

IRIS UMETRICS Data Dictionary

Version 4.3, Last Revised February 2026

Award File

Description: The Award File table should include all awards, including those awards that do not have overhead charged or direct expenditures.

Frequency: Please provide expenditure data summed monthly for each Unique Award.

Data Element	Data Element Name	Definition	Type	Length	Format	Examples
Period Start Date	PeriodStartDate	The start date for the period. Transaction periods must be monthly.	Date	N/A	(YYYY-MM-DD)	2009-10-01
Period End Date	PeriodEndDate	The end date for the period. Transaction periods must be monthly.	Date	N/A	(YYYY-MM-DD)	2009-12-31
Funding Source Name	FundingSource	The direct funding source assigned to each project.	String	200	No required format	Packard Foundation
Unique Award Number	UniqueAwardNumber	Identifier specifying an award and its funding source, as defined by concatenating the 6-position funding source code—either the CFDA code or a Other Funding Source (OFS) code—with an award identifier—either the federal award ID from the awarding Federal Agency (such as the federal grant number, federal contract number, or the federal loan number) for federal or subawarded awards, or an internal award ID for non-federal awards—with a space in between the two numbers.	String	100	[Funding Source CFDA] [Award Identifier] ##.### Award Identifier	28.124 FSI1232 47.223 5544111 00.000 1246581 00.200 State Award 1 12.345 0 47.000 0
Recipient Account Number	RecipientAccountNumber	Internal accounting code that allocates funds from award. May be at the "parent" or "child" level.	String	50	No required format	FS111222555
Award Title	AwardTitle	Title of Award	String	500	No required format	Collaborative Research: Empirical Analyses
Overhead Charged	OverheadCharged	Actual Overhead dollars charged to the award in the specified period.	Number	N/A	Dollar value - numeric without \$ sign or commas	1222.31
Total Direct Expenditures	TotalExpenditures	Total direct expenditures charged to the award in the specified period.	Number	N/A	Dollar value - numeric without \$ sign or commas	1038000.99
Campus ID	CampusId	Campus identifier to which the transaction is assigned	String	30	No required format	11, UMF, UMA, UMD
Sub Organizational Unit	SubOrgUnit	Sub unit identifier to which the transaction is assigned. This unit should be at the college level, not at the level of individual departments.	String	30	No required format	15

Employee File

Description: The Employee File table provided percentages of earnings spent on award, grouped by employee.

Frequency: Please provide transactional data for each employee working on a unique award. Only sum data to a monthly level if transactional data is unavailable.

Data Element	Data Element Name	Definition	Type	Length	Format	Examples
Period Start Date	PeriodStartDate	The start date for the transaction. Transaction periods must be monthly.	Date	N/A	(YYYY-MM-DD)	2009-10-01
Period End Date	PeriodEndDate	The end date for the transaction. Transaction periods must be monthly.	Date	N/A	(YYYY-MM-DD)	2009-10-31
Unique Award Number	UniqueAwardNumber	Identifier specifying an award and its funding source, as defined by concatenating the 6-position funding source code—either the CFDA code or a Other Funding Source (OFS) code—with an award identifier—either the federal award ID from the awarding Federal Agency (such as the federal grant number, federal contract number, or the federal loan number) for federal or subawarded awards, or an internal award ID for non-federal awards—with a space in between the two numbers.	String	100	[Funding Source CFDA] [Award Identifier] ##.### Award Identifier	28.124 FSI1232 47.000 5544111 00.000 1246581 00.200 State Award 1 12.345 0
Recipient Account Number	RecipientAccountNumber	Internal accounting code that allocates funds from award. May be at the "parent" or "child" level.	String	50	No required format	FS111222555
De-identified Employee ID Number	DeidentifiedEmployeeIdNumber	Unique Employee ID (not Social Security number) of grant funded personnel	String	50	No required format	E998811
Occupational Classification	OccupationalClassification	Employee's occupational classification on the award (If a former STARMETRICS member, use STARMETRICS occupational classification)	String	50	No required format	Faculty
Job Title	JobTitle	Job / Occupation Title (text from HR system)	String	100	No required format	Data Analyst
Object Code or Other Expense Category	ObjectCode	Internal organization object code or other expense type category assigned to transaction	String	50	No required format	B3848.001
SOC Federal Code	SOCCode	Standard Occupational Classification codes that are required for federal agency reporting (http://www.bls.gov/soc/)	String	30	##-####	11-1000
FTE Status	FteStatus	Designation of the status (percent) of the funded personnel (full time = 1.0, half time = .5)	Number	N/A	Decimal Number Between 0 and 1 (inclusive)	0.5
Proportion of Earnings Allocated to Award	ProportionOfEarningsAllocated	Calculated portion of earnings charged by funded personnel to the award in the specified period.	Number	N/A	Decimal Number Between 0 and 1 (exclusive)	0.33

Employee Name File

Description: The Employee File table provided percentages of earnings spent on award, grouped by employee.

Frequency: Please provide transactional data for each employee working on a unique award. Only sum data to a monthly level if transactional data is unavailable.

Data Element	Data Element Name	Definition	Type	Length	Format	Examples
De-identified Employee ID Number	DeidentifiedEmployeeIDNumber	Unique Employee ID (not Social Security number) of grant funded personnel	String	50	No required format	E998811
Employee Last Name	LastName	Employee last name	String	50	No required format	Jones
Employee Middle Name	MiddleName	Employee middle name	String	50	No required format	Marie
Employee First Name	FirstName	Employee first name	String	50	No required format	Christina
Employee Year of Birth	BirthYear	Employee's year of birth	Numeric	N/A	Integer - 4 digit	1967
Employee Month of Birth	BirthMonth	Employee's month of birth	Numeric	N/A	Integer - 2 digit	12

Vendor File

Description: Vendor payments grouped by Vendor. For Institution Address, please use the address that shows up on the invoice assigned to each transaction.

Frequency: Please provide a full fiscal year's worth of transactional data. Only sum data to a monthly level if transactional data is unavailable.

Data Element	Data Element Name	Definition	Type	Length	Format	Examples
Period Start Date	PeriodStartDate	The start date for the transaction. Transaction periods must be monthly.	Date	N/A	(YYYY-MM-DD)	2009-10-01
Period End Date	PeriodEndDate	The end date for the transaction. Transaction periods must be monthly.	Date	N/A	(YYYY-MM-DD)	2009-10-31
Unique Award Number	UniqueAwardNumber	Identifier specifying an award and its funding source, as defined by concatenating the 6-position funding source code—either the CFDA code or a Other Funding Source (OFS) code—with an award identifier—either the federal award ID from the awarding Federal Agency (such as the federal grant number, federal contract number, or the federal loan number) for federal or subawarded awards, or an internal award ID for non-federal awards—with a space in between the two numbers.	String	100	[Funding Source CFDA] [Award Identifier] ### ## Award Identifier	28.124.FS.J1232 47.000.5544111 00.000.1246581 00.200.State.Award.1 12.345.0 47.000.0
Recipient Account Number	RecipientAccountNumber	Internal accounting code that allocates funds from award. May be at the "parent" or "child" level.	String	50	No required format	FS111222555
Object Code or Other Expense Category	ObjectCode	Internal organization object code or other expense type category assigned to transaction	String	50	No required format	B3848.001
Organization / Vendor ID	OrganizationID	Internal identifier specifying the organization or institution of the vendor establishment.	String	50	No required format	
Vendor EIN	EIN	The Vendor's 9 digit EIN number	String	10	#####	123456789
Vendor DUNS number	DUNS	The Vendor's DUNS number	string	15	##-###-####	12-345-6789
Vendor Payment Amount	VendorPaymentAmount	The funds paid to the vendor in the specified period.	Number	N/A	Dollar value - numeric without \$ sign or commas	1222.31
Org or Institution Name	OrgName	Name of the vendor establishment	String	200	No required format	FISCHER SCIENTIFIC
Org or Institution PO Box	POBox	PO Box number of vendor establishment. Location information should be at the establishment level, not the firm level.	String	20	No required format	PO Box 4
Org or Institution Building Number	BldgNum	Building number of vendor establishment. Location information should be at the establishment level, not the firm level.	String	20	No required format	12343
Org or Institution Street Number	StrNumber	Street number of vendor establishment. Location information should be at the establishment level, not the firm level.	String	20	No required format	1234B
Org or Institution Street Name	StrName	Street name of vendor establishment. Location information should be at the establishment level, not the firm level.	String	100	No required format	Main Street
Org or Institution Address	Address	Number and Street Name into separate columns). Location information should be at the establishment level, not the firm level.	String	120	No required format	1235 Main Street
Org or Institution City	City	City of the vendor establishment. Location information should be at the establishment level, not the firm level.	String	50	No required format	Pittsburgh
Org or Institution State	State	State of vendor establishment. Location information should be at the establishment level, not the firm level.	String	2	Standard 2-letter abbreviation	PA
Org or Institution Zip Code - Domestic	DomesticZipCode	US Zip Code of vendor establishment. Location information should be at the establishment level, not the firm level.	String	10	ZIP/Postal Code: ##### #####- ##### #####	76442 76442-4321 764424321
Org or Institution Zip Code - Foreign	ForeignZipCode	Foreign Zip Code of vendor establishment. Location information should be at the establishment level, not the firm level.	String	20	No required format	04000
Org or Institution Country	Country	Country of vendor establishment. Location information should be at the establishment level, not the firm level.	String	2	2 or 3-letter International Organization for Standardization (ISO) country code	US - United States GB - Great Britain

Sub-Award File

Description: Sub-Award Payments grouped by Sub-Award Recipient. For Institution Address, please use the address that shows up on the invoice assigned to each transaction.

Frequency: Please provide a full fiscal year's worth of transactional data. Only sum data to a monthly level if transactional data is unavailable.

Data Element	Data Element Name	Definition	Type	Length	Format	Examples
Period Start Date	PeriodStartDate	The start date for the transaction. Transaction periods must be monthly.	Date	N/A	(YYYY-MM-DD)	2009-10-01
Period End Date	PeriodEndDate	The end date for the transaction. Transaction periods must be monthly.	Date	N/A	(YYYY-MM-DD)	2009-10-31
Unique Award Number	UniqueAwardNumber	Identifier specifying an award and its funding source, as defined by concatenating the 6-position funding source code—either the CFDA code or a Other Funding Source (OFS) code—with an award identifier—either the federal award ID from the awarding Federal Agency (such as the federal grant number, federal contract number, or the federal loan number) for federal or subawarded awards, or an internal award ID for non-federal awards—with a space in between the two numbers.	String	100	[Funding Source CFDA] [Award Identifier] ### Award Identifier	28.124.FS.1232 47.000.5544111 00.000.1246581 00.200.State.Award.1 12.345.0 47.000.0
Recipient Account Number	RecipientAccountNumber	Internal accounting code that allocates funds from award. May be at the "parent" or "child" level.	String	50	No required format	FS111222555
Object Code or Other Expense Category	ObjectCode	Internal organization object code or other expense type category assigned to transaction	String	50	No required format	83848.001
Organization / Institution ID	OrganizationID	Internal identifier specifying the subawardee (subrecipient).	String	50	No required format	
Sub-Award Recipient EIN Number	EIN	The subawardee's 9 digit EIN number	String	10	#####	EIN: 123456789
Sub Award DUNS number	DUNS	The subawardee's DUNS number	string	15	#####	12-345-6789
Sub-Award Payment Amount	SubAwardPaymentAmount	The funds paid to the subawardee in the specified period.	Number	N/A	Dollar value - numeric without \$ sign or commas	1222.31
Org or Institution Name	OrgName	Name of the subawardee establishment	String	200	No required format	University of Michigan
Org or Institution PO Box	POBox	PO Box number of subawardee establishment. Location information should be at the establishment level, not the firm level.	String	20	No required format	PO Box 4
Org or Institution Building Number	BldgNum	Building number of subawardee establishment. Location information should be at the establishment level, not the firm level.	String	20	No required format	12343
Org or Institution Street Number	StrNumber	Street number of subawardee establishment. Location information should be at the establishment level, not the firm level.	String	20	No required format	1234B
Org or Institution Street Name	StrName	Street name of subawardee establishment. Location information should be at the establishment level, not the firm level.	String	100	No required format	Main Street
Org or Institution Address	Address	Vendor establishment address metadata (alternative to splitting the PO Box, Building Number, Street Number and Street Name into separate columns). Location information should be at the establishment level, not the firm level.	String	120	No required format	1235 Main Street
Org or Institution City	City	City of the subawardee establishment. Location information should be at the establishment level, not the firm level.	String	50	No required format	Pittsburgh
Org or Institution State	State	State of subawardee establishment. Location information should be at the establishment level, not the firm level.	String	2	Standard 2-letter abbreviation	PA
Org or Institution Zip Code - Domestic	DomesticZipCode	US Zip Code of subawardee establishment. Location information should be at the establishment level, not the firm level.	String	10	ZIP/Postal Code: ##### ##### ##### #####	ZIP/Postal Code: 76442 76442-4321 764424321
Org or Institution Zip Code - Foreign	ForeignZipCode	Foreign Zip Code of subawardee establishment. Location information should be at the establishment level, not the firm level.	String	20	No required format	04000
Org or Institution Country	Country	Country of subawardee establishment. Location information should be at the establishment level, not the firm level.	String	2	2 or 3-letter International Organization for Standardization (ISO) country code	US - United States GB - Great Britain

Object Codes File

Description: Ancillary table to describe the object coding in the employee, vendor and subaward transactional files.

Data Element	Data Element Name	Definition	Type	Length	Format	Examples
Object Code or Other Expense Category	ObjectCode	Internal organization object code or other expense type category assigned to transaction	String	50	No required format	83848.001
Object Code Description	ObjectCodeText	Text to describe the object coding	String	200	No required format	Faculty Salary Office Supplies

Organization Unit File

Description: Ancillary table to describe the campus and sub organization unit coding.

Data Element	Data Element Name	Definition	Type	Length	Format	Examples
Campus ID	CampusId	Campus identifier to which a transaction is assigned	String	30	No required format	11
Sub Organizational Unit	SubOrgUnit	Sub unit identifier to which a transaction is assigned. This unit should be at the college level, not at the level of individual departments.	String	30	No required format	15
Campus Name	CampusName	Name of Campus	String	200	No required format	University of Minnesota - Duluth Campus
Sub Organizational Unit Name	SubOrgUnitName	Name of the sub organizational unit	String	200	No required format	School of Arts and Sciences

Award Identity File

Description: Unique identifiers for awards. This file should include data that provides identification data for each award reported in the award expenditures file.

Frequency: Please provide a single record for each unique award that is reported in the award expenditures file.

Data Element	Data Element Name	Definition	Type	Length	Format	Examples
Unique Award Number	UniqueAwardNumber	Identifier specifying an award and its funding source, as defined by concatenating the 6-position funding source code—either the CFDA code or a Other Funding Source (OFS) code—with an award identifier—either the federal award ID from the awarding Federal Agency (such as the federal grant number, federal contract number, or the federal loan number) for federal or subawarded awards, or an internal award ID for non-federal awards—with a space in between the two numbers. This is the same key field as is used in the award transaction, vendor, employee, and subaward tables.	String	100	[Funding Source CFDA] [Award Identifier] ##.### Award Identifier	28.124 FSJ1232 47.000 5544111 00.000 1246581 00.200 State Award 1 12.345 0 47.000 0
Prime Award Identifier	PrimeAwardId	The number or text representing the unique identifier assigned by the Prime Sponsor to a commitment of funds awarded for a specified time period for an awarded proposal.	String	100	No required format	11124058
Prime Award Title	PrimeAwardTitle	Formal name of the award that is provided by the prime, or originating, funder.	String	500	No required format	Quantum Nullifier Amplification
Prime Sponsor	PrimeSponsor	Name of the prime sponsoring federal agency, foundation, or private company originating this award. This should always be the original or "prime" funding agency. In the case of subawards it is the ultimate source of the funding, not the pass through organization(s) that funded the subaward.	String	200	No required format	National Science Foundation
Federal / Nonfederal Flag	FedFlag	An indicator flag of whether the award was funded by a federal agency or a nonfederal agency. In the case of subawards from pass through organizations the flag should reflect the original, prime status.	String	1	A single character: F= Federal, N=Nonfederal	F N
FAIN Number	FAIN	This is the Federal Award Identification Number assigned by the sponsoring federal agency if the award is federally funded. Leave blank (null) if no FAIN is available or if the award is nonfederal.	String	100	No required format	P375A081922
CFDA Code	CFDAcode	This is the Catalog of Federal Domestic Assistance (CFDA) number that designates the specific federal agency that funded the award. For federal awards, this code is assigned to the program by the sponsoring agency. For awards from nonfederal sources, this code should follow the Other Funding Source (OFS) coding convention as described in the award transaction file data dictionary. For subawards from pass-through entities for which the prime sponsor is a federal agency, this is the federal CFDA program number.	String	50	XX.ABC 84.123	84.123 93.001
Prime / Subaward Flag	PrimeFlag	An indicator flag of whether the award is a prime award funded directly by a federal agency, foundation, or other source that is not a pass through organization. In the case of a pass through subaward the award should be flagged as a subaward.	String	1	A single character: P=Prime Award, S= Subaward	P S
Direct Sponsor	DirectSponsor	If it is a subaward, the name of the pass-through entity (e.g., university, foundation, or private company) that subcontracted to your university. If it is a prime award, leave this field null.	String	100	No required format	Nova University
Internal Award Identifier	InternalAwardId	The award identifier used across systems in your university used to track the award and its activities.	String	100	No required format	11124058
Recipient Account Number	RecipientAccountNumber	The parent account used by your university to receive funds for this award. This may differ from the recipient account number provided in the award, employee, vendor, and subaward tables if "child" accounts are used in those tables.	String	50	No required format	R12345789
Internal Award Title	InternalAwardTitle	The title used in your university's internal systems for the award.	String	500	No required format	Practical Applications of Nullifier Technology
Campus	CampusId	The campus administering the award for your university	String	30	No required format	11, UMF, UMA, UMD
Sub-Organization Unit	SubOrgUnit	School, college, or unit administering the award for your university.	String	30	No required format	15
Department	Dept	Department administering the award for your university.	String	100	No required format	Physics Department
Total Award Amount	TotalAwardAmt	Total estimated awarded amount across all years of this award.	Number	N/A	Dollar value - numeric without \$ sign or commas	1222.3
Award Begin Date	AwardBeginDate	First day of sponsored funding period of this award across all years	Date	N/A	(YYYY-MM-DD)	10/1/2009
Award End Date	AwardEndDate	Last day of sponsored funding period of this award across all years (could be in the future).	Date	N/A	(YYYY-MM-DD)	2009-10-01 2009-10-31
Prime Award PI First Name	PrimePIFirstName	The first name of the Contact PI or Project Director on the original prime award. (Leave blank (null) if not available).	String	100	No required format	Reed
Prime Award PI Last Name	PrimePILastName	The last name of the Contact PI or Project Director on the original prime award. (Leave blank (null) if not available).	String	100	No required format	Richards
Subrecipient PI First Name	SubPIFirstName	The first name of the principal investigator at your university for awards received from prime awardees. Leave blank (null) if not available or if the award is a prime award.	String	100	No required format	Anthony
Subrecipient PI Last Name	SubPILastName	The last name of the principal investigator at your university for awards received from prime awardees. Leave blank (null) if not available or if the award is a prime award.	String	100	No required format	Stark
Deidentified Employee Number of PI	DeidentifiedEmployeeIdNumber	Unique Employee ID (not Social Security Number) of the PI at your university: Prime PI if this is a Prime Award and Subrecipient PI if this is a subaward	String	100	No required format	E998811
ORCID ID of PI	OrcidID	The ORCID ID of the award PI. If the award is a prime award then the ORCID ID of the prime award PI. If the award is a subaward then the ORCID ID of the subaward PI at your university.	String	100	#####	0000-0001-5000-0007
Co-I Flag	CoIFlag	An indicator flag of whether the award has co-investigators	String	1	A single character: Y=yes, N=no	Y

Award Co-Investigators File

Description: This file should include names of Co- Investigators or each award flagged in the award identity file as having co-investigators.

Frequency: Please provide a distinct record for each co-investigator named on each award provided in the award identity table, using the same internal award identifier and title as provided in that table.

Data Element	Data Element Name	Definition	Type	Length	Format	Examples
Internal Award Identifier	InternalAwardID	The award identifier used across systems in your university used to track the award and its activities	String	100	No required format	111240587
Internal Award Title	InternalAwardTitle	The title used in your university's internal systems for the award.	String	500	No required format	Practical Applications of Nullifer Technology
Co-I First Name	CoFirstName	First name of this Co-Investigator	String	100	No required format	Alexandria
Co-I Last Name	CoLastName	Last name of this Co-Investigator	String	100	No required format	Ocasio-Cortez
Co-I Deidentified Employee Number	CoNumber	Unique Employee ID (not Social Security Number) of this investigator	String	100	No required format	G911123
Co-I Role	CoRole	The role of this person on this award	String	100	No required format	Co-Principal Investigator; Participating Investigator
Co-I Affiliation	CoAffiliation	The university that the Co-Investigator is affiliated with	String	100	No required format	University of Michigan