

UMETRICS-IRIS Data Dictionary

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This data dictionary draws from the STAR METRICS federal-university initiative as well as the CIC university-led UMETRICS initiative. The UMETRICS data dictionary can be found at <http://www.cic.net/docs/default-source/umetrics/umetrics-data-dictionary.pdf?sfvrsn=6>.

File	File Description	Data Element	Data Element Name	Definition	Type	Length	Format	Examples	Frequency
Award	This table should include all awards, including those awards that do not have overhead charged or direct expenditures	Period Start Date	PeriodStartDate	The start date for the period.	Date	N/A	(YYYY-MM-DD)	2009-10-01	Please provide expenditure data summed monthly for each Unique Award
		Period End Date	PeriodEndDate	The end date for the period.	Date	N/A	(YYYY-MM-DD)	2009-12-31	
		Funding Source Name	FundingSource	Funding source assigned to each project – maps directly to funding code	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 STAR 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) or an internal award ID for non-federal awards—with a space in between the two numbers.	String	100	[Funding Source] [Award Identifier] ###.### Award Identifier	28.124.FSJ1232 47.000.5544111 00.000.1246581 00.200.State Award 1 12.345.0 47.000.0	
		Recipient Account Number	RecipientAccountNumber	Research Institution's internal number for the award.	String	50	No required format	FS111222555	
		Award Title	AwardTitle	Title of Award	String	500	No required format	Collaborative Research: Empirical Analyses of	
		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 to which each award is assigned	String	30	No required format	11, UMF, UMA, UMD	
		Sub Organizational Unit	SubOrgUnit	Sub unit of university campus to which each award is assigned. This unit should be at the college level, not at the level of individual departments.	String	30	No required format	15	

File	File Description	Data Element	Data Element Name	Definition	Type	Length	Format	Examples	Frequency
Employee	Percentage of Earnings Spent on Award, grouped by Employee	Period Start Date	PeriodStartDate	The start date for the transaction.	Date	N/A	(YYYY-MM-DD)	2009-10-01	Please provide transactional data for each employee working on a unique award. Only sum data to a monthly level if transactional data is unavailable.
		Period End Date	PeriodEndDate	The end date for the transaction.	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 STAR 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) or an internal award ID for non-federal awards—with a space in between the two numbers.	String	100	[Funding Source] [Award Identifier] ###.### Award Identifier	28.124.FSJ1232 47.000.5544111 00.000.1246581 00.200.State Award 1 12.345.0 47.000.0	
		Recipient Account Number	RecipientAccountNumber	Research Institution's internal number for the award.	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	
		SM Occupational Classification	OccupationalClassification	STAR METRICS occupational classification (If already star metrics participant please include this information.)	String	50	SM occupational classification (e.g. Faculty, Graduate Student, etc.)	Faculty	
		Job Title	JobTitle	Job / Occupation Title (text from HR system)	String	100			
		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	No required format	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	Link employee names to Employee File	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 (alternative to dob)	Numeric	N/A	Integer	1967	
		Employee Month of Birth	BirthMonth	Employee's month of birth (alternative to dob)	Numeric	N/A	Integer - 2 digit	12	

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File	File Description	Data Element	Data Element Name	Definition	Type	Length	Format	Examples	Frequency
Vendor	For Institution Address, please use the address that shows up on the invoice assigned to each transaction.	Period Start Date	PeriodStartDate	The start date for the transaction.	Date	N/A	(YYYY-MM-DD)	2009-10-01	Please provide a full fiscal year's worth of transactional data. Only sum data to a monthly level if transactional data is unavailable.
		Period End Date	PeriodEndDate	The end date for the transaction.	Date	N/A	(YYYY-MM-DD)	2009-10-01 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 STAR 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) or an internal award ID for non-federal awards—with a space in between the two numbers.	String	100	[Funding Source] [Award Identifier] ##.### Award Identifier	28.124 FSJ1232 47.000 5544111 00.000 1246581 00.200 State Award 1 12.345 0 47.000 0	
		Recipient Account Number	RecipientAccountNumber	Research Institution's internal number for the award.	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 organization.	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 charged to the award by 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 sub-recipient or vendor organization	String	200	No required format	FISCHER SCIENTIFIC	
		Org or Institution PO Box	POBox	PO Box number of institution.	String	20	No required format	PO Box 4	
		Org or Institution Building Number	BldgNum	Building number of institution	String	20	No required format	12343	
		Org or Institution Street Number	StrNumber	Street number of institution	String	20	No required format	1234B	
		Org or Institution Street Name	StrName	Street name of institution	String	100	No required format	Main Street	
		Org or Institution Address	Address	Institution address metadata (alternative to splitting the PO Box, Building Number, Street Number and Street Name into separate columns)	String	120	No required format	1235 Main Street	
		Org or Institution City	City	City of the sub-recipient or vendor organization	String	50	No required format	Pittsburgh	
		Org or Institution State	State	State of sub-recipient or vendor organization	String	2	Standard 2-letter abbreviation	PA	
		Org or Institution Zip Code - Domestic	DomesticZipCode	US Zip Code of sub-recipient or vendor organization	String	10	ZIP/Postal Code: ##### #####-#### #####	76442 76442-4321 764424321	
Org or Institution Zip Code - Foreign	ForeignZipCode	Foreign Zip Code of sub-recipient or vendor organization	String	20	No required format	04000			
Org or Institution Country	Country	Country of sub-recipient or vendor organization	String	2	2 or 3-letter International Organization for Standardization (ISO) country code	US - United States GB - Great Britain			

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File	File Description	Data Element	Data Element Name	Definition	Type	Length	Format	Examples	Frequency
Sub-Award	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.	Period Start Date	PeriodStartDate	The start date for the transaction.	Date	N/A	(YYYY-MM-DD)	2009-10-01	Please provide a full fiscal year's worth of transactional data. Only sum data to a monthly level if transactional data is unavailable.
		Period End Date	PeriodEndDate	The end date for the transaction.	Date	N/A	(YYYY-MM-DD)	2009-10-01 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 STAR 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) or an internal award ID for non-federal awards—with a space in between the two numbers.	String	100	[Funding Source] [Award Identifier] ##.### Award Identifier	28.124 FSJ1232 47.000 5544111 00.000 1246581 00.200 State Award 1 12.345 0 47.000 0	
		Recipient Account Number	RecipientAccountNumber	Research Institution's internal number for the award.	String	50	No required format	FS11222555	
		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 / Institution ID	OrganizationID	Internal identifier specifying the organization or institution of the sub-recipient organization.	String	50	No required format		
		Sub-Award Recipient EIN Number	EIN	The Sub-Recipient's 9 digit EIN number.	String	10	#####	EIN: 123456789	
		Sub-Award DUNS number	DUNS	The Sub-Award's DUNs number	string	15	##-###-####	12-345-6789	
		Sub-Award Payment Amount	SubAwardPaymentAmount	The funds charged to the award by the sub-awardee in specified period.	Number	N/A	Dollar value - numeric without \$ sign or commas	1222.31	
		Org or Institution Name	OrgName	Name of the sub-recipient or vendor organization	String	200	No required format	FISCHER SCIENTIFIC	
		Org or Institution PO Box	POBox	PO Box number of institution	String	20	No required format	PO Box 4	
		Org or Institution Building Number	BldgNum	Building number of institution	String	20	No required format	12343	
		Org or Institution Street Number	StrNumber	Street number of institution	String	20	No required format	1234B	
		Org or Institution Street Name	StrName	Street name of institution	String	100	No required format	Main Street	
		Org or Institution Address	Address	Institution address metadata (alternative to splitting the PO Box, Building Number, Street Number and Street Name into separate columns)	String	120	No required format	1235 Main Street	
		Org or Institution City	City	City of the sub-recipient or vendor organization	String	50	No required format	Pittsburgh	
		Org or Institution State	State	State of sub-recipient or vendor organization	String	2	Standard 2-letter abbreviation	PA	
		Org or Institution Zip Code - Domestic	DomesticZipCode	US Zip Code of sub-recipient or vendor organization	String	10	ZIP/Postal Code: ##### #####-#### #####	ZIP/Postal Code: 76442 76442-4321 764424321	
		Org or Institution Zip Code - Foreign	ForeignZipCode	Foreign Zip Code of sub-recipient or vendor organization	String	20	No required format	04000	
		Org or Institution Country	Country	Country of sub-recipient or vendor organization	String	2	2 or 3-letter International Organization for Standardization (ISO) country code	US - United States GB - Great Britain	

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File	File Description	Data Element	Data Element Name	Definition	Type	Length	Format	Examples	Frequency
Object Codes	Ancillary table to describe the object coding in the employee, vendor and subaward transactional files	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	
		Object Code Description	ObjectCodeText		Text to describe the object coding	String	200	No required format	

File	File Description	Data Element	Data Element Name	Definition	Type	Length	Format	Examples	Frequency
Organization Unit	Ancillary table to describe the campus and sub organization unit coding	Campus ID	CampusId	Campus that each project is assigned to	String	30	No required format	11	
		Sub Organizational Unit	SubOrgUnit	Sub unit of university campus to which each project 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	

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File	File Description	Data Element	Data Element Name	Definition	Type	Length	Format	Examples	Frequency	
Award Identity	This file should include data that provides identification data for each award reported in the award expenditures file.	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 STAR 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) 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 FSL1232 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		111240587	
		Prime Award Title	PrimeAwardTitle	Formal name of the award that is provided by the prime, or originating, funder.	String	100	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	100	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 nonfederal pass through organization.	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 STAR 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	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			111240587
		Recipient Account Number	RecipientAccount	The parent account used by your university to receive funds for this award.	String	100	No required format		R12345789	
		Internal Award Title	InternalAwardTitle	The title used in your university's internal systems for the award.	String	100	No required format		Practical Applications of Nullifer	
		Campus	CampusId	The campus administering the award for your university	String	100	No required format		11, UMF, UMA, UMD	
		Sub-Organization Unit	SubOrgUnit	School, college, or unit administering the award for your university.	String	100	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			1222.31
		Award Begin Date	AwardBeginDate	First day of sponsored funding period of this award across all years	Date	N/A	(YYYY-MM-DD)			10/17/2009
		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	
		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	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	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	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	0000-0000-0000-0000		0000-0001-5000-0007			

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

Version Number: 4
 Version Date: 11/13/2019

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Award Co-Investigators	Co-Investigators This file should include names of Co-Investigators for each award reported in the award identity file.	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	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.
		Internal Award Title	InternalAwardTitle	The title used in your university's internal systems for the award.	String	100	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	