

STATE OF CALIFORNIA

AGREEMENT SUMMARY

STD 215 (Rev. 08/2017)

AGREEMENT NUMBER 17-2040	AMENDMENT NUMBER A-1
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CHECK HERE IF ADDITIONAL PAGES ARE ATTACHED

1. CONTRACTOR'S NAME California Workforce Development Board		2. FEDERAL I.D. NUMBER Government Entity
3. AGENCY TRANSMITTING AGREEMENT California Department of Social Services	4. DIVISION, BUREAU, OR OTHER UNIT Contracts and Purchasing Bureau	5. AGENCY BILLING CODE 068665
6a. CONTRACT ANALYST NAME Pilar Huerta	6b. EMAIL pilar.huerta@dss.ca.gov	6c. PHONE NUMBER (916) 651-9464

7. HAS YOUR AGENCY CONTRACTED FOR THESE SERVICES BEFORE?
 No Yes (If Yes, enter prior Contractor Name and Agreement Number)

PRIOR CONTRACTOR NAME
N/A - Amendment

PRIOR AGREEMENT NUMBER
N/A - Amendment

8. BRIEF DESCRIPTION OF SERVICES
 Provide client data to populate the Cross-System Analytics and Assessment for Learning and Skills Attainment (CAAL Skills).

9. AGREEMENT OUTLINE (Include reason for Agreement: Identify specific problem, administrative requirement, program need or other circumstances making the Agreement necessary; include special or unusual terms and conditions.)

Amendment 1 shall extend the contract term from December 31, 2018 to June 30, 2019 and add CAAL-Skills Data Exchange Specification Requirements and Language.

[Orig. California Department of Social Services (CDSS) shall provide California Work Opportunity and Responsibility to Kids (CalWORKs) and CalFresh, client data to California Workforce Development Board (CWDB) to populate the Cross-System Analytics and Assessment for Learning and Skills Attainment (CAAL Skills) Project data repository. CWDB must meet statutory requirements found in California Unemployment Insurance code, Section 10413, subdivision (i), which specifies that CWDB develop a workforce metrics dashboard using existing data resources currently collected by and accessible to state organizations.]

10. PAYMENT TERMS (More than one may apply)

- Monthly Flat Rate Quarterly One-Time Payment Progress Payment
 Itemized Invoice Withhold _____ % Advanced Payment Not To Exceed _____ or _____ %
 Reimbursement / Revenue
 Other (Explain)

11. PROJECTED EXPENDITURES

FUND TITLE	ITEM	FISCAL YEAR	CHAPTER	STATUTE	PROJECTED EXPENDITURES

OBJECT CODE	AGREEMENT TOTAL
-------------	------------------------

OPTIONAL USE	AMOUNT ENCUMBERED BY THIS DOCUMENT \$0.00
	PRIOR AMOUNT ENCUMBERED FOR THIS AGREEMENT \$0.00

I certify upon my own personal knowledge that the budgeted funds for the current budget year are available for the period and purpose of the expenditure stated above. TOTAL AMOUNT ENCUMBERED TO DATE \$0.00

ACCOUNTING OFFICER'S SIGNATURE NO FUNDING IMPACT	ACCOUNTING OFFICER'S NAME (Print or Type)	DATE SIGNED
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---	---------------------------------------

12. AGREEMENT

AGREEMENT	TERM FROM	TERM THROUGH	TOTAL COST OF THIS TRANSACTION	BID, SOLE SOURCE, EXEMPT
Original	01/28/2018	12/31/2018	\$0.00	Exempt
Amendment 1	01/28/2018	06/30/2019	\$0.00	Exempt
Amendment 2				
TOTAL			\$0.00	

13. BIDDING METHOD USED

- Request for Proposal (RFP) (Attach justification if secondary method is used)
 Use of Master Service Agreement
 Invitation for Bid (IFB)
 Exempt from Bidding (Give authority for exempt status)
 Sole Source Contract (Attach STD. 821)
 Other (Explain) SCM Vol. 1, 5.80 (A)(4) - Interagency Agreement

Note: Proof of advertisement in the State Contracts Register or an approved form STD. 821, Contract Advertising Exemption Request, must be attached

14. SUMMARY OF BIDS (List of bidders, bid amount and small business status) (If an amendment, sole source, or exempt, leave blank)

N/A

15. IF AWARD OF AGREEMENT IS TO OTHER THAN THE LOWER BIDDER, EXPLAIN REASON(S) (If an amendment, sole source, or exempt, leave blank)

N/A

16. WHAT IS THE BASIS FOR DETERMINING THAT THE PRICE OR RATE IS REASONABLE?


N/A

17a. JUSTIFICATION FOR CONTRACTING OUT (Check one)

- Contracting out is based on cost savings per Government Code 19130(a). The State Personnel Board has been so notified.
 Contracting out is justified based on Government Code 19130(b). When this box is checked, a completed JUSTIFICATION - CALIFORNIA CODE OF REGULATIONS, TITLE 2, SECTION 547.60 must be attached to this document.
 Not Applicable (Interagency / Public Works / Other Interagency)

17b. EMPLOYEE BARGAINING UNIT NOTIFICATION

- By checking this box, I hereby certify compliance with Government Code section 19132(b)(1).

AUTHORIZED SIGNATURE 	SIGNER'S NAME (Print or Type) Pilar Huerta, Contracts Analyst	DATE SIGNED 8/6/18
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18. FOR AGREEMENTS IN EXCESS OF \$5,000: Has the letting of the agreement been reported to the Department of Fair Employment and Housing? <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	22. REQUIRED RESOLUTIONS ARE ATTACHED <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A 23. IS THIS A SMALL BUSINESS AND/OR A DISABLED VETERAN BUSINESS CERTIFIED BY DGS? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes SB/DVBE Certification Number: _____
19. HAVE CONFLICT OF INTEREST ISSUES BEEN IDENTIFIED AND RESOLVED AS REQUIRED BY THE STATE CONTRACT MANUAL SECTION 7.10? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	
20. FOR CONSULTING AGREEMENTS: Did you review any contractor evaluations on file with the DGS Legal Office? <input type="checkbox"/> None on file <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	
21. IS A SIGNED COPY OF THE FOLLOWING ON FILE AT YOUR AGENCY FOR THIS CONTRACTOR? A. Contractor Certification Clauses <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A B. STD 204 Vendor Data Record <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	

24. ARE DISABLED VETERANS BUSINESS ENTERPRISE GOALS REQUIRED? (If an amendment, explain changes if any) No (Explain below) Yes _____ % of Agreement
 Exempt per SCM Vol. 1, 8.12.D - Interagency Agreement

25. IS THIS AGREEMENT (WITH AMENDMENTS) FOR A PERIOD OF TIME LONGER THAN THREE YEARS? No Yes (If Yes, provide justification below)

I certify that all copies of the referenced Agreement will conform to the original agreement sent to the Department of General Services.

SIGNATURE 	NAME/TITLE (Print or Type) Michael White, SSMI, Contracts & Purchasing	DATE SIGNED 8/7/18
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---	---------------------------------------

JUSTIFICATION - CALIFORNIA CODE OF REGULATIONS, TITLE 2, SECTION 547.60

In the space provided below, the undersigned authorized state representative documents, with specificity and detailed factual information, the reasons why the contract satisfies one or more of the conditions set forth in Government Code section 19130(b). Please specify the applicable subsection. Attach extra pages if necessary.

N/A - Interagency Agreement

The undersigned represents that, based upon his or her personal knowledge, information or belief the above justification correctly reflects the reasons why the contract satisfies Government Code section 19130(b).

SIGNATURE	NAME/TITLE(Print or Type)	DATE SIGNED	
PHONE NUMBER	STREET ADDRESS		
EMAIL	CITY	STATE	ZIP

CHECK HERE IF ADDITIONAL PAGES ARE ATTACHED 70 Pages

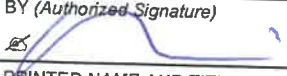

AGREEMENT NUMBER	AMENDMENT NUMBER
17-2040	A-1
REGISTRATION NUMBER	

- This Agreement is entered into between the State Agency and Contractor named below:
STATE AGENCY'S NAME
 California Department of Social Services
CONTRACTOR'S NAME
 California Workforce Development Board
- The term of this Agreement is April 16, 2018 through June 30, 2019
- The maximum amount of this Agreement after this amendment is: \$0.00
 Zero Dollars and 00/100
- The parties mutually agree to this amendment as follows. All actions noted below are by this reference made a part of the Agreement and incorporated herein:

- Standard Agreement 17-2040, originally made and entered into on April 16, 2018, is amended on this day of July 1, 2018 in the following particulars and no others.
- STD 213, item 2, the term of the Agreement is amended to extend the termination date by six months from December 31, 2018 to June 30, 2019. The amended term of the agreement shall begin on April 16, 2018 through June 30, 2019. The extension will allow the Contractor to continue to establish a data repository and analytics platform CAAL-Skills.
- Exhibit A – Attachment 1, Specifications, is amended to add additional language for the CAAL-Skills Data Exchange Specification Requirements.

Continued on Page 2

IN WITNESS WHEREOF, this Agreement has been executed by the parties hereto.

CONTRACTOR		CALIFORNIA Department of General Services Use Only
CONTRACTOR'S NAME (If other than an individual, state whether a corporation, partnership, etc.)		
California Workforce Development Board		
BY (Authorized Signature) 	DATE SIGNED (Do not type) 7/31/18	
PRINTED NAME AND TITLE OF PERSON SIGNING Tim Rainey, Director		
ADDRESS 800 Capital Mall, Suite 1022, Sacramento, CA 95814		<input checked="" type="checkbox"/> Exempt per: SCM Vol. 1, 4.04 (A)(2)
STATE OF CALIFORNIA		
AGENCY NAME California Department of Social Services		
BY (Authorized Signature) 	DATE SIGNED (Do not type) 8/7/18	
PRINTED NAME AND TITLE OF PERSON SIGNING Michael White, SSMI, Contracts & Purchasing Bureau		
ADDRESS 744 P Street, MS 8-14-747, Sacramento, CA 95814		

- D. **Exhibit A- Attachment 3. CAAL-Skills, Data Exchange Specification Requirements**, is incorporated to establish specification requirements with County Welfare Directors Association.
- E. All other terms and conditions shall remain the same.

SPECIFICATIONS

I. METHODOLOGY

Please see Exhibit A - Attachment 2 - CAAL-Skills Data Exchange Specification Requirements, version DSS, **and Exhibit A – Attachment 3 – CAAL-Skills Data Exchange Specification Requirements, version CWDA (County Welfare Directors Association)**, for information regarding data specifications and transfer protocols.

II. RESPONSIBILITIES

A. The CWDB agrees to:

1. Provide Project sponsorship.
2. Engage a Technical Project Manager to guide Project activities.
3. Establish a Project Management Office (PMO) to:
 - a. Set the tactical direction of the Project based on Steering Committee decisions;
 - b. Build the proof of concept infrastructure and technical environment;
 - c. Coordinate Project activities with data sharing partners;
 - d. Facilitate completion of required and agreed-upon Project activities; and
 - e. Complete key Project documentation for technical systems, such as those required by the California Department of Technology:
 - 1) Project Approval Life-cycle, Stage 1 Business Analysis
 - 2) Project Approval Life-cycle, Stage 2 Alternatives Analysis
 - 3) Project Management Plan and associated sub-plans.
4. Complete other Project-related tasks and activities as required.
5. Protect the information provided by CDSS as CDSS Confidential, Sensitive or Personal (CSP) and comply with the security and confidentiality provisions in Exhibit E – Attachment 1, The California Department of Social Services, Confidentiality and Information Security Requirements – State Agency/Entity, attached hereto and made part of the Agreement for the protection of that information.
6. Limit its request for information from CDSS to the following state fiscal years: 13-14, 14-15, 15-16, and 16-17.
7. Provide CDSS access to the aggregated, de-identified data to be used in CWDB.

8. Provide CDSS access to any reports CWDB generates from the aggregate, de-identified output data.
9. Respond within seven (7) business days to CDSS written requests for information regarding this agreement and the development of the CAAL-Skills Data Exchange.

B. The CDSS agrees to:

1. Adhere to the CAAL-Skills Data Exchange Specification Requirements, version DSS, attached hereto, by January 28, 2018 or when this agreement is signed including:
 - a. Generate test data files in accordance with Exhibit A – Attachment 2 CAAL-Skills Data Exchange Specification Requirements, version DSS, attached hereto, by January 28, 2018 or when this agreement is signed.
 - b. Transfer test data files beginning no later than two (2) weeks after the effective date of this agreement.
 - c. Implement modifications to the test data files if requested by the CWDB.
 - d. Generate and transfer the final test data files for use in the CAAL-Skills data repository.
 - e. Review the CWDB's aggregated, de-identified output data and reports that use the data to ensure that they do not contain any confidential information of CDSS clients.
 - f. Identify to CWDB any factual errors or substantive concerns pertaining to the output data or reports.
2. **Establish a Memorandum of Understanding (MOU) with the California Automated Consortium Eligibility System (CalACES), the consortia system representing Monterey, Napa, and Stanislaus counties, which allows for the transfer of test file data which meets the CAAL-Skills Data Exchange Specifications Requirements, version CWDA (County Welfare Directors Association), attached hereto. Upon establishment of this MOU and receipt of subsequent data, CDSS will:**
 - a. **Generate test data files in accordance with Exhibit A – Attachment 3 CAAL-Skills Data Exchange Specification Requirements, version CWDA, attached hereto, from Monterey, Napa, and Stanislaus Counties.**
 - b. **Transfer test data files beginning no later than six (6) weeks after the effective date of the above mentioned MOU between CDSS and CalACES.**
 - c. **Work cooperatively with CalACES, if needed, in providing clarification or modification of the CalWORKs and CalFresh confidential client data**

transferred to the CDSS, if clarification or modification is requested by CWDB.

- d. **Generate and transfer final test data files for use in the CAAL-Skills Data repository.**
- e. **Review the CWDB's aggregated, de-identified output data and reports that use the data to ensure that they do not contain any confidential information of CDSS clients.**
- f. **Identify to CWDB any factual errors or substantive concerns pertaining to the output data or reports.**

C. Joint CWDB and CDSS Responsibilities:

1. Each Party shall continuously and cooperatively interact and engage in joint decision making with the other Party for the successful completion of Project activities.
2. Each Party shall consult with the other Party in addressing issues related to the Project.
3. To ensure clear communication for the duration of the Project, each Party shall memorialize (for example, through email) the agreed upon obligations it owns, including details related to manner of fulfillment, expectations for end product, and completion deadlines.

III. TERMINATION CLAUSE

This Agreement may be terminated by either party by giving written notice thirty (30) days prior to the effective date of such termination to the other party's Contract Representative identified in Exhibit A, Section II, paragraphs A (Patrick Getz) or B (Sadie Webb).

CAAL-Skills

Data Exchange Specification Requirements

Pilot Project Documentation





Change Log

Version	Date	Author	Change
1.00	8/21/17	E. Holm P. Banas	CWDA Version
1.10	9/26/17	E. Holm P. Banas	Updated based on review with CWDA teams: <ul style="list-style-type: none"> Revised DED #002 Enrollment Organization Name to reference the County Name Revised DED #003 Enrollment Organization ID to reference the County Code Revised DED #015 Participant Unique Individual Identifier to reference the CIN or Client Identification Number Revised DED #017 Participant Ethnicity/Race to Participant Ethnicity VCHAR(100) changed definition and field name Added DED #017-1 Participant Race Revised DED #020 to "Homeless Individual" (removing "Runaway Youth designation) Removed DED #024 Participant English Language Learner Revised DED #027 Temporary / Permanent Disability to include County Code crosswalk Revised DED #029 Single Parent to include expanded description Removed DED #030 Long Term Unemployed Revised DED 035, 036, 064 to include CalFRESH and CalWORKs activities and services
1.20	4/17/18	P. Getz	Added FY 17/18 to the Timeframe Section.



Table of Contents

1. Overview.....	7
1.1. Project.....	7
1.2. Objectives.....	8
1.3. Metrics.....	9
1.3.1. Aggregation and Reporting Environment.....	9
1.3.2. Cross System Tracking.....	9
1.3.3. Program History.....	9
1.3.4. Employer Needs and Economic Trends.....	9
1.3.5. Commonality, Consistency, Compliance.....	9
1.3.6. Summary.....	10
1.4. Scope.....	10
1.4.1. Partners.....	10
1.4.2. Timeframe.....	10
1.4.3. Core Entities and Attributes.....	11
2. Data Diagrams.....	13
2.1. Conceptual Data Model.....	13
3. Data Elements.....	14
3.1. Data Types.....	14
3.1.1. Maximum Lengths.....	14
3.1.2. Null Values.....	15
3.1.3. Currency.....	15
3.1.4. Case.....	15
3.1.5. Date Format.....	15
3.1.6. Binary Values.....	15
3.1.7. Unknown/Not Applicable/Other Values.....	15
3.1.8. Field Formatting.....	15
3.1.9. Reference Codes.....	16
3.2. Identifiers and Definitions.....	16
3.3. Data Element Name.....	16
3.4. Date Range.....	16



3.5.	Data Relationships.....	16
3.5.1.	Primary and Foreign Keys.....	16
3.5.1.1.	Participant Example.....	17
3.6.	Participant Individual Record Layout (PIRL)	17
4.	Data Extraction	18
4.1.	File Format.....	18
4.2.	File Specification.....	18
4.2.1.	Character Encoding.....	18
4.2.2.	Character Case.....	18
4.2.3.	Implementation of Delimited Separated Values.....	19
4.2.4.	File Encryption	20
4.2.5.	File Organization.....	20
4.2.6.	File Sizing	21
4.2.7.	File Naming and Sequencing	21
4.2.8.	Folder Structure.....	23
4.3.	Data Transfer	24
4.3.1.	Introduction.....	24
4.3.2.	Device	24
4.3.3.	Advanced Encryption Standard (AES).....	25
4.3.4.	Federal Information Processing Standards Certification.....	26
4.3.5.	Hardware Encryption.....	26
4.3.6.	Device Format.....	27
4.3.7.	Device Identification.....	29
4.3.8.	Device Loading.....	29
4.3.9.	Device Chain of Custody.....	29
5.	Other Project Agreements.....	32
5.1.	Data Sharing Agreements.....	32
6.	Partner Response	33
6.1.	High Level Tasks and Key Dates.....	33
6.2.	High Level Tasks and Costs	33
6.3.	Response Timeframe	33
7.	Contact Information	34
7.1.	CAAL-Skills Project – Chief Technical Architect	34



7.2. Primary Technical Contact 34

7.3. Alternate Technical Contact 34

8. Data Element Dictionary.....35

8.1. Introduction..... 35

Partner Identification36

 Partner ID 36

Enrolling Organization37

 Enrollment Organization Name..... 37

 Enrollment Organization ID 38

Funding Source39

 Fund Source 39

Participant Identification40

 Social Security Number 40

 Participant First Name..... 41

 Participant Middle Name 42

 Participant Last Name 43

 Participant City 44

 Participant Postal Code 45

 Participant State Code 46

 Participant Date of Birth..... 47

 Participant Sex / Gender..... 48

 Participant Unique Individual Identifier 49

Participant Demographics50

 Participant Ethnicity / Race 50

 Participant Veteran Status..... 52

 Homeless Individual / Runaway Youth..... 53

 Participant Foster Care Youth 54

 Participant English Language Learner **Error! Bookmark not defined.**

 Temporary / Permanent Disability 55

 Migrant / Seasonal Farmworker..... 56

 Participant Single Parent 57

 Long-Term Unemployed..... **Error! Bookmark not defined.**

Workforce Training and Related Education58



Type of Career Service.....	58
Employment and Training Service Related to Supplemental Nutritional Assistance Program (SNAP E&T) or Welfare to Work.....	60
Type of Training Service	61
Supportive Services	63
Type of Supportive Service or Activity.....	63
First Date of Service or Activity	65
Last Date of Service or Activity.....	66



1. Overview

1.1. Project

Federal and state law required the development of a "State Plan" to address workforce development, training and related challenges. Under the direction of the California Labor and Workforce Development Agency (LWDA) the plan was developed by the California Workforce Development Board (CWDB).

Implementation of the State Plan includes the development of a comprehensive, integrated, interoperable data system that measures and assesses program outcomes in a systematic and efficient manner. The data system's primary objective will be helping the CWDB and State Plan Partners meet statutorily mandated performance reporting requirements while also developing the State's capacity to evaluate and assess program success.

This will enable the CWDB and its partners to develop policies which facilitate the movement of people into jobs "providing economic security or job placement in an entry-level job that has a well-articulated career pathway or career ladder to a job providing economic security." [1] State law defines these jobs as those that provide, "a wage sufficient to support a family adequately, and, over time, to save for emergency expenses and adequate retirement income, based on factors such as household size, the cost of living in the worker's community, and other factors that may vary by region."

Workforce development, training, and related education programs provide job-specific training, basic skills education, and related support services to help individuals participate in civic life and the labor market. California spends over \$6 Billion annually on workforce development, training, and related education programs. Over three million people access one or more of California's workforce development, training, and related education programs annually.

These programs and the data relevant to them are administered by the following organizations:

1. Labor & Workforce Agency
 - a. Employment Development Department – Workforce Services Division
 - b. Employment Development Department – Labor Market Information Division
 - c. Employment Development Department – Tax Branch
 - d. Employment Training Panel
 - e. Department of Industrial Relations, Division of Apprenticeship Standards
 - f. Workforce Development Board
2. Public School System - Department of Education, Career and College Transition Division (includes Career Technical Education and Adult Education)
3. Community College Chancellor's Office - Technology, Research and Information Systems (TRIS) Division
4. Health & Human Services Agency
 - a. Department of Social Services – CalFresh
 - b. Department of Social Services - CalWORKs
 - c. Department of Rehabilitation
5. County Welfare Directors Association of California

Workforce development, training, and related education providers are required to report information about their program, program participants, and the participant outcomes. Currently, the outcome



measurements and data reported varies from program to program though efforts are underway to align program performance measures. Historically, data collection has been used almost exclusively for oversight and compliance monitoring, yet program and outcome information is essential for effective decision-making. For example:

- State leadership, including the Governor and Legislature, require workforce training and education information that will enable them to develop evidence-based statutes and regulations to facilitate the effective allocation of scarce resources.
- Policy Makers require information regarding significant barriers to employment, such as a significant disability, that may require intensive job preparation.
- Workforce development, training, and related education administrators require information enabling them to evaluate program effectiveness, shape policies, and develop linkages among institutions.
- Teachers and guidance counselors require information to develop curricula, assess and guide students, and create learning plans.
- Workforce professionals require information to identify the remedial needs of students, provide market-informed career counseling, and help clients find jobs.
- Students, parents, and job seekers require information to make informed education, training, and career decisions.

The purpose of the CAAL-Skills project is to develop a comprehensive, integrated, interoperable data system that measures and assesses program outcomes in a systematic and efficient manner. The data system's overarching purpose will be helping the CWDB (and its State Plan partners) meet statutorily mandated performance reporting requirements and align with Workforce Innovation and Opportunity Act (WIOA) of 2014 and AB 1336 requirements. WIOA is a publicly-funded workforce system that is a national network of organizations which provide a range of employment, education, training, and related services and supports - to help jobseekers secure good jobs while providing businesses with the skilled workers they need to compete in the global economy.

The CAAL-Skills project objectives include providing automated functionality that will improve the State's capacity to evaluate and assess Workforce Development programs' success. This will enable the CWDB and its partners to develop policies which facilitate the movement of people into jobs providing economic security or job placement in jobs with a well-articulated career pathway or career ladder to a job providing economic security.

1.2. Objectives

The information required to facilitate effective decision-making as specified in the project overview must:

- Include complete program and participant information;



- Facilitate the tracking of individuals across institutions, through programs and into the labor market;
- Consistently evaluate program measurements and other information and variables across time and between programs;
- Be updated on a regular basis;
- Allow for the analysis of individual and aggregated information;
- Be accessible to State leadership; state and local workforce planning, education administrators and others; and,
- Be secure - the solution, including any data sharing, will comply with applicable state and federal privacy and data security requirements and best practices.

1.3. Metrics

A repository of Cross-System Analytics and Assessment for Learning Skills attainment (CAAL-Skills) will be created in a pilot environment to meet the above objectives. The primary metrics of the pilot will be the following:

1.3.1. Aggregation and Reporting Environment

The target reporting environment includes the collection, consolidation and reporting of workforce development, training and related education information from key workforce data partners.

1.3.2. Cross System Tracking

A method will be developed to link individuals across programs even when one or more of the source systems does not include an individual's social security number.

1.3.3. Program History

The targeted environment includes consolidated reporting of an individual's workforce development, training and related education program involvement history..

1.3.4. Employer Needs and Economic Trends

The target environment includes reporting on regional employer needs in comparison to current and planned workforce development, training and related education offerings.

1.3.5. Commonality, Consistency, Compliance

The target system will:

- a. Apply common measures and consistent data-element definitions across programs;
- b. Apply a unique participant identifier that can be used to link an individual appearing in two or more systems;
- c. Invoke a consistent understanding and approach for protecting the personally identifiable information (PII) of program participants;
- d. Simplify the exchange of data; and,
- e. Comply with federal laws, state laws, state regulations and best industry practices for information security and privacy.



1.3.6. Summary

The CAAL-Skills Pilot project will create a central repository to host data collected by the project Data Sharing Partners. The data will be utilized to generate information and metrics required by California Unemployment Insurance Code Section 14013, as well as provide a mineable warehouse for further analytics.

1.4. Scope

The scope of the CAAL-Skills Pilot Project includes receiving data from state and local workforce partners as defined in Data Sharing Agreements.

1.4.1. Partners

This project involves the agencies from across the Workforce services spectrum including education, training, and supportive services. The breadth of participation ensures the data necessary to meet the project requirements and provide a rich data repository. The Data Sharing Partners for the pilot portion of the CAAL-Skills project include:

- California Community Colleges Chancellor's Office (CCCCO)
- California Department of Education (CDE)
- California Department of Social Services (CDSS)
- California Department of Industrial Relations (DIR)
- California Department of Rehabilitation (DOR)
- California Employment Development Department – Central Office Workforce Services Division (EDD-COWSD)
- California Employment Development Department – Labor Market Information Division (EDD-LMID)
- California Employment Development Department – Tax Branch (EDD-TAX)
- Employment Training Panel (ETP)

1.4.2. Timeframe

The fiscal years 2013 – 2014 through 2017 – 2018 will be used in the baseline. For clarity, the fiscal years include the following data ranges:

Fiscal Year 2013-2014 (FY13-14) = July 1, 2013 through June 30, 2014

Fiscal Year 2014-2015 (FY14-15) = July 1, 2014 through June 30, 2015

Fiscal Year 2015-2016 (FY15-16) = July 1, 2015 through June 30, 2016

Fiscal Year 2016-2017 (FY16-17) = July 1, 2016 through June 30, 2017

Fiscal Year 2017-2018 (FY17-18) = July 1, 2017 through June 30, 2018



If data elements are not available within that timeframe, the partner will be asked to submit the available elements. A method will be developed to link individuals across programs even when one or more of the source systems does not include an individual's social security number.

1.4.3. Core Entities and Attributes

The core entities and attributes present an overview of the data to be gathered and modeled. The higher level in this hierarchy are the core entities – groupings of attributes and/or distinctly separate objects. The lower level in this hierarchy are the attributes – or characteristics of the core entities. *Note: These are concepts not concrete definitions. Some core entities and attributes may not apply to specific Data Sharing Partners.*

- Fund Source – Funds used to pay for participant services (e.g. WIOA Title 1 Adult)
- Partner – Data Sharing Partner and/or Administrative Agency (e.g. EDD-COWSD)
- Enrollment Organization – Organization who determines participant eligibility and/or enrolls in service. May be the same as the Partner. (e.g. Local Workforce Board)
- Provider – Organization who offers services to participant. May be the same as the Enrollment Organization or may be contracted by Enrollment Organization. (e.g. Onestop)
- Participant
 - Identification
 - Demographic
 - Employment Barriers
- Services
 - Education and Training Services – Occupational or general education (e.g. Adult Basic Education, Career Technical Education)
 - Career Services – Employment related services (e.g. Resume writing workshop, career counseling)
 - Supportive Services – Services to support participation in Education, Training, and Career Services (e.g. CalFresh or CalWORKS benefits)
- Service Outcomes
 - Certificate/Skill/Degree Attained
 - Start Date
 - Completion/Withdraw Date



- Employment Outcomes
 - Employment Attained
 - Wages (Participant income from Tax branch records)
 - 2nd Quarter
 - 4th Quarter

Further details regarding the exact data elements included as attributes and their relationships will be provided in the specification section of this document.

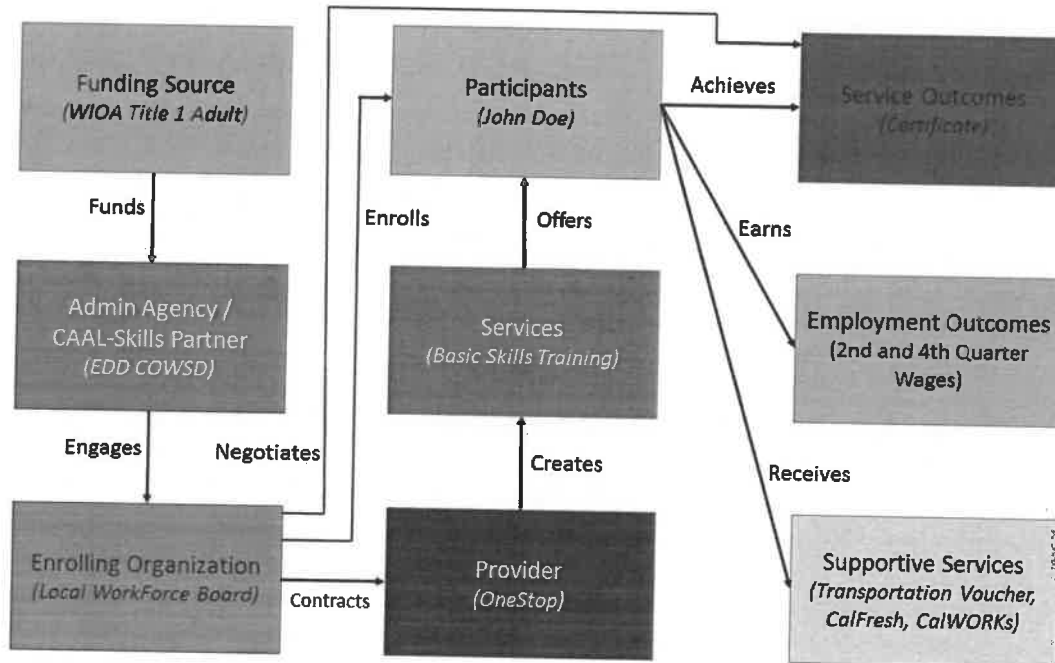


2. Data Diagrams

2.1. Conceptual Data Model

A conceptual data model is a map of concepts and their relationships used for databases. This describes the semantics of an organization and represents a series of assertions about its nature. Specifically, it describes the things of significance to an organization (entity classes), about which it is inclined to collect information, and characteristics of (attributes) and associations between pairs of those things of significance (relationships).

Because a conceptual schema represents the semantics of an organization, and not a database design, it exists on various levels of abstraction. The conceptual data model for the CAAL-Skills project is below. It is offered to assist in an overall understanding of the types of data to be collected and their relationships.



Each of the above entities (blocks) in the conceptual model may be represented in the data extracted from the CAAL-Skills partner's source systems and transferred to the CAAL-Skills Pilot project team for integration into the central workforce and outcomes repository. Not all partners will offer all entities or data elements, just those related to their services and/or benefits.



3. Data Elements

3.1. Data Types

A data type or simply "type" is a classification of data which tells the database, application, compiler, interpreter, or alternative data store how the programmer or administrator intends to use the data. Modern programming languages and data stores support various types of data (i.e. real, integer, or Boolean). A data type provides a set of values from which an expression (i.e. variable, function) may take its values. The type defines the operations that can be done on the data, the meaning of the data, and the way values of that type can be stored.

The CAAL-Skills Pilot Project will utilize a limited subset of available data types to reduce complexity and simplify the formatting process for moving data from the source system to the secure data transfer device. Below are the four basic data types and their formats:

- Variable Character (VCHAR) – For storing variable length alpha-numeric data. (e.g. Last Name)
- Integer (INT) – For storing numeric values not requiring fixed precision or scale. (e.g. Postal Code)
- Numeric (NUM) – For storing numeric values requiring fixed precision and scale. (e.g. \$1,432.10)
Note: Precision is the number of digits in a number. Scale is the number of digits to the right of the decimal point in a number. For example, the number 123.45 has a precision of 5 and a scale of 2.
- Date (DATE) – For storing month, day, and year. (e.g. January 18, 2015)

3.1.1. Maximum Lengths

The maximum length of a given data element will be specified within the data element dictionary section for VARCHAR, INT, NUM data types. All elements will be considered variable length and will not require left or right padding utilizing spaces, special characters, or zero-filled positions. Data which exceed the maximum length should be truncated to meet the requirements of that particular data element. An example of each data type is listed below:

- Variable Character (VCHAR)
 - Data Element: Last Name
 - Maximum Length: 40 characters
 - Format: VCHAR (40)
 - Examples: SMITH, JOHNSON-KEENER
- Integer (INT)
 - Data Element: Postal Code
 - Maximum Length: 9 positions
 - Format: INT
 - Examples: 94518, 10027, 85602-1023



- Numeric (NUM)
 - Data Element: 2nd Quarter Earnings
 - Maximum Length: 9 precision, 2 scale
 - Format: NUM (9,2)
 - Examples: \$1437.99 , \$7,210.33

3.1.2. Null Values

Data elements included in the specification for which values do not exist in the source system or cannot be translated using the data element cross reference should be left blank as noted in the CSV file format of: "DataElement1" || "DataElement3". Do not include spaces, double quotes without enclosed values, zeroes, or other special characters. The presence of the field separators without data will be sufficient for the target system in CAAL-Skills to determine the lack of a value for a given data element.

3.1.3. Currency

Currency values should be treated as numeric (NUM) with precision and scale. Do not include currency symbols in the field.

3.1.4. Case

All alphabetic characters should be rendered in the upper or majuscule case. Do not provide lower or mixed case in VCHAR elements.

3.1.5. Date Format

The DATE data type should include only month, day, and year. It should not include timestamps. The format for DATE data types is: MMDDYYYY. The only exception to zero filling/padding of fields occurs in this format. Single digit months (January – September) should be left zero padded as should single digit days (1-9).

3.1.6. Binary Values

The data specification requirement defines binary values such as Veteran Status (Vet/Not a Vet). A value of 1 will be used to signify a positive response and a value of 0 will be used to signify a negative response. To provide the most flexibility for future program data, these data elements will utilize an INT data type.

3.1.7. Unknown/Not Applicable/Other Values

For "Unknown" values will utilize "99" to clearly note that response. For "Not Applicable" values will utilize "98". "Other" values, that is values outside of the list provided, will utilize "97". Note: These values are appropriate for INT and VCHAR data types.

3.1.8. Field Formatting

Formatting of special use numeric and dates is not to be performed. Social Security Numbers should just utilize the integers not the typical format: XXX-XX-XXXX. Phone numbers should not include spaces, parentheses, and dashes: (XXX) XXX-XXXX. Dates should not include positional



separators: MM-DD-YYYY. Unless specified in the Data Extraction Requirements all fields should contain the numeric or alpha characters only.

3.1.9. Reference Codes

Due to the multiple source data systems for the CAAL-Skills repository, we will request reference or translation codes for some data elements to standardize responses and quickly assimilate source data into the repository. Those reference codes will be noted in each element. In some cases, multiple source data elements will map to a single CAAL-Skills reference code.

CAAL Skills values (as noted in the data dictionary) will be assigned to each data element. These values are recommended be used and collected for the CAAL Skills data repository. By establishing universal values, and cleansing the data to record those values, the data can be linked amongst the programs.

The values recommended identify the available options for the data element, including if the data element is not applicable or unknown to the Partner. The recommended values take into account the current values used by the Partners and provides for the least amount of data cleansing.

3.2. Identifiers and Definitions

Each data element in the data dictionary section will include a CAAL-Skills data element unique identifier, descriptive name, and full description of the element. These are provided for discussion and reference purposes only. This information should not be included in the data provided to the CAAL-Skills Pilot Project Team.

3.3. Data Element Name

Each data element in the data dictionary section will include a unique, concatenated CAAL-Skills data element name which is to be used in the header row of each file to identify the data associated with that element. As noted in the section above describing the CSV file format, the header row should contain a list of all data elements included in the file, in the order of appearance on the row line, and separated by a pipe (|) character.

3.4. Date Range

The scope of the data requested from the Data Sharing Partners will be specific for each partner and each data element. Please refer to the matrix at the beginning of the Data Element Dictionary. If the data is unavailable for a portion of the requested time frames, please provide only the available time frames in the data files sent to the CAAL-Skills project team. Inserting blank rows for incomplete or missing calendars years is not required.

3.5. Data Relationships

3.5.1. Primary and Foreign Keys

In order to capture and maintain the relationship between core entities, the Data Sharing Partners will be asked to include their internal identifier for data elements (noted as Primary or Foreign keys) to generate unique and consistent identifiers for those elements. The identifiers may be numeric or alphanumeric. We will also request the original identifier for some data elements, but those will be considered distinctly separate data elements.

3.5.1.1. Participant Example

The example below assumes a participant, John Doe, with a unique source system identifier of K109-0563 was enrolled in Career Technical Education at Sacramento City College in the September 1, 2015. Further, the participant completed this education by the end of December 30, 2015.

Elements and Values

Participant: John Doe, ID #K109-0563 (Unique Participant ID* from source system)

Service: Career Technical Education - 9/1/15 (Training Program Code # 123456)

Location: Sacramento Community College (Location # 489)

Service Outcome: Certificate Attained - 12/30/15

In the above example, the Data Sharing Partner could use the Source System ID within all three entities to identify John Doe.

Participant Entity: John Doe, K109-0563, 3835 Freeport Blvd, Sacramento, CA

Services Entity: K109-0563, RW013, 489, 9/01/2015

Services Outcome Entity: K109-0563, RW013, 489, 12/31/2015

**The unique Participant ID may be the original source system identifier or a unique identifier created during the extraction process and maintained throughout the course of the data file creation.*

3.6. Participant Individual Record Layout (PIRL)

Within the Data Element dictionary there is a comparison of the CAAL Skills data element and the related Department of Labor's (DOL) data element, as identified in Version 25 of the Participant Record Layout (PIRL). This comparison includes:

- A. The related DOL PIRL data element:
 - i. Number
 - ii. Name
 - iii. Type and Field Length
 - iv. Definition / Instructions; and
 - v. Code Values; and
- B. The Comparative Analysis.



4. Data Extraction

4.1. File Format

The pilot project will leverage the lowest-common-denominator in file formats to receive data from the Partners. Formats that use delimiter-separated values (DSV) store two-dimensional arrays of data by separating the values in each row with specific delimiter characters. Most database and data store programs are able to read or save data in a delimited format. Due to their wide support, DSV files can be used in data exchange among many applications and systems.

A delimited text file is a text file used to store data, in which each line represents a single row or record, and each line has fields separated by the delimiter. Compared to the type of flat file that uses spaces to force every field to the same width, a delimited file has the advantage of allowing field values of any length.

Any character may be used to separate the values, but the most common delimiters are the comma, tab, and colon. The vertical bar (also referred to as pipe) and space may also be used. In a comma-separated values (CSV) file the data items are separated using commas as a delimiter, while in a tab-separated values (TSV) file, the data items are separated using tabs as a delimiter. Column headers are sometimes included as the first line, and each subsequent line is a row of data. The lines are separated by newlines or carriage returns (CR/LF)

This project will reference the Internet Engineering Task Force (IETF) standard identified by the Request for Comment document RFC 4180. A Request for Comments (RFC) is a formal document from the IETF that is the result of committee drafting and subsequent review by interested parties. Some RFCs are informational in nature. Of those that are intended to become Internet standards, the final version of the RFC becomes the standard and no further comments or changes are permitted. Change can occur, however, through subsequent RFCs that supersede or elaborate on all or parts of previous RFCs. The full specification is documented here: <https://tools.ietf.org/html/rfc4180>

This project will deviate slightly from the standards published in RFC 4180 by replacing the comma used as a field separator with a pipe (|) character. This modification will accommodate commas within the fields. The full specification for the file is listed in the next section.

4.2. File Specification

4.2.1. Character Encoding

The character encoding scheme for the files to be exchanged will be UTF-8. It is a character encoding scheme capable of encoding all possible Unicode code points. The encoding is defined by the Unicode standard with the full standard listed here:

<http://www.unicode.org/versions/Unicode6.0.0>

The encoding is variable-length and uses 8-bit code units. It was designed for backward compatibility with ASCII and to avoid the complications of endianness and byte order marks in the alternative UTF-16 and UTF-32 encodings.

4.2.2. Character Case

All alphabetic characters are to be generated in upper case also referred to as majuscule. Mixed case and lower case within the source data should be converted to upper case for the extract files.



4.2.3. Implementation of Delimited Separated Values

The specifications for implementing delimited separated values are as follows:

1. Each field (data element) is to be separated by a pipe (|) character. Unicode UTF-8 standards refer to this character as the "vertical line". It is officially the 0x7C hex character also represented as U+007c. For example:

```
aaa | bbb | ccc
```

Note: Spaces between the data values and the delimiter are not necessary and should not be included – the spaces in the example above are for clarity's sake only.

2. Each record is located on a separate line, delimited by a line break (CRLF). For example:

```
aaa | bbb | ccc CRLF
zzz | yyy | xxx CRLF
```

3. The last record in the file should not have an ending line break. For example:

```
aaa | bbb | ccc CRLF
zzz | yyy | xxx
```

4. There should be a header line appearing as the first line of the file with the same format as normal record lines. This header will contain names corresponding to the fields in the data specification (column titled "CAAL-Skills Field") and should contain the same number of fields as the records in the rest of the file. For example:

```
field_name1 | field_name2 | field_name3 CRLF
aaa | bbb | ccc CRLF
zzz | yyy | xxx CRLF
```

5. Within the header and each record, there may be one or more fields, separated by commas. Each line should contain the same number of fields throughout the file. Spaces are considered part of a field and should not be ignored. The last field in the record must not be followed by a comma. For example:

```
aaa | bbb | ccc
```

6. Each field should not be enclosed in double quotes unless the field contains the delimiter as valid data within that field. If fields are not enclosed with double quotes, then double quotes may not appear inside the fields. For example:

```
"aaa|" | "|bbb" | "c|cc" CRLF
zzz | yyy | xxx
```

7. Fields containing line breaks (CRLF), double quotes, and pipes should be enclosed in double-quotes. For example:

```
"aa""a" | "b CRLF bb" | "c|cc" CRLF  
Zzz | yy | xxx
```

8. If double-quotes are used to enclose fields, then a double-quote appearing inside a field must be escaped by preceding it with another double quote. For example:

```
aaa | "b""bb" | ccc
```

9. The Augmented Backus-Naur Form (ABNF) grammar appears as follows:

- file = [header CRLF] record *(CRLF record) [CRLF]
- header = name *(PIPE name)
- record = field *(PIPE field)
- name = field
- field = (escaped / non-escaped)
- escaped = DQUOTE *(TEXTDATA / PIPE / CR / LF / 2DQUOTE) DQUOTE
- non-escaped = *TEXTDATA
- PIPE = 0x7C
- CR = %x0D

10. Security considerations: DSV files contain passive text data that should not pose any risks. However, it is possible in theory that malicious binary data may be included in order to exploit potential buffer overruns in the program processing DSV data. All DSV files received by the pilot program will undergo CRC, virus, malware, and malicious code detection and quarantine (if necessary) prior to extracting.

4.2.4. File Encryption

The devices utilized to copy and/or extract the source data files at the partner facilities, host those files in transit, and load the file contents into the CAAL-Skills pilot project central repository will be encrypted with full-disk AES 256-bit hardware-based encryption. More details on the devices will be offered in a following section. Due to the use of hardware-based encryption the data files will not require additional encryption.

4.2.5. File Organization

Each entity identified in the Conceptual Data Model will be represented by one or more files. The contents of each file will be the elements (fields) listed in the Data Element section. The entities are as follows:

1. Funding Source
2. Administrative Agency / Partner
3. Enrolling Organization
4. Provider



5. Services
6. Participants
7. Supportive Services
8. Services Outcomes
9. Employment Outcomes

Data Sharing Partners will generate only the files applicable to their organizations. The actual elements for each file will be determined by the "File" classification field for each data element. For example:

Data Element: Participant First Name
File: Participants

Data Element: Provider Postal Code
File: Providers

4.2.6. File Sizing

The encrypted data transfer devices will have a 64 GB capacity which will be sufficient to host and transport the requested information. Maximum file sizes are indicated as a matter of ease of handling and importation by the CAAL-Skills pilot project data integration system. Data Sharing Partners are encouraged to utilize file sizes which accommodate their source systems and data extraction processes – that is to say, if smaller files are more easily generated and managed then the Data Sharing Partners may further reduce these recommended sizes as needed. Minimum file sizes are listed below to ensure files are concatenated to improve efficiency in the data sharing processes.

ID	Entity / File Classification	Maximum Size	Minimum Size
1	Funding Source	250MB	1KB
2	Admin Agency / Partner	250MB	1KB
3	Enrolling Organization	250MB	1KB
4	Provider	250MB	1KB
5	Services	250MB	1KB
6	Participants	250MB	1KB
7	Supportive Services	250MB	1KB
8	Services Outcomes	250MB	1KB
9	Employment Outcomes	250MB	1KB

4.2.7. File Naming and Sequencing

The file naming and sequencing conventions for the pilot project will assist in identifying the files both at the source as they are created and placed on the encrypted transfer device and when they are received by the CAAL-Skills Pilot Project Team.



File Naming will identify the following characteristics of each file transmitted. Again, not every Data Sharing Partner will generate every file type listed. Within the Naming Format the etymology reference is: "X" = alpha character (A-Z only), 'N' = numeric (integer), and MMDDYYYY = date. A number (1-10) following the alpha character or "X" in the naming format indicates a fixed length. Multi-positional numeric or integers should be left zero filled (e.g. 001, 013). All file characteristics will be separated by a single underscore (_). All file names should be in upper case or majuscule.

Position	File Characteristic	Naming Format	Default Value
1	CAAL-Skills Project	XXN	CS1
2	Date of File Creation	MMDDYYYY	N/A
2	Entity or File Classification*	XXXX	N/A
3	Sequence of Entity or File Classification (for multiple files)	NNN	001
4	CAAL-Skills Request ID	XNN	R01
5	File Extension	XXX	CSV
6	Data Sharing Partner – <i>this is not included as the data transfer device will indicate the partner</i>		
*	<i>For naming refer to the chart below</i>		

ID	Entity / File Classification Naming	File Characteristic
1	Funding Source	FUND
2	Administrative Agency / Partner	AAPA
3	Enrolling Organization	ENRO
4	Provider	PROV
5	Services (training and education)	SERV
6	Supportive Services	SUPP
7	Participants	PART
8	Service Outcomes	OUTC
9	Employment Outcomes	WAGE

Examples of file naming are listed below to assist in clarifying the requirements:

File Information: Participant Data, Created on July 10, 2017, File #1
File Name: CS1_07102017_PART_001_R01.CSV

File Information: Participant Data, Created on July 10, 2017, File #2
File Name: CS1_07102017_PART_002_R01.CSV

File Information: Benefits Data, Created on June 24, 2017, File #1

File Name: CS1_06242017_BENE_001_R01.CSV

4.2.8. Folder Structure

The data sharing device will be provided with an intact and project specific folder structure. There will be a top-level folder containing documentation or help files from the CAAL-Skills Pilot Project Team. Those folders will be created as Read-Only. The other top-level folder will be target location for the files generated by the Data Sharing Partners. This folder will be Read-Write). All files should be placed with the Partners folder without utilizing additional, supplemental, or sub-tier folders – that is, no folders should be added to the existing folder hierarchy.

CAAL-Skills Folder (read only): \CAAL-Skills

Partner Source Data Folder (read-write): \Data

4.3. Data Transfer

4.3.1. Introduction

The CAAL-Skills pilot project will facilitate data transfer from the source systems (Data Sharing Partner) to the target system (CAAL-Skills repository) utilizing project staff to physically distribute, collect, and secure the data transfer media. Future implementations of the data exchange process may involve electronic means. The data transfer media devices will be high capacity, encrypted Universal Serial Bus (USB) version 2.0 and 3.1 compatible, portable drives. The drives will include a physical encryption key which will encrypt the entire contents of the drive. The key will be unique for each data sharing partner – known only to the receiving staff and the CAAL-Skills pilot project architect and project manager. The devices will be secured on-site at the project office.

4.3.2. Device

The project will purchase and distribute to the Data Sharing Partners the Kingston DataTraveler 2000 USB drive also known as the DDT2000 for data transfer from the source system to the target system. The drive will have a capacity of 64GB. It is designed to be secure, with an alphanumeric keypad that locks the drive with a word or number combination, for easy-to-use PIN protection. Each Data Sharing Partner will have a unique PIN associated with their device. The DT2000 auto-lock feature is activated when the drive is removed from a device and it deletes the encryption key after 10 failed intrusion attempts. DT2000 features hardware-based, full disk AES 256-bit data encryption in XTS mode (see diagram below). Encryption is accomplished on the drive, not on the host computer system, and no trace of the PIN is left on the host system. DataTraveler 2000 is operating system independent and can be used on any device with a USB 2.0 or USB 3.1 Gen1 (USB 3.0) port. It's compatible with Windows®, Mac® OS, Linux, Chrome OS, and Android. The drive requires no additional software or drivers. It is FIPS 197 certified, to meet the most stringent IT security requirements for data encryption and transfer. The DT2000 enclosure is a durable design which protects the drive from everyday elements such as water and dust.



Complete specifications for the device are listed here:

- Interface: USB 3.1 Gen 1 (USB 3.0)
- Capacities: 16GB, 32GB & 64GB
- Speed: USB 3.1: 16GB: 120MB/s read, 20MB/s write 32GB: 135MB/s read, 40MB/s write 64GB: 135MB/s read, 40MB/s write



- USB 2.0: 16GB: 30MB/s read, 20MB/s write 32GB: 30MB/s read, 20MB/s write
 64GB: 30MB/s read, 20MB/s write
- Dimensions (drive with sleeve): 80mm x 20mm x 10.5mm
- Dimensions (drive without sleeve): 78mm x 18mm x 8mm
- Waterproof/Dustproof Certified: to IP57 rating
- Compatibility: USB 3.0 compliant and 2.0 compatible
- Operating Temperature: 0°C to 40°C
- Storage Temperature: -20°C to 60°C
- Minimum System Requirements: USB 3.0 compliant and 2.0 compatible
- Compatible with: Windows® 10, Windows 8.1, 8, 7 (SP1), Vista® (SP2), Mac OS X v. 10.9.x+, Linux v. 2.6.x+, Chrome OSTM, Android3

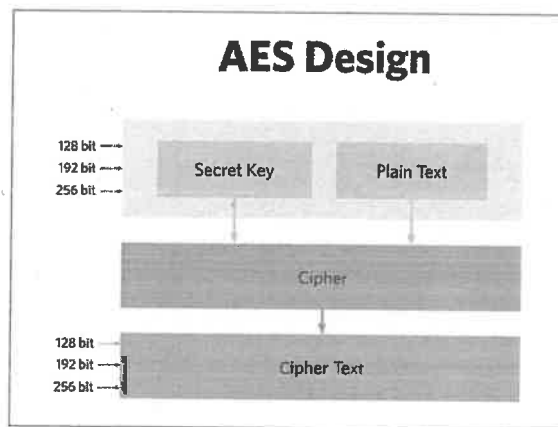
4.3.3. Advanced Encryption Standard (AES)

The Advanced Encryption Standard (AES), also known by its original name Rijndael is a specification for the encryption of electronic data established by the U.S. National Institute of Standards and Technology (NIST) in 2001.

AES has been adopted by the U.S. government and is now used worldwide. It supersedes the Data Encryption Standard (DES), which was published in 1977. The algorithm described by AES is a symmetric-key algorithm, meaning the same key is used for both encrypting and decrypting the data.

In the United States, AES was announced by the NIST as U.S. FIPS PUB 197 (FIPS 197) on November 26, 2001. This announcement followed a five-year standardization process in which fifteen competing designs were presented and evaluated, before the Rijndael cipher was selected as the most suitable. AES became effective as a federal government standard on May 26, 2002, after approval by the Secretary of Commerce. AES is included in the ISO/IEC 18033-3 standard.

The Kingston Data Traveler DT2000 features hardware-based, full disk AES 256-bit data encryption in XTS mode. Encryption is done on the drive and no trace of the PIN is left on the system.





4.3.4. Federal Information Processing Standards Certification

The Federal Information Processing Standards (FIPS) are U.S. government standards for information technology and computer security. The FIPS program is run by the National Institute of Standards (NIST). NIST FIPS 140 is the cryptography standard program required by the US federal government for protection of sensitive data. All products using cryptography in use by civilian and military US federal agencies must comply with FIPS 140. The current FIPS version is 140-2.

Obtaining FIPS 140 validation requires a rigorous testing process by an accredited testing laboratory. The results are then reviewed by the National Institute of Standards and Technology (NIST) which issues a FIPS 140 validation certificate. The certificates and policies for the DT2000 generation 1 and 2 devices are listed below:

Product Name	DT2000 Gen2	DT2000 Gen1
Firmware Version	3.05	3.05
FIPS certificate	#2307	#2371
Security Policy	#2307	#2371
FIPS AES certificate	#2838	#2838
FIPS SHS certificate	#2379	#2379
FIPS RSA certificate	#1480	#1480
FIPS DRBG certificate	#494	#494
FIPS RNG certificate		
FIPS HMAC certificate	#1779	#1779

4.3.5. Hardware Encryption

Hardware-based encryption as built into the device indicated above is notably transparent to the user. The symmetric encryption key is maintained independently from the CPU, thus removing computer memory as a potential attack vector. The drive except for boot-up authentication operates just like any drive with no degradation in performance. There is no complication or performance overhead, unlike disk encryption software, since all the encryption is invisible to the operating system and the host computers processor.

Hardware based encryption offers these benefits:

- Uses a dedicated processor physically located on the encrypted drive
- Processor contains a random number generator to generate an encryption key, which the user's password will unlock
- Increased performance by off-loading encryption from the host system



- Safeguard keys and critical security parameters within crypto-hardware
- Authentication takes place on the hardware
- Encryption is tied to a specific device, so encryption is “always on”
- Does not require any type of driver installation or software installation on host PC
- Protects against the most common attacks, such as cold boot attacks, malicious code, brute force attack

4.3.6. Device Format

The Kingston Data Traveler 2000 USB encrypted drive will be formatted in a Windows NTFS 5.0 or later file system. This system is compatible with Windows 7, 8, 10, Windows Server editions, as well as Ubuntu and Red Hat Linux 6.x. The file system will not be encrypted (encryption will be applied at the hardware level) and will not be compressed. The file system should not be altered nor the device re-formatted by the Data Sharing Partners. NTFS 5 was chosen over FAT32 and FAT16 due to the improved file handling capabilities and capacities as noted below:

Criteria	NTFS5	FAT32	FAT16
Operating System Capability	Windows 2000 Windows XP Windows 2003/5/8/12/16 Server Windows Vista Windows 7 Windows 8 Windows 10	DOS v7 and higher Windows 98 Windows ME Windows 2000 Windows XP Windows 2003 Server Windows Vista Windows 7	DOS All versions of Microsoft Windows
Max Volume Size	2 ^ 64 clusters – 1 cluster	32GB for all OS. 2TB for some OS	2GB for all OS. 4GB for some OS
Max Files on Volume	4,294,967,295 2 ^ 32 -1	4194304	65536
Max File Size	2 ^ 64 bytes (16 ExaBytes) minus 1KB	4GB minus 2 Bytes	2GB (Limit Only by Volume Size)
Max Clusters Number	2 ^ 64 clusters – 1 cluster	4177918	65520
Max File Name Length	Up to 255	Up to 255	Standard - 8.3 Extended - up to 255



Unicode File Names	Unicode Character Set	System Character Set	System Character Set
System Records Mirror	MFT Mirror File	Second Copy of FAT	Second Copy of FAT
Boot Sector Location	First and Last Sectors	First Sector and Copy in Sector #6	First Sector
File Attributes	Standard and Custom	Standard Set	Standard Set
Alternate Streams	Yes	No	No
Compression	Yes	No	No
Encryption	Yes	No	No
Object Permissions	Yes	No	No
Disk Quotas	Yes	No	No
Sparse Files	Yes	No	No
Reparse Points	Yes	No	No
Volume Mount Points	Yes	No	No
Built-In Security	Yes	No	No
Recoverability	Yes	No	No
Performance	Low on small volumes High on Large	High on small volumes Low on large	Highest on small volumes Low on large
Disk Space Economy	Max	Average	Minimal on large volumes
Fault Tolerance	Max	Minimal	Average



4.3.7. Device Identification

Each Kingston Data Traveler DT2000 will be serialized with the serial number appearing in a 24 character, 2D bar-code readable element on the case. The serial numbers will be unique and correspond to each Data Sharing Partner. Also, the drive will include a folder titled "\CAAL-Skills" containing the name of the Data Sharing Partner. The CAAL-Skills project team will maintain an inventory of the devices, serial numbers, assignments (to Data Sharing Partners) and a complete and current log of the chain of custody. Finally, the devices will be stored in a locked, fireproof safe in the CWDB facilities.

4.3.8. Device Loading

The actual steps for placing the CAAL-Skills formatted files on the device from the source system are a combination of steps and processes from the Data Sharing Partner's Information Technology (DSP-IT) transfer standards and the CAAL-Skills pilot project. In the steps below, those where the owner/responsible party are identified as "*DSP-IT proprietary*" are recommendations only and should conform to the DSP-IT data transfer standards, policies, and procedures.

1. Remove the protective cover from the Kingston Data Traveler 2000 USB encrypted drive.
2. Enter the assigned PIN (unique to each Data Sharing Partner and noted on the chain of custody form) via the keypad on the Kingston Data Traveler 2000 encrypted drive to unlock the drive and decrypt the contents
3. Insert the Kingston Data Traveler 2000 drive into a desktop or server with access to the CAAL-Skills formatted files.
4. Copy all requested files into the \Data folder on the Kingston Data Traveler 2000 drive. *DSP-IT proprietary.*
5. Using the operating system appropriate procedures eject the device from the USB port to ensure the files are written and properly closed. *DSP-IT proprietary.*
6. Upon removal, press the "Lock" button on the Kingston Data Traveler 2000 drive to encrypt the contents.
7. Insert the Kingston Data Traveler 2000 encrypted drive into the sleeve and follow the Chain of Custody process.

4.3.9. Device Chain of Custody

Chain of custody defines the processes, procedures, and forms to manage, track, and document the transfer of the CAAL-Skills pilot project requested information from the Data Sharing Partners. The chain includes: the initial transfer of the encrypted data device from CAAL-Skills to the partner, the return of the device with the requested data, and the receipt of the device and internal secured storage of the device within the CAAL-Skills project team. The standard for this project will be based on the United States Department of Commerce's National Institute of Standards and Technology (NIST) "Computer Security Handling Guide" Special Publication 801-



61 Revision 2. Specifically, this document will reference the section "Coordination and Information Sharing" and the NIST Chain of Custody Tracking Form. As shown below:

Data Transfer Device #:

CAAL-Skills Pilot Project
DATA DEVICE CHAIN OF CUSTODY TRACKING FORM

Data Sharing Partner (agency): _____
 Location of Device (address): _____
 Primary Contact Name: _____
 Primary Contact Phone: _____
 Primary Email Address: _____
 Alternate Contact Name: _____
 Alternate Contact Phone: _____
 Alternate Email Address: _____

Description of Device		
Item #	Quantity	Description of Item (Model, Serial #, External Condition)

Chain of Custody				
Item #	Date/Time	Released by Data Sharing Partner (Print and Sign)	Received by CAAL-Skills Staff (Print and Sign#)	Comments/Location

APD_Form_#PE003_v.1 [12/2013] Page 1 of 2 pages

Technical Working Group on Information Technology Evidence Preservation: *Best Practices for Data Exchange Partners*. U.S. Department of Commerce, National Institute of Standards and Technology. 2013.



DATA DEVICE CHAIN-OF-CUSTODY TRACKING FORM
 (Continued)

Chain of Custody				
Item #	Date/Time	Released by Data Sharing Partner (Print and Sign)	Received by CAAL-Skills (Print and Sign#)	Comments/Location



Final Disposal Authority
<p>Authorization for Disposal</p> <p>Item(s) #: _____ on this document pertaining to (suspect): _____ is/are no longer needed for information transfer and is/are authorized for disposal by (check appropriate disposal method)</p> <p><input type="checkbox"/> Return to Owner <input type="checkbox"/> Auction/Destroy/Divert</p> <p>Name of Authorizing Owner: _____ Signature: _____ Date: _____</p>
<p align="center">Witness to Destruction of Evidence</p> <p>Item(s) #: _____ on this document were destroyed by Evidence Custodian _____ in my presence on (date): _____</p> <p>Witness to destruction: _____ Signature: _____ Date: _____</p>
<p><small>This Evidence Chain-of-Custody form is to be retained as a permanent record by the CAAL-Skills project and California Workforce Development Board staff.</small></p>

Essentially, whenever the data device changes ownership, that change should be reflected in the above form.



5. Other Project Agreements

5.1. Data Sharing Agreements

Each Data Sharing Partner will be party to a Data Sharing Agreement which outlines the terms, scope, costs, and timing of source data extracts to be provided to the CAAL-Skills pilot project. While the details of those individual agreements are being addressed, the project will work directly with the Partner's assigned information technology staff to design and test the source data extraction processes. Once the agreements have been signed by all parties, the source data will be officially requested.



6. Partner Response

6.1. High Level Tasks and Key Dates

The following table is to be completed by the Data Sharing Partner to assist the CAAL-Skills project team in determining overall project timelines for receiving and transforming the data.

ID	Task	Duration	Start Date	End Date	Notes
1	Identify Data Extraction Resources				
2	Quantify Cost / Time for Data Extraction				
3	Engage Resources for Data Extraction				
4	Generate and Transfer Test Data Files				
5	Implement Modifications (if necessary)				
6	Generate and Transfer Final Data Files				

6.2. High Level Tasks and Costs

The following table is to be completed by the Data Sharing Partner to assist the CAAL-Skills project team in determining costs for each partner to design systems and generate the required data files for use by the CAAL-Skills team.

ID	Task	Costs	Notes
1	Identify Data Extraction Resources		
2	Quantify Cost / Time for Data Extraction		
3	Engage Resources for Data Extraction		
4	Generate and Transfer Test Data Files		
5	Implement Modifications (if necessary)		
6	Generate and Transfer Final Data Files		

6.3. Response Timeframe

The CAAL-Skills Pilot Project team is requesting a response from the Partners within two weeks of reviewing this document with the CAAL-Skills team. The response should include estimated dates and costs for key tasks as well as primary and alternate contact information (see next section). The response should be emailed to the CAAL-Skills Pilot Project Manager, Patrick Getz, patrick.getz@cwdb.ca.gov



7. Contact Information

7.1. CAAL-Skills Project – Chief Technical Architect

Paul Banas
California Workforce Development Board
800 Capitol Mall, Ste, 1022
Sacramento, CA 95814
(916) 657-1483 desk
(916) 657-1381 fax
(616) 206-0727 mobile
paul.banas@cwdb.ca.gov

7.2. Primary Technical Contact

Name: _____
Title: _____
Agency/Department: _____
Address: _____

Desk phone: _____
Cell phone: _____
Email address: _____

7.3. Alternate Technical Contact

Name: _____
Title: _____
Agency/Department: _____
Address: _____

Desk phone: _____
Cell phone: _____
Email address: _____



8. Data Element Dictionary

8.1. Introduction

Each data element will be presented on a separate page with the following attributes:

1. DED# - Project unique Data Element Dictionary number
2. Data Element Name – Descriptive name of data element
3. Format – the element’s data type, length, precision, and scale
4. Definition – the full definition of the element
5. CAAL-Skills Field Name – the field to be inserted in the header row of the data exchange file
6. CAAL-Skills Values – the expected values for the element. In some cases, there will be a translation or cross reference table listed, others will note the “actual source value” in which case the source system’s fully qualified value should be inserted. Note: fully qualified = the full descriptive name rather than the source system code. *For example: a valid value for Ethnicity/Race would be “Hispanic / Latino”, not the internal code or representation “001”.*
7. CAAL-Skills File Type – the name of the File grouping identified in section 4.2.7.
8. Collection Dates – The date range the element should be collected and provided to CAAL-Skills

DED#	Data Element Name	Format
005	Social Security Number	INT
Definition		
The social security number assigned to the participant.		
CAAL Skills Field Name		
SSN		
CAAL Skills Values		
Actual source value		
97 = Other		
98 = Not Applicable		
99 = Unknown		
File		
Participants		
Collection Dates		
7/1/13 – 6/30/17		



Partner Identification

DED#	Data Element Name	Format
000	Partner ID	INT
Definition		
The internally assigned two-digit code for each Data Sharing Partner / Administrative Agency.		
CAAL Skills Field Name		
AAID		
CAAL Skills Values		
1 - California Department of Education 2 - California Department of Rehabilitation 3 - California Department of Industrial Relations 4 - California Community Colleges Chancellor's Office 5 - California Department of Social Services 6 - Employment Training Panel 7 - California Employment Development Department – Central Office Workforce Services Division 8 - California Employment Development Department – Labor Market Information Division 9 - California Employment Development Department – Tax Branch 10 - CWDA Napa County 11 - CWDA Monterey County 12 - CWDA Stanislaus County 97 = Other 98 = Not Applicable 99 = Unknown		
File		
Administrative Agency / Partner		
Collection Dates		
7/1/13 – 6/30/17		



Enrolling Organization

DED#	Data Element Name	Format
002	Enrollment Organization Name	VCHAR(40)
Definition		
The name of the organization where the participant was determined eligible for the program and was enrolled to receive their first service financially assisted by the program.		
CAAL Skills Field Name		
EONM		
CAAL Skills Values		
For ETP, this value will be "ETP" For CCCC, this value will be the name of the community college For EDD Workforce Services Division, this value will be the name of the local workforce board For CWDA-Counties, this value will be the county name For all others, the value will be the actual source system name (enrollment organization name) 99 = Unknown		
File		
Enrolling Organization		
Collection Dates		
7/1/13 – 6/30/17		



DED#	Data Element Name	Format
003	Enrollment Organization ID	VCHAR(40)
Definition		
The identifier assigned to the organization where the participant was determined eligible for the program and was enrolled to receive their first service financially assisted by the program.		
CAAL Skills Field Name		
EOID		
CAAL Skills Values		
For CWDA-Counties; this value will be the county code (e.g. Napa = 28, Monterey = 27, Stanislaus = 50) For all others, actual source system ID 99 = Unknown		
File		
Enrolling Organization		
Collection Dates		
7/1/13 – 6/30/17		



Funding Source

DED#	Data Element Name	Format
004	Fund Source	INT
Definition		
The funding source used to pay for the services received by the participant.		
CAAL Skills Field Name		
FSRC		
CAAL Skills Values		
1 = WIOA Title I (Adult)		
2 = WIOA Title I (Dislocated Worker)		
3 = WIOA Title I (Youth)		
4 = WIOA Title II		
5 = WIOA Title III		
6 = WIOA Title IV		
7 = CalWORKs		
8 = CalFresh		
9 = TAA		
97 = Other		
98 = Not Applicable		
99 = Unknown		
File		
Services		
Collection Dates		
7/1/13 – 6/30/17		



Participant Identification

DED#	Data Element Name	Format
005	Social Security Number	INT
Definition		
The social security number assigned to the participant.		
CAAL Skills Field Name		
SSN		
CAAL Skills Values		
Actual source value		
98 = Not Applicable		
99 = Unknown		
File		
Participants		
Collection Dates		
7/1/13 – 6/30/17		



DED#	Data Element Name	Format
006	Participant First Name	VCHAR(40)
Definition		
The first name of the participant.		
CAAL Skills Field Name		
PFNM		
CAAL Skills Values		
Actual source value		
98 = Not Applicable		
99 = Unknown		
File		
Participants		
Collection Dates		
7/1/13 – 6/30/17		



DED#	Data Element Name	Format
007	Participant Middle Name	VCHAR(40)
Definition		
The middle name or initial of the participant.		
CAAL Skills Field Name		
PMNM		
CAAL Skills Values		
Actual source value 98 = Not Applicable 99 = Unknown		
File		
Participants		
Collection Dates		
7/1/13 – 6/30/17		



DED#	Data Element Name	Format
008	Participant Last Name	VCHAR(40)
Definition		
The last name of the participant.		
CAAL Skills Field Name		
PLNM		
CAAL Skills Values		
Actual source value 98 = Not Applicable 99 = Unknown		
File		
Participants		
Collection Dates		
7/1/13 – 6/30/17		



DED#	Data Element Name	Format
010	Participant City	VCHAR(50)
Definition		
The city associated to the physical, mailing, or billing address of the participant.		
CAAL Skills Field Name		
PCITY		
CAAL Skills Values		
Actual source value		
98 = Not Applicable		
99 = Unknown		
File		
Participants		
Collection Dates		
7/1/13 – 6/30/17		



DED#	Data Element Name	Format
011	Participant Postal Code	VCHAR(9)
Definition		
The postal code associated to the physical, mailing, or billing address of the participant. For US Zip Codes, include "+4" numeric digits if available. Exclude the "+" notation.		
CAAL Skills Field Name		
PPOST		
CAAL Skills Values		
Actual source value 98 = Not Applicable 99 = Unknown		
File		
Participants		
Collection Dates		
7/1/13 – 6/30/17		



DED#	Data Element Name	Format
012	Participant State Code	VCHAR(2)
Definition		
The two letter state code associated to the physical, mailing, or billing address of the participant for US addresses. See Skills Values for all other addresses.		
CAAL Skills Field Name		
PST		
CAAL Skills Values		
Actual source value CN = Canada MX = Mexico 97 = All other countries 98 = Not Applicable 99 = Unknown AE = (ZIPs 09xxx) Armed Forces Europe including Canada, Middle East, and Africa AP = (ZIPs 962xx - 966xx) for Armed Forces Pacific AA (ZIPs 340xx) for Armed Forces (Central and South) Americas		
File		
Participants		
Collection Dates		
7/1/13 – 6/30/17		



DED#	Data Element Name	Format
013	Participant Date of Birth	DATE
Definition		
The month, day, and year the participant was born.		
CAAL Skills Field Name		
DOB		
CAAL Skills Values		
Actual source value 99 = Unknown		
File		
Participants		
Collection Dates		
7/1/13 – 6/30/17		



DED#	Data Element Name	Format
014	Participant Sex / Gender	VCHAR(2)
Definition		
The sex the participant identifies as.		
CAAL Skills Field Name		
SEX		
CAAL Skills Values		
M = Male F = Female 97 = Other 99 = Unknown or not provided		
File		
Participants		
Collection Dates		
7/1/13 – 6/30/17		



DED#	Data Element Name	Format
015	Participant Unique Individual Identifier	VCHAR(20)
Definition		
The unique identifier assigned to the participant, by an organization, to distinguish the participant from other participants. This value may be the internal system identifier, a surrogate key assigned at time of data extract, or a concatenated natural key. The value must be consistent for all extracts to ensure proper identification.		
CAAL Skills Field Name		
PUID		
CAAL Skills Values		
For CWDA-Counties, this value will be the Client Identification Number or CIN For all others, actual source value 99 = Unknown		
File		
Participants		
Collection Dates		
7/1/13 – 6/30/17		



Participant Demographics

DED#	Data Element Name	Format
017	Participant Ethnicity	VCHAR(100)
Definition		
The ethnicity the participant identifies as.		
CAAL Skills Field Name		
ETHN		
CAAL Skills Values		
Actual source values, i.e. not internal system codes or numeric representations. Please use the fully qualified value. For multiple values, use comma separation.		
File		
Participants		
Collection Dates		
7/1/13 – 6/30/17		



DED#	Data Element Name	Format
017-1	Participant Race	VCHAR(100)
Definition		
The race the participant identifies as.		
CAAL Skills Field Name		
RACE		
CAAL Skills Values		
Actual source values, i.e. not internal system codes or numeric representations. Please use the fully qualified value. For multiple values, use comma separation.		
File		
Participants		
Collection Dates		
7/1/13 – 6/30/17		



DED#	Data Element Name	Format
018	Participant Veteran Status	INT
Definition		
If the participant identifies as a veteran of the armed forces.		
CAAL Skills Field Name		
VET		
CAAL Skills Values		
1 = Yes		
0 = No		
98 = Not Applicable		
99 = Unknown		
File		
Participants		
Collection Dates		
7/1/13 – 6/30/17		



DED#	Data Element Name	Format
020	Homeless Individual	INT
Definition		
If the participant identifies as a homeless individual at program entry.		
CAAL Skills Field Name		
HMLS		
CAAL Skills Values		
1 = Yes		
0 = No		
98 = Not Applicable		
99 = Unknown		
File		
Participants		
Collection Dates		
7/1/13 – 6/30/17		



DED#	Data Element Name	Format
023	Participant Foster Care Youth	INT
Definition		
If the participant identifies as a current / former foster care youth.		
CAAL Skills Field Name		
FSTRC		
CAAL Skills Values		
1 = Yes 0 = No 98 = Not Applicable 99 = Unknown		
File		
Participants		
Collection Dates		
7/1/13 – 6/30/17		



DED#	Data Element Name	Format
027	Temporary / Permanent Disability	INT
Definition		
If the participant identifies as, or was determined by authorized personnel as, having a disability.		
CAAL Skills Field Name		
DISA		
CAAL Skills Values		
1 = Yes, Disabled (For CWDA-Counties, Exemption Code 600)		
2 = Yes, Temporarily Disabled (For CWDA-Counties, Exemption Code 302)		
0 = No		
98 = Not Applicable		
99 = Unknown (For CWDA-Counties, No Exemption Code or Codes other than 600 and 302)		
File		
Participants		
Collection Dates		
7/1/13 – 6/30/17		



DED#	Data Element Name	Format
028	Migrant / Seasonal Farmworker	INT
Definition		
If the participant identifies as a migrant / seasonal farmworker or a child of a migrant / seasonal farmworker.		
CAAL Skills Field Name		
FARM		
CAAL Skills Values		
1 = Yes 0 = No 98 = Not Applicable 99 = Unknown		
File		
Participants		
Collection Dates		
7/1/13 – 6/30/17		



DED#	Data Element Name	Format
029	Participant Single Parent	INT
Definition		
If the participant identifies as a single parent. For CWDA-Counties the definition is expanded: "Single parent may include an individual who is the sole parent of an individual who is the sole provider in a family, as their spouse/partner is disabled."		
CAAL Skills Field Name		
SPAR		
CAAL Skills Values		
1 = Yes 0 = No 98 = Not Applicable 99 = Unknown		
File		
Participants		
Collection Dates		
7/1/13 – 6/30/17		



Workforce Training and Related Education

DED#	Data Element Name	Format
035	Type of Career Service	INT
Definition		
The type of career service assigned to and/or received by the participant.		
CAAL Skills Field Name		
TCS		
CAAL Skills Values		
1 - Basic Career Service (Staff Assisted) 2 - Individualized Career Service 3 - Information Only Career Service 4 - Follow up Career Service 5 - Basic Career Service (Self-Service) 6 - Vocational Rehabilitation Service 97 = Other 98 = Not Applicable 99 = Unknown		
*Actual source values collected for CCCC, CWDA County Partners, and DOR.		
** CWDA County Partner Examples:		
1) CalWORKS Activity – Appraisal 2) CalWORKS Activity – Assessment 3) CalWORKS Activity – Reappraisal 4) CalWORKS Activity – Job search & job readiness assistance 5) CalWORKS Activity - Unsubsidized employment 6) CalWORKS Activity - Self-employment 7) CalWORKS Activity - Subsidized private sector employment 8) CalWORKS Activity - Subsidized public sector employment 9) CalWORKS Activity - On-the-job training (OJT) 10) CalWORKS Activity - Grant-based on-the-job training (OJT) 11) CalWORKS Activity - Work-study 12) CalWORKS Activity - Supported work or transitional employment 13) CalWORKS Activity - Work experience 14) CalWORKS Activity - Community service 15) CalWORKS Activity - Job skills training directly related to employment 16) CalWORKS Activity - Vocational education and training 17) CalWORKS Activity - Education directly related to employment 18) CalWORKS Activity - Adult basic education 19) CalWORKS Activity - Satisfactory progress in a secondary school 20) CalWORKS Activity - Other activities 21) CalWORKS Activity - Providing childcare to community services participants 22) CalWORKS Activity - Mental health services		

- 23) CalWORKS Activity - Domestic abuse services
- 24) CalWORKS Activity - Post-employment/job retention services
- 25) CalWORKS Activity - Post CalWORKs 48-month service
- 26) CalWORKS Service – Transportation
- 27) CalWORKS Service – Ancillary
- 28) CalWORKS Service – Childcare

- 1) CalFresh Activity - Job search
- 2) CalFresh Activity - Job search training
- 3) CalFresh Activity - Workfare
- 4) CalFresh Activity - Work experience
- 5) CalFresh Activity - Education
- 6) CalFresh Activity - Self-employment training
- 7) CalFresh Activity - WIOA Activities
- 8) CalFresh Service - Transportation/ancillary
- 9) CalFresh Service - Dependent care

File

Services

Collection Dates

7/1/13 – 6/30/17



DED#	Data Element Name	Format
038	Employment and Training Service Related to Supplemental Nutritional Assistance Program (SNAP E&T) or Welfare to Work	INT
Definition		
If the participant received employment and training services from the Supplemental Nutritional Assistance Program (SNAP) or the Welfare to Work Program.		
CAAL Skills Field Name		
ETSR		
CAAL Skills Values		
1 = Yes, SNAP E&T 2 = Yes, Welfare to Work 3 = No Leave Blank = Unknown		
Note: if a participant is eligible to receive services under both programs then the Data Element Format will be VCHAR(5) with a comma separated list of values.		
File		
Services		
Collection Dates		
7/1/13 – 6/30/17		



DED#	Data Element Name	Format
036	Type of Training Service	INT
Definition		
The type of training service assigned to and/or received by the participant.		
CAAL Skills Field Name		
TTS		
CAAL Skills Values *		
0 = No Training Service 1 = On the Job Training 2 = Skill Upgrading 3 = Entrepreneurial Training 4 = ABE or ESL in conjunction with Training (non-TAA funded) 5 = Customized Training 6 = Other Occupational Skills Training 7 = Remedial Training (ABE/ESL – TAA only) 8 = Prerequisite Training 9 = Apprenticeship Training 10 = Other Basic Skills Training (WIA Youth) 11 = Occupational Skills Training (Youth) 12 = Other Non-Occupational-Skills Training 13 - Unspecified Training 97 = Other 98 = Not Applicable 99 = Unknown		
*Actual source value for DOR and CWDA County Partners		
** CWDA County Partner Examples:		
1) CalWORKS Activity – Appraisal 2) CalWORKS Activity – Assessment 3) CalWORKS Activity – Reappraisal 4) CalWORKS Activity – Job search & job readiness assistance 5) CalWORKS Activity - Unsubsidized employment 6) CalWORKS Activity - Self-employment 7) CalWORKS Activity - Subsidized private sector employment 8) CalWORKS Activity - Subsidized public sector employment 9) CalWORKS Activity - On-the-job training (OJT) 10) CalWORKS Activity - Grant-based on-the-job training (OJT) 11) CalWORKS Activity - Work-study 12) CalWORKS Activity - Supported work or transitional employment 13) CalWORKS Activity - Work experience 14) CalWORKS Activity - Community service 15) CalWORKS Activity - Job skills training directly related to employment 16) CalWORKS Activity - Vocational education and training		



- 17) CalWORKS Activity - Education directly related to employment
 - 18) CalWORKS Activity - Adult basic education
 - 19) CalWORKS Activity - Satisfactory progress in a secondary school
 - 20) CalWORKS Activity - Other activities
 - 21) CalWORKS Activity - Providing childcare to community services participants
 - 22) CalWORKS Activity - Mental health services
 - 23) CalWORKS Activity - Domestic abuse services
 - 24) CalWORKS Activity - Post-employment/job retention services
 - 25) CalWORKS Activity - Post CalWORKs 48-month service
 - 26) CalWORKS Service – Transportation
 - 27) CalWORKS Service – Ancillary
 - 28) CalWORKS Service – Childcare
-
- 1) CalFresh Activity - Job search
 - 2) CalFresh Activity - Job search training
 - 3) CalFresh Activity - Workfare
 - 4) CalFresh Activity - Work experience
 - 5) CalFresh Activity - Education
 - 6) CalFresh Activity - Self-employment training
 - 7) CalFresh Activity - WIOA Activities
 - 8) CalFresh Service - Transportation/ancillary
 - 9) CalFresh Service - Dependent care

File

Services

Collection Dates

7/1/13 – 6/30/17



Supportive Services

DED#	Data Element Name	Format
064	Type of Supportive Service or Activity	VCHAR(80) Comma Separated List
Definition		
The type of supportive service or activity assigned to and/or received by the participant.		
CAAL Skills Field Name		
TOSS		
CAAL Skills Values *		
Actual source values including "CalWORKs" and "CalFRESH" prefix ** 97 = Other 99 = Unknown *Actual source values collected for CWDA County Partners and DOR. ** CWDA County Partner Examples: <ol style="list-style-type: none"> 1) CalWORKS Activity – Appraisal 2) CalWORKS Activity – Assessment 3) CalWORKS Activity – Reappraisal 4) CalWORKS Activity – Job search & job readiness assistance 5) CalWORKS Activity - Unsubsidized employment 6) CalWORKS Activity - Self-employment 7) CalWORKS Activity - Subsidized private sector employment 8) CalWORKS Activity - Subsidized public sector employment 9) CalWORKS Activity - On-the-job training (OJT) 10) CalWORKS Activity - Grant-based on-the-job training (OJT) 11) CalWORKS Activity - Work-study 12) CalWORKS Activity - Supported work or transitional employment 13) CalWORKS Activity - Work experience 14) CalWORKS Activity - Community service 15) CalWORKS Activity - Job skills training directly related to employment 16) CalWORKS Activity - Vocational education and training 17) CalWORKS Activity - Education directly related to employment 18) CalWORKS Activity - Adult basic education 19) CalWORKS Activity - Satisfactory progress in a secondary school 20) CalWORKS Activity - Other activities 21) CalWORKS Activity - Providing childcare to community services participants 22) CalWORKS Activity - Mental health services 23) CalWORKS Activity - Domestic abuse services 24) CalWORKS Activity - Post-employment/job retention services 25) CalWORKS Activity - Post CalWORKs 48-month service 26) CalWORKS Service – Transportation 27) CalWORKS Service – Ancillary 28) CalWORKS Service – Childcare 		



- 1) CalFresh Activity - Job search
- 2) CalFresh Activity - Job search training
- 3) CalFresh Activity - Workfare
- 4) CalFresh Activity - Work experience
- 5) CalFresh Activity - Education
- 6) CalFresh Activity - Self-employment training
- 7) CalFresh Activity - WIOA Activities
- 8) CalFresh Service - Transportation/ancillary
- 9) CalFresh Service - Dependent care

File

Supportive Services

Collection Dates

7/1/13 – 6/30/17



DED#	Data Element Name	Format
065	First Date of Service or Activity	DATE
Definition		
The month, day, and year the participant began receiving a specified service or activity.		
CAAL Skills Field Name		
FDSS		
CAAL Skills Values		
Actual source values		
File		
Supportive Services		
Collection Dates		
7/1/13 – 6/30/17		



DED#	Data Element Name	Format
066	Last Date of Service or Activity	DATE
Definition		
The month, day, and year the participant stopped receiving a specified service or activity.		
CAAL Skills Field Name		
LDSS		
CAAL Skills Values		
Actual source values		
File		
Supportive Services		
Collection Dates		
7/1/13 – 6/30/17		