 1:48 PM by mageier@wisc.edu	STARMetrics_2010Q1_AwardOverhead.csv (133.01 KB) 1/1/2010 - 3/31/2010 (1893 records)	✔ Valid	Resubmit	
▶ Award Q4 2009	3	11/16/2010 1:51 PM by mageier@wisc.edu	STARMetrics_2009Q4_AwardOverhead.csv (127.34 KB) 10/1/2009 - 12/31/2009 (1812 records)	✔ Valid	Resubmit	
▶ Award Q3 2009	4	11/16/2010 4:07 PM by mageier@wisc.edu	STARMetrics_2009Q3_AwardOverhead.csv (122.03 KB) 7/1/2009 - 9/30/2009 (1736 records)	✔ Valid	Resubmit	
▶ Award Q2 2009	4	11/16/2010 4:54 PM by mageier@wisc.edu	STARMetrics_2009Q2_AwardOverhead.csv (105.36 KB) 4/1/2009 - 6/30/2009 (1498 records)	✔ Valid	Resubmit	
▶ Award Q1 2009	3	11/17/2010 9:40 AM by mageier@wisc.edu	STARMetrics_2009Q1_AwardOverhead.csv (99.42 KB) 1/1/2009 - 3/31/2009 (1414 records)	✔ Valid	Resubmit	
▶ Award Q4 2008	3	11/17/2010 9:42 AM by mageier@wisc.edu	STARMetrics_2008Q4_AwardOverhead.csv (94.56 KB) 10/1/2008 - 12/31/2008 (1342 records)	✔ Valid	Resubmit	
▶ Award Q3 2008	3	11/17/2010 10:52 AM by mageier@wisc.edu	STARMetrics_2008Q3_AwardOverhead.csv (90.84 KB) 7/1/2008 - 9/30/2008 (1287 records)	✔ Valid	Resubmit	
▶ Award Q2 2008	3	11/17/2010 12:44 PM by mageier@wisc.edu	STARMetrics_2008Q2_AwardOverhead.csv (82.41 KB) 4/1/2008 - 6/30/2008 (1165 records)	✔ Valid	Resubmit	
Award Q1 2008	1	10/15/2010 4:59 PM by StarMetrics4	AwardOverhead_20080331.csv (79.77 KB) <i>Unknown Date Range</i>	✘ Issues (2402)	Resubmit	🔍
▶ Employee		1/14/2011 2:56 PM				
▶ Sub-Award		1/14/2011 2:56 PM				
▶ Vendor		1/14/2011 2:56 PM				



Home » Dashboard » Submission History » Submission Issues

SUBMISSION ISSUES

Submission Type: Award

Label: Award Q1 2008

Source: AwardOverhead_20080331.csv

Submitted By: StarMetrics4

Submitted On: 10/15/2010

Version: 1 (of 1)

This is the latest version of this Award submission. - [Resubmit this file](#)

Issue Type		Distinct Issues	Description
▼ Date Format		2	The format of a date field was invalid.
Record	Data Element	Issue Details	
1-1201	PeriodStartDate	The value '20080101' should match the expected pattern ('YYYY-MM-DD', 'YYYY-MM-DDZ' (optional Z indicates UTC) or 'YYYY-MM-DD+00:00', 'YYYY-MM-DD-00:00' for a specific time zone).	
1-1201	PeriodEndDate	The value '20080331' should match the expected pattern ('YYYY-MM-DD', 'YYYY-MM-DDZ' (optional Z indicates UTC) or 'YYYY-MM-DD+00:00', 'YYYY-MM-DD-00:00' for a specific time zone).	



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DATA DICTIONARY

Review the **Data Dictionary** ([pdf](#)) details the structure and characteristics of the XML and CSV files requested.

EMPLOYMENT CALCULATIONS

See [Employment Calculations](#) for an explanation of the calculations used to

SECURE FILE UPLOAD: NEW SUBMISSION

Use this form to submit a new data file to STAR METRICS for University of Wisconsin, Madison. If you would like to submit an Indirect Cost Proposal file, please use the [Submit Indirect Cost Proposal](#) page instead.

If you need to resubmit (replace) data previously submitted, click the *Resubmit* link next to the appropriate submission on the [Submission History](#) page.

Provide a label for this submission (e.g. Q3 2010):

Select a file to upload (max. size 10 MB):

Add an optional short note:

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▶ Vendor	1/14/2011 2:56 PM

[>> Proceed to the full view of your submission history](#)

If this is your first data submission, we strongly suggest that you upload a small set of data to test the validity of the format and content of your submissions before sending a larger set of historical data. If possible, please consider providing data for Q1 2010, Q2 2010, and Q3 2010.

If you encounter any issues with this system, please contact us at starmetrics@nih.gov.

Open Discussion