

	L General Information						
Age	ency or State Entity Name:						
Em	Employment Development Department						
Orį	ganization Code:						
710	00						
	posal Name:						
	nefit Systems Modernization						
De	partment of Technology Project Number:	7100-222					
2.2	2 Preliminary Submittal Information						
	ntact Information:						
	Contact First Name:	Contact Last Name:					
	Brandon	Rutschmann					
	Contact Email:	Contact Phone:					
	Brandon.Rutschmann@edd.ca.gov	916-255-2993	••••				
Pre	liminary Submission Date:	Preliminary Assessment Tra		1			
01/	/27/2017	(Include transmittal as an at submission.)	tachment to yo	our email			
2.3	3 Stage 2 Preliminary Assessment						
2.3	.1 Impact Assessment						
			Yes	No			
1.	Has the Agency/state entity identified and committed s all business sponsors and key stakeholders?	subject matter experts from	\boxtimes				
2.	Are all current baseline systems that will be impacted by	y this proposal documented		\boxtimes			
	and current (e.g., data classification and data exchange						
	assessments, design documents, data flow diagram, data dictionary, application						
		ta dictionary, application					
	code, architecture descriptions)?						
3.	code, architecture descriptions)? Does the Agency/state entity anticipate needing suppo	rt from the California					
3.	code, architecture descriptions)? Does the Agency/state entity anticipate needing suppo Department of Technology (CDT) Statewide Technology	rt from the California / Procurement to conduct					
-	code, architecture descriptions)? Does the Agency/state entity anticipate needing suppo	rt from the California / Procurement to conduct uest for Information)?					
4.	code, architecture descriptions)? Does the Agency/state entity anticipate needing suppo Department of Technology (CDT) Statewide Technology market research for this proposal (Market Survey, Requ Does the Agency/state entity anticipate submitting a bu procurement activities of this proposal?	rt from the California / Procurement to conduct uest for Information)? udget request to support the					
4.	code, architecture descriptions)? Does the Agency/state entity anticipate needing suppo Department of Technology (CDT) Statewide Technology market research for this proposal (Market Survey, Requ Does the Agency/state entity anticipate submitting a be procurement activities of this proposal? Could this proposal involve the development and/or pu	rt from the California / Procurement to conduct uest for Information)? udget request to support the urchase of systems to					
4.	code, architecture descriptions)? Does the Agency/state entity anticipate needing suppo Department of Technology (CDT) Statewide Technology market research for this proposal (Market Survey, Requ Does the Agency/state entity anticipate submitting a bu procurement activities of this proposal? Could this proposal involve the development and/or pu support activities included in Financial Information Systems	rt from the California / Procurement to conduct uest for Information)? udget request to support the urchase of systems to tem for California (FI\$CAL)					
4.	code, architecture descriptions)? Does the Agency/state entity anticipate needing suppor Department of Technology (CDT) Statewide Technology market research for this proposal (Market Survey, Requ Does the Agency/state entity anticipate submitting a bu procurement activities of this proposal? Could this proposal involve the development and/or pu support activities included in Financial Information Syst (e.g., financial accounting, asset management, human	rt from the California / Procurement to conduct uest for Information)? udget request to support the irchase of systems to tem for California (FI\$CAL) resources,					
4.	code, architecture descriptions)? Does the Agency/state entity anticipate needing suppo Department of Technology (CDT) Statewide Technology market research for this proposal (Market Survey, Requ Does the Agency/state entity anticipate submitting a be procurement activities of this proposal? Could this proposal involve the development and/or pu support activities included in Financial Information Syst (e.g., financial accounting, asset management, human procurement/ordering, inventory management, facilitie	rt from the California / Procurement to conduct uest for Information)? udget request to support the irchase of systems to rem for California (FI\$CAL) resources, es management)?					
4.	code, architecture descriptions)? Does the Agency/state entity anticipate needing suppor Department of Technology (CDT) Statewide Technology market research for this proposal (Market Survey, Requ Does the Agency/state entity anticipate submitting a bu procurement activities of this proposal? Could this proposal involve the development and/or pu support activities included in Financial Information Syst (e.g., financial accounting, asset management, human	rt from the California / Procurement to conduct uest for Information)? udget request to support the irchase of systems to tem for California (FI\$CAL) resources, es management)? irchitect or Enterprise					



7. Will the Agency/state entity's Information Security Officer be involved in the development and review of any security related requirements?						\boxtimes		
8. Does the Agency/state entity anticipate performing a business-based procurement to have vendors propose a solution?					ement	\boxtimes		
2.3	2.3.2 Business Complexity Assessment							
Business Complexity: 2.5 Business Complexity Zone: □ High ✓ Medium ⊥ Low						Low		

Attachment A 2.3.2 BSM Complexity identifies the business and technical complexity scores for the BSM Project.



Attachment A 2.3.2 BSM Complexity.pdf



2.4 S	ubmittal Information				
Conta	ct Information:				
Contact First Name:		C	Contact Last Name:		
Brandon		R	Rutschmann		
Cor	ntact Email:	C	Contact Phone:		
	ndon.Rutschmann@edd.ca.gov		16-255-2993		
	ission Date:		Project Approval Executive Transmittal:		
Submission Date.			(Include transmittal as an attachment to your email		
6/7/2018		-	ubmission.)		
Submi	ssion Type:				
🛛 Ne	w Submission	🗌 Upda	ated Submission (Post-Approval)		
🗌 Up	dated Submission (Pre-Approval)	🗌 With	draw Submission		
			son: Select		
		If "C	Other," specify:		
Sect	ions Updated (For Updated Submissions Only) – (check	all that ap			
	2.1 General Information		2.10.6 Implementation Approach		
	2.2 Preliminary Submittal Information		2.10.7 Architecture Information		
	2.3 Stage 2 Preliminary Assessment		2.11 Recommended Solution		
	2.3.1 Impact Assessment		□ 2.11.1 Rationale for Selection		
	2.3.2 Business Complexity Assessment		2.11.2 Technical/Initial IT Project Oversight Framework Complexity Assessment		
	2.4 Submittal Information		2.11.3 Procurement and Staffing Strategy		
	2.5 Baseline Processes and Systems		□ 2.11.4 Enterprise Architecture Alignment		
	□ 2.5.1 Description		2.11.5 Project Phases		
	2.5.2 Business Process Workflow		2.11.6 High Level Proposed Project Schedule		
	\Box 2.5.3 Current Architecture Information		2.11.7 Cost Summary		
	2.5.4 Current Architecture Diagram		2.12 Staffing Plan		
	\square 2.5.5 Security Categorization Impact Table		2.12.1 Administrative		
	2.6 Mid-Level Solution Requirements		2.12.2 Business Program		
	2.7 Assumptions and Constraints		\Box 2.12.3 Information Technology (IT)		
	2.8 Dependencies		□ 2.12.4 Testing		
	2.9 Market Research		2.12.5 Data Conversion/Migration		
	2.9.1 Market Research Methodologies/Timeframes		\Box 2.12.6 Training and Organizational Change Management		
	2.9.2 Results of Market Research		\Box 2.12.7 Resource Capacity/Skills/Knowledge for Stage 3 Solution		
	2.10 Alternative Solutions		Development		
	□ 2.10.1 Solution Type)		2.12.8 Project Management		
	Recommended		2.12.8.1 Project Management Maturity Assessment		
	□ Alternative		2.12.8.2 Project Management Planning		
	□ 2.10.2 Name		2.12.9 Organization Charts		
	□ 2.10.3 Description	a	2.13 Data Conversion/Migration		
	2.10.4 Benefit Analysis		2.14 Financial Analysis Worksheets		
	\Box 2.10.5 Assumptions and Constraints				
Sumn	nary of Changes:				



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Project Approval Executive Transmittal:		Attach transmittal to email submission.				
Condition(s) from Previous Stag	Condition(s) from Previous Stage(s):					
Condition #						
Condition Category	Select					
Other, specify						
Condition Sub-category	Select					
Other, specify	••••					
Condition						
Assessment	Select					
Other, specify						
Agency/state Entity Response						
Status	Select					
Other, specify						
Select + to add conditions						

2.5 Baseline Processes and Systems

2.5.1 Description

The Employment Development Department (EDD) administers several multi-billion dollar benefit programs, including the Unemployment Insurance (UI) and State Disability Insurance (SDI) programs that provide financial stability to workers and communities.

The UI Branch (UIB) administers the employer funded UI program, a short-term wage replacement program for unemployed individuals. The mission of the UIB is to provide comprehensive UI services to California's workers and employers. These services sustain economic prosperity in California communities, provide income replacement, and assist in the reemployment of workers.

The Disability Insurance Branch (DIB) administers the SDI program which provides partial wage replacement benefits to California workers. The SDI program is comprised of the following components: Disability Insurance (DI), Paid Family leave (PFL), Voluntary Plan (VP), Non-Industrial Disability Insurance (NDI), and Disability Insurance Elective Coverage (DIEC).

The DI provides temporary, partial wage replacement to eligible workers of California who suffer a loss of wages when they are unable to perform their regular or customary work due to mental or physical illness or injury. The PFL provides benefits for bonding with a new child or to care for a seriously-ill family member. The VP is a private short-term DI coverage that an employer may offer to its California employees as a legal alternative to the mandatory state plan coverage. The NDI provides short-term DI benefits for select State employees and retirees. The DIEC Program is an optional program for business owners and self-employed individuals who are not required to pay into the SDI, but want to be covered by the DI and PFL.

The EDD's Tax Branch will also be impacted by the BSM Project as many of its programs are tightly integrated with the EDD's benefit programs. The Tax Branch is one of the largest tax collection entities in the United States. The Branch handles the customer service, education, administrative, and enforcement functions for the collection, accounting, and audit of UI and Employment Training Tax (ETT) contributions, and DI and Personal Income Tax (PIT) withholdings. In addition, the Tax Branch is responsible for the collection of UI and DI benefit overpayments.

The Tax Branch establishes employer accounts, maintains tax, wage, and monetary information, and determines employer tax rates. The Tax Branch also ensures that employers promptly and accurately report data and pay revenues necessary to support services and benefits provided by the UI, SDI, ETT, and PIT withholding programs.



The Tax Branch also houses the Department's Document and Information Management Center which digitally scans and stores employer wage detail, claim forms, employer electronic responses (SIDES), and related correspondence for the Tax, SDI and UI programs.

The following are the high-level UI, DI, and Tax branch processes:

- Ability to serve customers throughout California by providing: Claim filing, Claim processing, Benefit payments, Eligibility determinations, Recomputations, Appeals, Overpayment resolution, Identity verification, Fraud prevention, stakeholder communication, policy development, performance management, required State and Federal reporting, and benefit accounting and auditing.
- Provide VP, NDI, PFL, and DIEC administration.
- Administer the Federal Disaster Unemployment Assistance, State Special School Benefits, Federal Trade Adjustment Assistance, Trade Readjustment Allowances, California Training Benefits, Work Sharing, and Federal Trade Act UI Programs, including the Health Care Tax Credit.
- Administer interagency offset programs with the Franchise Tax Board, the California Lottery, the Internal Revenue Service, and the Department of Child Support Services.
- Determining employers' liability of benefit charges.

Please note that the EDD successfully replaced the Tax Branch legacy systems with a modernized Commercial Off the Shelf system the Accounting and Compliance Enterprise System (ACES) in January 2011. The ACES system will remain in place and interface where necessary with the BSM solution.

2.5.2 Business Process Workflow

The BSM Project team identified 715 existing system processes from UI, DI, and Tax Branch that are within scope of the BSM project. Attachment B 2.5.2 groups the processes into 10 distinct high level functions. These high level functions have been mapped to the mid-level requirements and will be mapped to the detailed business requirements as part of Stage 3 Solution Development.



Attachment B 2.5.2 High Level Functions

Attachment C 2.5.2 contains the Acronym and Glossary list associated with the existing UI, DI, and Tax Branch processes.



Glossary.pdf

Attachment D 2.5.2 contains the BSM data dictionary.





The below links include the various state and federal policies associated with the UI and SDI programs that dictate the need for the business processes above:

Code of Federal Regulations (CFR) – Title 20 https://www.dol.gov/general/cfr/title_20

California Unemployment Insurance Code <u>https://leginfo.legislature.ca.gov/faces/codesTOCSelected.xhtml?tocCode=UIC</u>

California Code of Regulations EDD

https://govt.westlaw.com/calregs/Browse/Home/California/CaliforniaCodeofRegulations?guid=I6F582E80D4B611DE 8879F88E8B0DAAAE&originationContext=documenttoc&transitionType=Default&contextData=(sc.Default)

2.5.3 Current Arc	hitecture Information					
Business Function	/Process(es)	Attachment E 2.5.3 identifies all required information for this section by benefit system. Attachment E 2.5.3 Architecture Informa				
Application, Syste	•					
COTS, MOTS or Cu		Select				
	mary Technology:					
Runtime Environment	Cloud Computing Used?	🗆 Yes 🛛 No	If "Yes," specify:	Select		
	Server/Device Function					
	Hardware					
	Operating System					
	System Software					
		Select + to add system software				
System Interfaces						
Data Center Locat	ion Other, specify	Select				
Security	Access	Public Internal State Staff External State Staff				
	(check all that apply)	□ Other, specify:				
	Type of Information	Personal	Health 🗆 Tax 🗆	Financial 🗌 Legal		
	(check all that apply)	Confidential	\Box Other, specify:			
	Protective Measures	Technical Sec	curity 🛛 Identity A	Authorization and Authentication		
	(check all that apply)	Physical Security Backup and Recovery				
		□ Other, specify:				
Data Management	Data Owner	Name:				
		Title:				
		Business Program:				



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		Name:				
		Title:				
		Business Program:				
Business Function	/Process(es)					
Application, System	m or Component					
COTS, MOTS or Custom						
Name/Prir	mary Technology:					
Runtime Environment	Cloud Computing Used?	🗆 Yes 🗆 No	If "Yes," specify:			
	Server/Device Function					
	Hardware					
	Operating System					
	System Software					
		Select + to add system software				
System Interfaces						
Data Center Locat	ion					
	Other, specify	Click here to ent	ter text.			
Security	Access	Public Internal State Staff External State Staff				
	(check all that apply)					
	Type of Information	🗆 Personal 🗆 Health 🗆 Tax 🗆 Financial 🗆 Legal				
	(check all that apply)	\Box Confidential	\Box Other, specify:			
	Protective Measures	Technical Sec	curity 🛛 Identity A	uthorization and Authentication		
	(check all that apply)	Physical Security Backup and Recovery				
		□ Other, specify:				
Data Management	Data Owner	Name:				
		Title:				
		Business Program:				
Data Custodian		Name:				
		Title:				
		Business Program:				

Select + to add business functions/processes 2.5.4 Current Architecture Diagram

Attachment F 2.5.4 provides a visual understanding of the relationships between the benefit systems, primary users, business processes, information, applications, technology, and system interfaces.



Attachment F 2.5.4 Architecture Diagram

2.5.5 Security Categorization Impact Table

Attachment G 2.5.5 categorizes and classifies the EDD assets by benefit system.





Attachment G 2.5.5 Security Categorizat

SECURITY CATEGORIZATION IMPACT TABLE SUMMARY						
SECURITY OBJECTIVE LOW MODERATE HIGH						
Confidentiality		\boxtimes				
Integrity		\boxtimes				
Availability		\boxtimes				
2. Charles Level Colution Developments						

2.6 Mid-Level Solution Requirements

Attachment H 2.6 provides the mid-level requirements, which were included in the Request for Information (RFI)



Attachment H 2.6 Midlevel Solution Re

2.7 Assumptions and Constraints	
Assumptions/Constraints	Description/Potential Impact
The EDD will assign qualified dedicated resources to the project.	The Project could be delayed and product quality could be impacted if dedicated resources are not made available.
The Benefit Systems Modernization (BSM) Executive Steering Committee (ESC) will continue to provide governance support and commitment throughout the project.	Insufficient sponsorship and commitment could impact project success.
Project executives will actively participate in the project and complete reviews and make decisions in a timely fashion.	The Project could be delayed and/or require rework due to lack of timely direction from Project executives.
Internal EDD and the Labor and Workforce Development Agency review and approvals will be completed in a timely fashion.	The Project could be delayed if approvals are not received in a timely fashion.
Control agencies will complete review and approval of Project Approval Lifecycle (PAL) and budget related requests in a timely fashion.	The Project could be delayed if approvals are not received in a timely fashion.
The Legislature will review and approve budget related requests and Legislative notifications in a timely fashion.	The Project could be delayed if Legislative approvals are not received in a timely fashion.
The business will drive the functional requirements for all business processes and	The Project could be delayed and/or require rework due to misstated or missed business requirements.



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actively provide additional Subject Matter	
Expert (SME) input whenever required.	
The ITB is responsible for all technology	
processes and will provide program support. ITB	The Project could be delayed and/or require rework
will provide additional technical Subject Matter	due to misstated or missed technical requirements.
Expert input whenever required.	
BSM will require modification and/or creation of	Without supporting, efficient business processes,
new business processes.	project objectives may not be met.
In order to realize full system potential, program	
areas will accept and support process	Lack of timely adoption of process changes could result
improvements (changes) necessitated by project	in delayed realization of project goals.
implementation.	
The Organizational Change Management (OCM)	Lack of effective OCM could result in delayed
efforts will be sufficient to support successful	realization of project goals.
project implementation.	
The project objectives will be reassessed as the	As Project planning progresses through the PAL
project progresses to ensure alignment with the	process, the Project may need to adapt project
overall BSM solution and Department needs.	objectives to new or unanticipated project changes.
System requirements and System Integrator	
contract will address scalability to anticipate any	The solution may not be able to address business needs
new legislative mandates that impact the	then current at the time of implementation.
project.	

2.8 Dependencies					
Elen	nent	Description			
		Additional pro	oject funding for project planning and		
Proi	ect Funding	implementation activities will be needed throughout the			
		project lifecycle in order to successfully implement the new			
		system. Export Progra	m and Technical Staff must be secured on an		
			to support the development of functional and		
Expe			al system requirements, business rule extraction		
•	0	and discovery, data quality analysis, and system			
		implementation support.			
2.9	Market Research				
2.9.	1 Market Research Methodologies/Timeframes				
Met	hodologies Used To Perform Market Researc	h (check all	that apply):		
\boxtimes	Request for Information (RFI)		Trade shows		
\boxtimes	☑ Internet Research		Published Literature		
\boxtimes	Vendor Forums/Presentation		Leveraged Agreements		
Collaboration with other Agencies/state entities or governmental entities			Other, specify:		
Tim	e spent conducting market research:	Over 1 Year			



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Date market research was started:	2/8/2016
Date all market research was completed:	1/31/2018
2.9.2 Results of Market Research	

Initial Market Research

The Department began early Market Research efforts for the BSM project in February 2016. The Department's early efforts included surveying eleven states and one three-state consortium, all of which had recent implementations of new unemployment insurance benefit systems. From the initial state surveys, the Department learned of various Modifiable Commercial Off the Shelf (MOTS) solutions available in the benefits administration space that had the potential to meet the EDD's business needs. The Department invited a sampling of vendors to provide informal demonstrations of their products and discuss features that may be needed in a benefits system for the EDD. This initial market research was used in the development of the BSM Stage 1 Business Analysis deliverable.

Survey of other States

The EDD is also a member agency of the National Association of State Workforce Agencies (NASWA). The NASWA establishes and maintains workgroups amongst the 53 workforce agencies of the United States, Puerto Rico, and Guam to enable cross-pollination of approaches, implementing lessons learned, and leveraging project artifacts for benefit system modernization efforts across the country. Through NASWA's membership, the Department has direct access to the most current information on developments in the state workforce system, including emerging challenges and issues facing state workforce agencies and their local partners. The NASWA operates as the unique national clearinghouse of technical information and knowledge repository for UI agencies across the country, to limit risks and increase Information Technology (IT) compatibility among states. The Department analyzed the NASWA's data on other workforce agency's legacy system modernization projects in order to determine solution alternatives that would offer the greatest opportunity for success, based on recent efforts. The following charts summarize the Department's findings that clearly demonstrate MOTS solutions as the preferred alternative for benefit system modernization projects:







		Distribution by	Distribution by
Row Labels	-	States (%)	States (count)
Completed		58.06%	18
Terminated		6.45%	2
Withdrew		3.23%	1
In Progress		32.26%	10
Grand Total		100.00%	31



Request For Information

The EDD released an RFI in December 2017 to survey the vendor community with EDD-specific business needs. The RFI identified vendors that have experience in workforce benefit agencies and compiled information regarding vendor experience, methods, capability, and tools, which assisted the EDD in identifying products and methods that can meet its business needs. The RFI included the mid-level requirements developed as part of Stage 2 with an evaluation matrix to determine if vendor products were a good fit for the EDD and could meet the EDD's needs "out-of-the-box" or would require customization. In addition, the respondents were asked to self-assess their capacity to meet the EDD's high-level requirements. The RFI included a vendor questionnaire to gather Rough Order of Magnitude platform and implementation costs, project team composition, infrastructure requirements, and implementation options.

A total of seven vendors responded to the RFI, six of which included viable solution options, all of which were based on MOTS solution platforms. The vendor responses indicated a high degree of alignment between their "out-of-the" box products and the EDD's mid-level solution requirements, and that an appropriate level of customization would be needed to meet the remainder of the EDD's needs. The EDD will require a higher level of customization than a typical MOTS implementation, perhaps as high as 30%, due to the uniqueness of California's size and complexity, and the combination of three benefit programs into one system. The vendors' Rough Order of Magnitude costs covered a wide range and each included a number of assumptions that will impact their final cost numbers all of which will need to be fleshed out as the project progresses in Stage 3.

	_			-	_	
	Vendor 1	Vendor 2	Vendor 3	Vendor 4	Vendor 5	Vendor 6
Vendor Implementation Costs	\$ 57,536,00	0 \$ 108,064,500	\$ 96,150,000	\$ 84,500,000	\$ 59,312,749	**
Vendor Implementation Staff	75	50	**	75	80	**
Proposed Implementation Timeframe (Months)	24	42	42	36	32	**
1-Year Vendor M&O Costs	\$ 11,314,00	0 \$ 11,150,000	\$ 11,300,000	\$ 10,700,000	\$ 11,680,621	**

RFI Results Summary

**Vendor did not provide requested information

Industry Best Practices

The EDD also utilized its Gartner subscription and found Gartner's Pace Layers framework that is used to guide application delivery options. Gartner frames applications into three broad categories as follows: Systems of record – Usually found in business capabilities with a clear focus on standardization and/or operational efficiency (i.e. Government); Systems of differentiation – Typically related to business capabilities that enable unique or industryspecific capabilities that sustain a company's competitive advantage; and Systems of innovation – New applications and products that are built on an ad hoc basis to address emerging business requirements, business opportunities or even new business models. The EDD fits the Systems of record category because the business rate of change is low as the processes are well established and subject to regulatory requirements and laws. The EDD also has a clear focus on business capabilities for BSM that focus on standardization and operational efficiency. Gartner prescribes delivery options relevant to each of the above application categories. In the Systems of record space (Government Sector), which the EDD falls into, Gartner places a high relevance (high alignment) on applications that provide a buy (on-prem) or subscribe (cloud) and configure (MOTS) model.

Conclusion

The collective market research activities for the BSM Project have confirmed that mature MOTS workforce/benefit systems are in use throughout other jurisdictions and support a wide range of benefit types and business processes. Most all MOTS vendors possess a significant amount of state or industry experience and have installed their products in government workforce agencies, with proven results. These vendors have also worked with systems integrators to provide software implementation and support services. These findings have confirmed that the Department's proposed solution approach to acquire a MOTS system will meet the BSM Project objectives.

2.10 Alternative Solutions



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2.10.1 Solution Type

⊠ Recommended

2.10.2 Name

MOTS Implementation – Incremental Business Value Delivery

2.10.3 Description

The **recommended solution** will replace the EDD's UI, DI, and PFL systems with one fully integrated MOTS solution. This recommended implementation approach will deliver incremental business value as the various components of the MOTS solution are developed and released into production. This approach will provide the Department early and frequent opportunities to assess vendor and solution performance to ensure the State's investment remains sound. This alternative will implement the UI, DI, and PFL functionality simultaneously in the final release due to their tight integration needs, which avoids the risks, costs, and timeline associated with building single-use piecemeal integration components during the transition.

The EDD is planning to pair an iterative system development methodology with the incremental business value delivery approach to streamline the project schedule and delivery. Some benefits of using an iterative system development methodology include:

- Cycle time reduction between design and testing resulting in higher system quality
- Earlier and continuous delivery of product with business value
- Prompt and frequent viability assessment of the vendor and solution
- Early issue identification to implement course corrections
- Facilitation of better team work, collaboration, and communication which will result in higher quality

The EDD has developed the following proposed implementation plan that will provide incremental business value at reduced cost drivers and with a reduced amount of risk. The EDD will work with the vendor community through Stage 3 Solution Development to confirm and/or revise this plan as needed to achieve maximum value and efficiency:

Release 1 – Infrastructure and Core Data Model

Building on lessons learned from other large-scale California legacy system replacement projects, the EDD envisions the first release to include the complete solution hardware infrastructure design, installation, and configuration, including disaster recovery. In this release, all necessary solution, database, and server software will be installed in all required environments (development, conversion, test, training, performance, production) with a base configuration and core data model. Any infrastructure and application monitoring tools will also be setup and tested for providing base functionality for use in the following releases. As part of this initial installation, the vendor will also establish and prove solution DevOps tasks such as configuration management tools, build and deploy processes, and server patching.

In this release, the interface and batch processing architecture will also be established and tested for base connectivity and functionality.

Through establishing and proving the solution infrastructure early in the project, the EDD will also be able to establish and prove basic integration with EDD's enterprise architecture components that will continue as a part of the BSM solution (e.g. Oracle Identity Management, etc.).

Release 2– Non-Automated Tasks/Processes

The EDD is fortunate in that it currently has several completely manual and/or paper based benefits programs that provide an opportunity to develop and test the new system's functionality without impact to the existing benefit systems. This release will include the automation of these functions. The MOTS product will be configured and/or modified to meet EDD business requirements which will exercise the solution's and contractor's capabilities.



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While these processes are manual and paper based today, they will still benefit from the use of some core legacy system data such as basic customer information and lookup data. This provides the Department an early opportunity to develop and test data conversion processes and an initial assessment of conversion performance. Release 2 also allows the EDD to prove out the solution's core interface functionality. Additionally, this release will create the first training material for internal staff and customers creating a valuable training base to be leveraged going forward. From an organizational change management perspective, this release will be used to market system functionality to later releases to promote enhanced acceptance of the new system.

Release 3 - Non-Core Systems

This release is envisioned to include an array of Non-Core system functionality such as Fraud, Collections, Security and Audit capabilities features which are stand-alone functions and will be replaced by configuring and/or modifying the MOTS product's equivalent features and capabilities. This release will further test the vendor's data conversion and system performance by bringing in additional legacy system data as needed to support this expanded functionality. At this stage, the existing legacy applications performing these functions might be retired or could run in parallel to prove system performance. Full decommissioning will occur after successful implementation of all programs.

Release 4 – Web and Mobility platform Read only functions

This release is envisioned to include the capability for customers to view read only data via Web and Mobility platforms. In order to support the expanded functionality, the database will need to be further populated with additional legacy data continuing to test and expand the data conversion process in preparation for full conversion. This will provide business value by assisting customers in providing read only access to customers' wage information, employer information, past claim data, current claim information and benefits which will assist in reducing the number of questions and phone calls the EDD receives. The advance release of the mobility platform will help validate the solution's mobility capability early in the effort prior to full system functionality being deployed. It will also provide an early opportunity to conduct mobility performance and load testing ahead of the full release. The EDD will gain valuable Usability Experience data from the end users based on actual usage.

Release 5 – UI, DI, and PFL system functionality

This final release will complete the replacement of the existing UI, DI, and PFL systems with the new MOTS solution. This release will leverage lessons learned from the prior releases to significantly reduce implementation risks. This release will include a complete cutover and data conversion from the respective legacy systems to the new solution. The existing legacy applications performing these functions will be fully retired as well following successful implementation and stabilization of the new MOTS solution post go-live.

Approach (Check all that apply):

	Increase staff – new or existing capabilities
\boxtimes	Modify the existing business process or create a new business process
	Reduce the services or level of services provided
\boxtimes	Utilize new or increased contracted services
	Enhance the existing IT system
\boxtimes	Create a new IT system
\boxtimes	Perform a business-based procurement to have vendors propose a solution
	Other, specify:
2.10.4 Be	enefit Analysis
Benefits	/Advantages

- Delivers business value incrementally.
- Allows the EDD multiple contract off-ramps to better manage the contract and detect any vendor or solution performance issues early and often.
- Releases solution in smaller components to allow the EDD to collect and apply lessons learned to future phases of the project.



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- Provides for multiple contractor and solution assessment checkpoints in the system integrator contract, which will provide the EDD visibility and tools to take corrective contract actions when required.
- Reduces risk of data conversion as conversion will occur in smaller segments early on to test conversion processes and performance and allow for corrections prior to full system cutover.
- Eliminates the need to build costly, risky, throwaway system and data bridges between the new and legacy systems, which may cause system stability and synchronization issues, and reduce program quality.
- Reduces impact to program staff during system transition. Staff will not need to toggle work between the old and new systems which could introduce data synchronization and data quality issues between systems.
- Lessens training required as major programs are moved into the new solution at the same time, eliminating the need for updating training materials and retraining as would be needed if programs were progressively added into the new system.
- Reduces overall organizational change impact as staff will have less disruption than in other models.
- Provides the least amount of system design, development and implementation risk compared to the other alternatives by a factor of three at a minimum.
- Allows the EDD to retire and decommission its multiple legacy systems earlier, quickly eliminating the ongoing legacy system support costs.

Select + to add benefits/advantages

Disadvantages

- Volume of post go-live issues following the simultaneous implementation could be higher which may require increased staffing to support it in the short term.
- Converting three customer groups at the same time may complicate EDD customer support efforts upon full roll out.
- Will require staff training and OCM for three program areas at the same time.

Select + to add disadvantages

	Anticipated Time to Achieve Objectives After Project Go-Live					
		Objective T	Timeframe			
Objective Number	Within 1 Year	2 Years	3 Years	4 Years	Over 4 Years	
1.1	\boxtimes					
1.2		\boxtimes				
1.3		\boxtimes				
2.1		\boxtimes				
3.1		\boxtimes				
4.1	\boxtimes					
4.2	\boxtimes					
4.3	\boxtimes					
4.4	\boxtimes					
4.5	\boxtimes					
Select + to add ob	jectives					
	Anticipated Ti	me to Achieve Finan	cial Benefits After P	roject Go-Live		
Financial Benefit	Within 1 Year	2 Years	3 Years	4 Years	Over 4 Years	
Increased Revenue	es 🗌					
Cost Saving	gs 🗌	\boxtimes				
Cost Avoidanc	Cost Avoidance					



Alternatives Analysis -

Stage	e 2 Alterna	atives Ana	lysis		
and or tron			California Depa	rtment of Technology, SIMM 19	B, Revision 9/29/2017
Cost Recovery					
.10.5 Assumptions an	d Constraints				
leveloped and the Dep ielect + to add assumption ielect	Approach (<i>deferre</i> isting IT system er isting IT system er istom solution ercial off-the-Shelf a system from an oware as a Service to be leveraged (<i>d</i> ice (SaaS) provided ice (PaaS) provided ice (PaaS) provided	with potential bidd ed to Stage 4) hancement or ne (COTS) system other governmen (SaaS) system check all that appl d by OTech d by commercial v d by Commercial v	w system proposition of the system propositi	efined as the to-be busine the procurement process sed (check all that apply) er)	
 Infrastructure as a Infrastructure as a No cloud services leveraged: 	Service (IaaS) pro- will be leveraged b	vided by commerc by this alternative.	Provide a descri	ption of why cloud servic eck all that apply):	es are not being
Agency/state entit	y IT staff ontracted			agency. Specify Agency	name(s):
Other, specify:					
	vill be addressed ir be addressed in ir ts will be addresse	cremental implen d in this proposed	nentations in this project. The rem	mplementation. proposed project. naining requirements will	be addressed at
Identify if the technol	ogy for the propos	ed project will be	mission critical a	•	
The technology im	plemented for this	s proposed project	will be consider	ed mission critical and pu	Iblic facing.
2.10.7 Architecture Info	ormation				
Business Function/Proc		California D	epartment of Teo	ness based procurement o chnology (CDT) Preparatio Stage 4 Project Readiness	on Instructions

	this section is deferred until Stage 4 Project Readiness and Approval.
Application, System or Component	
COTS, MOTS or Custom	Select
Name/Primary Technology:	



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Runtime Environment	Cloud Computing Used?	🗆 Yes 🛛 No	If "Yes," specify:	Select		
	Server/Device Function					
	Hardware					
	Operating System					
	System Software					
	S	elect + to add sys	stem software			
System Interfaces						
Data Center Location		Select				
Other, specify						
Security	Access	Public Internal State Staff External State Staff				
	(check all that apply)	🗌 Other, specif	y:			
	Type of Information	🗆 Personal 🗆 Health 🗆 Tax 🗆 Financial 🗆 Legal				
	(check all that apply)	□ Confidential □ Other, specify:				
	Protective Measures	Technical Security Identity Authorization and Authentication				
	(check all that apply)	Physical Security Backup and Recovery				
		🗌 Other, specif	y:			
Data Management	Data Owner	Name:				
		Title:				
		Business Program:				
Data Custodian		Name:				
		Title:				
		Business Progra	m:			

Select + to add business functions/processes

2.10.1 Solution Type

⊠ Alternative

2.10.2 Name

MOTS Implementation – Phased Implementation by Program

2.10.3 Description

The **alternative solution #1** will replace the EDD's UI, DI, and PFL systems with one fully integrated MOTS solution. This alternative approach will also deliver incremental business value as the various components of the MOTS solution are developed and released into production, while also providing the Department early and frequent opportunities to assess vendor and solution performance to ensure the State's investment remains sound. This alternative differs from the recommended alternative in that this alternative will implement the UI, DI, and PFL functionality in separate releases. The primary disadvantage of this approach is that due to the UI, DI, and PFL program's tight integration needs, this approach will add the risks, costs, and timeline associated with building single-use piecemeal integration components (i.e. technology "bridges") during the transitions.

This approach will also pair an iterative system development methodology with the incremental business value delivery approach to streamline the project schedule and delivery.

The proposed solution implementation plan follows the plan outlined in the recommended alternative for Releases 1 through 4. Release 5 has been modified to include only one benefit program, while Releases 6 and 7 have been added to implement the remaining benefit programs.

Releases 1 – 4 (Unchanged from recommended alternative)



Release 5 – PFL program functionality

This release will replace the majority of the existing PFL systems with the new MOTS solution. It will include the first development and implementation of the single-use "bridge" architecture to ensure the PFL program remains tightly integrated with the DI and UI programs. This release will include partial data conversion from the respective legacy systems to the new solution as some program data is expected to need to remain on legacy systems to support the single-use integration bridge. Data synchronization processes will also need to be developed to ensure the converted data remains in sync with remaining legacy data to support future conversion activities. The existing legacy applications performing PFL functions will largely not be able to be retired until full implementation and stabilization of the new MOTS solution. The partial data conversion, synchronization and the development and maintenance of the legacy bridges will significantly increase risks to the project.

Release 6 – DI program functionality

This release will replace the majority of the existing DI systems with the new MOTS solution. This release will include modification and re-implementation of the single-use "bridge" architecture to ensure the PFL and now DI program remains tightly integrated with the remaining UI program. This addition will add significant risk in this release. This release will include more partial data conversion from the respective legacy systems to the new solution as some program data is expected to need to remain on legacy systems to support the single-use integration bridge. Data synchronization processes will also need to be modified to ensure the additional converted data remains in sync with remaining data to support future conversion activities. The existing legacy applications performing PFL and DI functions will largely not be able to be retired as well until full implementation and stabilization of the new MOTS solution. With this release, the training that was developed as part of the prior release will also have to include changes for the PFL program as a result of adding the DI program to the new solution. This release will also introduce training covering use of the integration bridges. Training will not only have to occur for the new DI users, but for PFL retraining on the changes as well.

Release 7 – UI program functionality

This release will replace the UI systems with the new MOTS solution, as well as fully replace the remaining PFL and DI functionality. This release will include decommissioning of the single-use "bridge" architecture. This release will include the final data conversion from the respective legacy systems to the new solution, and will require remediation of any synchronization issues that were introduced as part of the prior two releases. With this release, the existing legacy applications performing PFL, DI, and UI functions will finally be able to be retired with the full implementation and stabilization of the new MOTS solution. With this release, the training that was developed as part of the prior release will again have to be significantly modified to accommodate UI training needs, while factoring in the changes introduced for the PFL and DI programs as a result of adding the UI program to the new solution, as well as retirement of the single-use integration bridges. Training again will not only have to occur for the new UI users, but for PFL and DI retraining due to the retirement of the single-use integration bridges.

Please note, regardless of the program order in Releases 5, 6, and 7, the same implementation complexities will exist. **Approach** (Check all that apply):

	Increase staff – new or existing capabilities
\boxtimes	Modify the existing business process or create a new business process
	Reduce the services or level of services provided
\boxtimes	Utilize new or increased contracted services
	Enhance the existing IT system
\boxtimes	Create a new IT system
\boxtimes	Perform a business-based procurement to have vendors propose a solution
	Other, specify:



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2.10.4 Benefit Analysis

Benefits/Advantages

- Business value will be delivered incrementally.
- Reduces risk by applying lessons learned from each release.
- Initially releasing solution to a smaller customer base will allow the EDD to apply lessons learned and further configure the system during full roll out.
- Utilizing the incremental business value approach will allow the EDD to better manage the contract and detect any vendor performance issues early and often.
- Multiple off-ramps will be included in the system integrator contract, which will allow the EDD to take the necessary action when required.
- This option allows for the implementation and configuration of data with the MOTS product upfront.

Select + to add benefits/advantages

Disadvantages

- Data bridges including interfaces will need to be developed and maintained between the existing legacy systems and MOTS solution.
- Data synchronization between the legacy systems specific to the Benefits area and the MOTS system depending on the roll out schedule can cause major issues and can seriously impact customer data.
- Legacy systems are not cloud enabled, if the MOTS solution implementation approach is cloud based, it will seriously impact performance between the data bridges and synchronization of the legacy and MOTS systems.
- Customers will not benefit from streamlined and consolidated processes common across the three programs until all programs are implemented.
- Benefits of using redesigned dynamic and streamlined forms and letters cannot be fully leveraged until all programs are implemented. In the interim existence of both new and old forms and letters can cause process and data issues.
- Staff will have to use multiple separate applications and numerous screens to perform day-to-day work that will cause inefficiencies and induce errors.
- Imaging work flows will have to be updated to support program specific information and will increase complexity and risk.
- Enterprise reporting system will have to do multiple efforts to update their data maps to produce program specific federal and State reports and could cause implementation and roll out delays.
- Data model for the final combined system will be suboptimal as we will have to factor in support for legacy data fields to support program specific roll out approach.
- Once the solution is fully implemented data bridges, synchronization, and interfaces will need to be decommissioned increasing the overall project costs.
- These bridges, interfaces, and synchronizations will require additional staff and vendor costs that are "throw away" costs.
- Maintenance of existing systems will be required for a longer duration (Estimated 2 years)
- Legacy systems cannot be fully decommissioned until all programs have been implemented.
- Loss of leverage on vendor for later release quality vendor will gain leverage once state is in production on its system.
- State will incur additional costs to run dual systems until full BSM implementation.

Select + to add disadvantages

	Anticipated	d Time to Achieve Ol	bjectives After Proje	ct Go-Live	
		Objective T	imeframe		
Objective	Objective Within 1 Year 2 Years 3 Years 4 Years Over 4 Years				



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1.1	\boxtimes			
1.2		\boxtimes		
1.3		\boxtimes		
2.1		\boxtimes		
3.1		\boxtimes		
4.1	\boxtimes			
4.2	\boxtimes			
4.3	\boxtimes			
4.4	\boxtimes			
4.5	\boxtimes			

Select + to add objectives

	Anticipated Time to Achieve Financial Benefits After Project Go-Live						
Financial BenefitWithin 1 Year2 Years3 Years4 YearsOver 4 Years							
Increased Revenues							
Cost Savings		\boxtimes					
Cost Avoidance		\boxtimes					
Cost Recovery							

2.10.5 Assumptions and Constraints

Select + to add assumptions/constraints

2.10.6 Implementation Approach (deferred to Stage 4)

Identify the type of existing IT system enhancement or new system proposed (check all that apply):

- Enhance the current system
- Develop a new custom solution
- Purchase a Commercial off-the-Shelf (COTS) system
- □ Purchase or obtain a system from another government agency (Transfer)
- □ Subscribe to a Software as a Service (SaaS) system
- □ Other, specify:

Identify cloud services to be leveraged (check all that apply):

- □ Software as a Service (SaaS) provided by OTech
- □ Software as a Service (SaaS) provided by commercial vendor
- □ Platform as a Service (PaaS) provided by OTech
- □ Platform as a Service (PaaS) provided by commercial vendor
- □ Infrastructure as a Service (IaaS) provided by OTech
- □ Infrastructure as a Service (IaaS) provided by commercial vendor
- □ No cloud services will be leveraged by this alternative. Provide a description of why cloud services are not being leveraged:

Identify who will modify the existing system or create the new system (check all that apply):

- □ Agency/state entity IT staff
- \Box A vendor will be contracted
- □ Inter-agency agreement will be established with another governmental agency. Specify Agency name(s):



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🗌 Oth	er, specif	fy:					
Identify	the impl	ementation strategy:					
 All r Req Som late 	requirem juirement ne require er date.	ents will be addressed in this the will be addressed in increr	nental implemen this proposed pro	tations in this prop pject. The remainin			
		chnology for the proposed p					
🗌 The	technolo	ogy implemented for this pro	posed project wi	Il be considered mi	ssion critical and public facing.		
2.10.7 Ar	rchitectu	re Information					
Business F	unction/	Process(es)	CDT Preparation	-	ased procurement and per the section is deferred until Stage 4		
Applicatio	n, Systen	n or Component					
COTS, MO			Select				
	lame/Prir	mary Technology:					
Runtime Environme	ent	Cloud Computing Used?	🗆 Yes 🛛 No	If "Yes," specify:	Select		
		Server/Device Function					
	Hardware						
		Operating System					
		System Software		tom coftwara			
System Int	torfacos	د	elect + to add sys	stem sonware			
Data Cent		วท	Select				
Data cent		Other, specify					
Security		Access	Public Int	ternal State Staff	🗆 External State Staff		
		(check all that apply)	🗆 Other, specif	y:			
		Type of Information	🗆 Personal 🗆 Health 🗆 Tax 🗆 Financial 🗆 Legal				
		(check all that apply)	Confidential Other, specify:				
		Protective Measures			Authorization and Authentication		
		(check all that apply)	 Physical Secu Other, specification 	rity □Backup and y:	l Recovery		
Data Managem	ent	Data Owner	Name:				
			Title:				
			Business Progra	m:			
Data Custo	odian		Name:				
			Title:				
			Business Progra	m:			
Select +	to add b	usiness functions/processes					
2.10.1 Sc		· ·					
🛛 Alter							
2.10.2 Na	ame						
MOTS Im	plement	ation – Big Bang					



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2.10.3 Description

The **alternative solution #2** will replace the EDD's UI, DI, and PFL systems with one fully integrated MOTS solution. With this alternative, the MOTS solution will be released into production as one release encompassing all BSM required functionality.

This approach will pair the traditional waterfall system development life cycle methodology with a single implementation delivery approach (i.e. "big bang").

The following implementation plan follows the traditional approach to technology projects with a waterfall System Development Life Cycle (SDLC) and "big-bang" delivery approach. In the waterfall model, all phases are sequential and must be closed out before proceeding to the next phase:

Requirements Analysis

All contract requirements are analyzed to ensure a common understanding between the contractor and the State. Any clarifying edits that impact contractor effort must be handled via contract change order. The final updated requirements matrix must then be routed for review and approval prior to proceeding to the Design phase.

System Design

All requirement specifications from the first phase are studied in this phase and the complete system design is prepared. This system design may identify new hardware and system requirements and helps in refining the overall system architecture design. The final System Design is then routed for review and approval prior to proceeding to the Build phase.

Solution Infrastructure

Typically once the System Design is signed off, the System Integrator can move forward with finalizing the solution infrastructure, which is typically done on a "just in time" basis for each of the remaining project phases. This just in time approach does not allow for thorough testing and provides little to no time for rework without incurring schedule delays.

Build

Based entirely on the System Design, and once the system build infrastructure is ready, the System Integrator will then develop the solution and perform system and module integration testing prior to entering the Test phase.

Data Conversion

Typically once an initial system build has been completed, the System Integrator can then begin building data conversion programs between the legacy data sources and the target system. As data conversion in a legacy system replacement project is typically fraught with inherent risks, beginning true data conversion activities this late in the overall project precipitates project delays as implementation approaches.

Test

Once the build phase is complete, the completed system is first "system tested" against the approved System Design artifacts for conformance. System Test is typically a very elementary test event that confirms requirements function as they read in the design, and does not necessarily test for end-to-end business processing efficiency. Once system test is complete, User Acceptance Test (UAT) can begin. System users are now charged with applying a System Design, which was approved up to two years ago, to the system before them that they have never before seen. As expected, users are often not the same users that developed the System Design, and remaining users often forget the original intention of the Design.



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In the best case, converted data is ready to be populated in the UAT environment; however, many times in a waterfall approach, converted data is not available due to the late start in developing conversion programs. As UAT proceeds only with new data, issues with converted data remain undiscovered until much later in the UAT cycle.

Performance Test

Once UAT has achieved a significant pass rate and a sufficient amount of converted legacy data has made it into the system, performance and load testing can begin. At this late stage, infrastructure changes to address poor performance, or application tuning, are difficult and costly at best.

Go-Live

Once all testing is satisfactory, and all workarounds have been developed for items that were discovered too late to be addressed in the approved schedule, the product with a lesser percentage of requirements satisfied is deployed into production. In this model, the project must retain ongoing System Integrator support to remediate all of the latent issues for much longer than originally anticipated.

Approach (Check all that apply):

	Increase staff – new or existing capabilities
\boxtimes	Modify the existing business process or create a new business process
	Reduce the services or level of services provided
\boxtimes	Utilize new or increased contracted services
	Enhance the existing IT system
\boxtimes	Create a new IT system
\boxtimes	Perform a business-based procurement to have vendors propose a solution
	Other, specify:
2.10.4 B	enefit Analysis

Benefits/Advantages

- All new business process and procedures for all the benefits system operations will be implemented at the same time and users will not have to toggle back and forth between new and non-optimized process and procedures on the legacy systems
- Reduces risk of data conversion synchronization as all the data will be populated one time to the new platform and establish a single system of record for the data.
- Daily batch job processing will be simpler compared to trying to sequence the jobs across multiple systems.
- Does not require bridges to existing legacy systems.
- Potential cost savings from early legacy system shutoff and decommissioning.

Select + to add benefits/advantages

Disadvantages

- All SDLC phases are sequential and must be fully closed out before proceeding to the next phase.
- No incremental business value delivered ahead of full production go-live should contractor replacement be required.
- Reduced contract off-ramps will make it more difficult to assess the system integrator performance.
- Late establishment of complete solution infrastructure.
- Long lag time between design and user acceptance testing generates rework and missed expectations.
- Late start to data conversion programming prolongs overall project duration and prevents application of converted data early in testing phases.
- Delayed performance testing start reduces time to correct application or infrastructure capacity issues and complicates corrective actions.
- Converting three customer groups at the same time may increase EDD call volumes after full roll out.
- Will require staff training and OCM for three program areas at the same time.



Multiple defects deferred to post-production will require extended and costly System Integrator support contracts. Select + to add disadvantages

Anticipated Time to Achieve Objectives After Project Go-Live						
Objective Timeframe						
Objective Number	Within 1 Year	2 Years	3 Years	4 Years	Over 4 Years	
1.1	\boxtimes					
1.2		\boxtimes				
1.3		\boxtimes				
2.1		\boxtimes				
3.1		\boxtimes				
4.1	\boxtimes					
4.2	\boxtimes					
4.3	\boxtimes					
4.4	\boxtimes					
4.5 🛛 🖾 🗋 🖾 🖾 🖾 🖾						
Select + to add objectives						
Anticipated Time to Achieve Financial Benefits After Project Go-Live						

Anticipated Time to Achieve Financial Benefits After Project Go-Live					
Financial Benefit	Within 1 Year	2 Years	3 Years	4 Years	Over 4 Years
Increased Revenues					
Cost Savings		\boxtimes			
Cost Avoidance		\boxtimes			
Cost Recovery					
2 4 0 5 4					

2.10.5 Assumptions and Constraints

Select + to add assumptions/constraints

2.10.6 Implementation Approach (deferred to Stage 4)

Identify the type of existing IT system enhancement or new system proposed (check all that apply):

□ Enhance the current system

- Develop a new custom solution
- □ Purchase a Commercial off-the-Shelf (COTS) system
- Purchase or obtain a system from another government agency (Transfer)
- □ Subscribe to a Software as a Service (SaaS) system
- □ Other, specify:

Identify cloud services to be leveraged (check all that apply):

- □ Software as a Service (SaaS) provided by OTech
- Software as a Service (SaaS) provided by commercial vendor
- □ Platform as a Service (PaaS) provided by OTech
- Platform as a Service (PaaS) provided by commercial vendor
- □ Infrastructure as a Service (IaaS) provided by OTech
- □ Infrastructure as a Service (IaaS) provided by commercial vendor



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	leveraged:	Io cloud services will be leveraged by this alternative. Provide a description of why cloud services are not being everaged: The EDD is proposing a business based procurement and per the CDT Preparation Instructions this section is								
	deferred until Stage 4 Project Readiness and Approval									
Ide	ntify who will	modify the existing system	or create the ne	w system (check all	that apply):					
	-	e entity IT staff								
	A vendor wil	vendor will be contracted								
	Inter-agency agreement will be established with another governmental agency. Specify Agency name(s):									
	Other, specif	y:								
Ide	•	ementation strategy:								
\boxtimes	-	ents will be addressed in thi								
	•	ts will be addressed in increm	•							
	•	ements will be addressed in	this proposed pro	oject. The remaining	g requirements will be addressed at a					
	later date.									
Ide		ear when the remaining req chnology for the proposed p			ublic facing:					
					ssion critical and public facing.					
		re Information	The FDD is seen							
Busin	ess Function/	Process(es)		-	sed procurement and per the CDT					
			Preparation Instructions this section is deferred until Stage 4 Project Readiness and Approval.							
Annlia	ration System	n or Component								
	, MOTS or Cus		Select							
		nary Technology:								
Runti		Cloud Computing Used?	🗆 Yes 🗆 No	If "Yes," specify:	Select					
Enviro	onment									
		Server/Device Function								
		Hardware								
		Operating System								
		System Software	select + to add sys	tom coftwara						
Syste	m Interfaces	2	elect + to add sys	stem software						
•	Center Locatio	าท	Select							
2 4 4 4		Other, specify								
Secur	ity	Access	🗆 Public 🗆 Int	ternal State Staff	External State Staff					
		(check all that apply)	🗆 Other, specif	y:						
		Type of Information	Personal	Health 🗆 Tax 🗆	Financial 🗌 Legal					
		(check all that apply)	Confidential	\Box Other, specify:						
Protective Measures		Technical Security I Identity Authorization and Authentication								
		(check all that apply)	\square Physical Security \square Backup and Recovery							
			🗆 Other, specif	y:						
Data		Data Owner	Name:							
Mana	gement									
			Title:							
Dut	Curete all's		Business Program:							
	Custodian		Name:							
Page 2	4									



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Title: Business Program:

Select + to add business functions/processes

2.11 Recommended Solution

2.11.1 Rationale for Selection

In identifying the recommended alternative, the Department evaluated the following criteria as its rationale for selection: 1) Does the approach align with other State workforce agencies?, 2) Does the approach lower risk?, 3) Does the approach reduce costs?, 4) Does the approach provide incremental business value?, and 5) Does the approach reduce program disruption and promote organizational buy-in?

1) The Department's market research has shown that the recommended alternative's software approach has proven successful for the majority of **other State workforce agencies**. This finding aligns with current Gartner research for government agencies with mature lines of business where systems of record are required. Additionally, the EDD has had past prior successes with MOTS product implementations with its ACES and CalJOBS systems which further supports the Department's direction with BSM.

2) The Department's recommended alternative **lowers risk** by a number of means such as releasing the solution in smaller components to allow the EDD to collect and apply lessons learned to future phases of the project; providing for multiple contractor and solution assessment checkpoints throughout the contract, which will provide the EDD visibility and tools to take corrective contract actions when required; and by reducing data conversion risk as conversion will occur in smaller segments early on to test conversion processes and performance and allow for corrections prior to full system cutover.

3) The Department's recommended alternative **reduces costs** by eliminating the need to build costly, risky, throwaway system and data "bridges" between the new and legacy systems, which may cause system stability and synchronization issues, and reduce program quality. The recommended alternative reduces training costs as major programs are moved into the new solution at the same time, eliminating the need for updating training materials and retraining as would be needed if programs were progressively added into the new system. The recommended alternative will also allow the EDD to retire and decommission its multiple legacy systems earlier, quickly eliminating the ongoing legacy system support costs.

4) The Department's recommended alternative has laid out a proposed approach that will provide for the **delivery of incremental business value** throughout the project. The EDD will work with the vendor community through Stage 3 Solution Development to confirm and/or revise this plan as needed to achieve maximum value and efficiency.

5) The Department's recommended alternative greatly **reduces program disruption** and **promotes organizational buyin** by reducing impact to program staff during system transition. The recommended alternative eliminates the need to toggle work between the old and new systems, which would frustrate staff, elongate work processes, require staff rework as errors between systems are discovered, and greatly reduce confidence and buy-in in the new system. The recommended alternative also significantly reduces staff time required for training as major programs are moved into the new solution at the same time. In total, the recommended alternative reduces the overall organizational change impact as staff disruption will have been minimized.

Due to the high-degree of alignment between the recommended alternative and the Department's alternative selection criteria, the EDD proposes that the BSM project procure a MOTS solution to be delivered iteratively while providing incremental business value.

Attach file

2.11.2 Technical/Initial CA-PMM Complexity Assessment

Complexity



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Technical Complexity Score:	2.8		Zone I	Low Criticality/Risk	
		\boxtimes	Zone II/III	Medium Criticality/Risk	
			Zone IV	High Criticality/Risk	
2 11 3 Procurement and Staffing Strategy					

2.11.3 Procurement and Staffing Strategy Activity

Requirements Elicitation

Responsible (check all that apply)	When Needed (check all that apply)	Cost Estimate Verification (check all that apply)
\boxtimes Agency/state entity	Stage 3 Solution	Market research conducted (MR)
staff STP staff	Development ⊠ Stage 4 Project	 ☑ Cost estimate provided (CE) □ CDT CE
 CDT Project Approvals and Oversight staff CA-PMO staff DGS staff Contractor Other, specify: 	Readiness and Approval After project is approved (after Stage 4 Project Readiness and Approval)	 DGS CE Request for Information (RFI) conducted Comparable vendor services have been used on previous contracts (CV) Leveraged Procurement Agreement (LPA)

Complete Only if Contractor Responsible for Activity					
Procurement Vehicle	Other	Contract Type	Fixed Price (FP)		
If "Other," specify:	RFO and subsequent NCB (Amendment)	If "Other," specify:			

Solicitation Development

Responsible (check all that apply)Agency/state entity staffSTP staffCDT Project Approvals and Oversight staffCA-PMO staffDGS staffContractorOther, specify:	When Needed (check all that apply)☑ Stage 3 Solution Development☑ Stage 4 Project Readiness and Approval□ After project is approved (after Stage 4 Project Readiness and Approval)	Verification (check all that apply) Market research conducted (MR) Cost estimate provided (CE) CDT CE DGS CE Request for Information (RFI) conducted Comparable vendor services have been used on previous contracts (CV) Leveraged Procurement Agreement (LPA)	
Complete Only if Contract	tor Responsible for Activity		
Procurement Vehicle	Request for Offer/Information Technology Consulting Services (ITMSA)	Contract Type	Fixed Price (FP)
If "Other," specify:	Click here to enter text.	If "Other," specify:	Click here to enter text.
Cost Estimating			



"Here of ficts"		California Departme	ent of Technology, SIMM 19B, Revision 9/29/2017
Responsible (check all that apply)Agency/state entity staffSTP staffCDT Project Approvals and Oversight staffCA-PMO staffDGS staffContractorOther, specify:	When Needed (check all that apply)Stage 3 Solution DevelopmentStage 4 Project Readiness and ApprovalAfter project is approved (after Stage 4 Project Readiness and Approval)	Comparable vendo contracts (CV)	
	ctor Responsible for Activity		
Procurement Vehicle	None	Contract Type	
If "Other," specify:	Click here to enter text.	If "Other," specify:	Click here to enter text.
Business Analysis			
Responsible (check all that apply)	When Needed (check all that apply)		Cost Estimate Verification (check all that apply)
 Agency/state entity staff STP staff CDT Project Approvals and Oversight staff CA-PMO staff DGS staff Contractor Other, specify: 	 Stage 3 Solution Development Stage 4 Project Readiness and Approval After project is approved (after Stage 4 Project Readiness and Approval) 	 Market research conducted (MR) Cost estimate provided (CE) CDT CE DGS CE Request for Information (RFI) conducted Comparable vendor services have been used on previous contracts (CV) Leveraged Procurement Agreement (LPA) 	
Complete Only if Contra	ctor Responsible for Activity		
Procurement Vehicle	Other	Contract Type	Fixed Price (FP)
If "Other," specify:	RFO and subsequent NCB (Amendment)	If "Other," specify:	Click here to enter text.
Technical Analysis			
Responsible (check all that apply)	When Needed (check all that apply)		Cost Estimate Verification (check all that apply)

Responsible	When Needed	Verification
(check all that apply)	(check all that apply)	(check all that apply)
🛛 Agency/state entity	⊠ Stage 3 Solution	Market research conducted (MR)
staff	Development	⊠ Cost estimate provided (CE)
\Box STP staff	🖾 Stage 4 Project	□ CDT CE
CDT Project Approvals	Readiness and	□ DGS CE
and Oversight staff	Approval	\Box Request for Information (RFI) conducted
CA-PMO staff	🖾 After project is	Comparable vendor services have been used on previous
\Box DGS staff	approved (after Stage 4	contracts (CV)
🖾 Contractor	Project Readiness and	Leveraged Procurement Agreement (LPA)
\Box Other, specify:	Approval)	



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Complete Only if Contractor Responsible for Activity					
Procurement Vehicle	Request for Offer/Information Technology Consulting Services (ITMSA)	Contract Type	Fixed Price (FP)		
If "Other," specify:	Click here to enter text.	If "Other," specify:	Click here to enter text.		

Project Management

Responsible (check all that apply)	(check all that apply)	Verification (check all that apply)
☑ Agency/state entity staff □ STP staff	Stage 3 Solution Development	 Market research conducted (MR) Cost estimate provided (CE) CDT CE
 STP staff CDT Project Approvals and Oversight staff CA-PMO staff DGS staff Contractor Other, specify: 	 Stage 4 Project Readiness and Approval After project is approved (after Stage 4 Project Readiness and Approval) 	 CDT CE DGS CE Request for Information (RFI) conducted Comparable vendor services have been used on previous contracts (CV) Leveraged Procurement Agreement (LPA)

Complete Only if Contractor Responsible for Activity						
Procurement Vehicle	Request for Offer/Information Technology Consulting Services (ITMSA)	Contract Type	Fixed Price (FP)			
If "Other," specify:	Click here to enter text.	If "Other," specify:	Click here to enter text.			

Conduct Procurement

(check all that apply)

Responsible (check all that apply)	When Needed (check all that apply)	Cost Estimate Verification (check all that apply)
🛛 Agency/state entity	⊠ Stage 3 Solution	Market research conducted (MR)
staff	Development	\Box Cost estimate provided (CE)
\boxtimes STP staff	🖾 Stage 4 Project	⊠ CDT CE
CDT Project Approvals	Readiness and	□ DGS CE
and Oversight staff	Approval	\Box Request for Information (RFI) conducted
CA-PMO staff	□ After project is	\Box Comparable vendor services have been used on previous
\Box DGS staff	approved (after Stage 4	contracts (CV)
Contractor Other, specify:	Project Readiness and Approval)	Leveraged Procurement Agreement (LPA)

Complete Only if Contractor Responsible for Activity				
Procurement Vehicle	None	Contract Type		
If "Other," specify:	Click here to enter text.	If "Other," specify:	Click here to enter text.	
Independent Verification and Validation (IV&V)				
Responsible	When Needed	Cost Estimate leeded Verification		

(check all that apply)

(check all that apply)



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 Agency/state entity staff STP staff CDT Project Approvals and Oversight staff CA-PMO staff DGS staff Contractor Other, specify: 	 Stage 3 Solution Development Stage 4 Project Readiness and Approval After project is approved (after Stage 4 Project Readiness and Approval) 	 Market research conducted (MR) Cost estimate provided (CE) CDT CE DGS CE Request for Information (RFI) conducted Comparable vendor services have been used on previous contracts (CV) Leveraged Procurement Agreement (LPA) 	
Complete Only if Contrac	tor Responsible for Activity		
Procurement Vehicle	Request for Offer/Information Technology Consulting Services (ITMSA)	Contract Type	Fixed Price (FP)
If "Other," specify:	Click here to enter text.	If "Other," specify:	Click here to enter text.

Project Oversight

Responsible	When Needed	Cost Estimate Verification
(check all that apply)	(check all that apply)	(check all that apply)
□ Agency/state entity	Stage 3 Solution	Market research conducted (MR)
staff	Development	Cost estimate provided (CE)
□ STP staff	Stage 4 Project	\bowtie CDT CE
⊠ CDT Project Approvals	Readiness and	DGS CE
and Oversight staff	Approval	Request for Information (RFI) conducted
CA-PMO staff	🛛 After project is	Comparable vendor services have been used on previous
□ DGS staff	approved (after Stage 4	contracts (CV)
Contractor	Project Readiness and	Leveraged Procurement Agreement (LPA)
\Box Other, specify:	Approval)	
· ·		

Complete Only if Contractor Responsible for Activity			
Procurement Vehicle	None	Contract Type	
If "Other," specify:	Click here to enter text.	If "Other," specify:	Click here to enter text.

Organizational Change Management

Responsible (check all that apply)	When Needed (check all that apply)	Cost Estimate Verification (check all that apply)
 Agency/state entity staff STP staff CDT Project Approvals and Oversight staff CA-PMO staff DGS staff Contractor Other, specify: 	 Stage 3 Solution Development Stage 4 Project Readiness and Approval After project is approved (after Stage 4 Project Readiness and Approval) 	 Market research conducted (MR) Cost estimate provided (CE) CDT CE DGS CE Request for Information (RFI) conducted Comparable vendor services have been used on previous contracts (CV) Leveraged Procurement Agreement (LPA)

Complete Only if Contractor Responsible for Activity



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Procurement Vehicle	None	Contract Type	
If "Other," specify:	Click here to enter text.	If "Other," specify:	Click here to enter text.

Testing

0					
Responsible (check all that apply)	When Needed (check all that apply)		Cost Estimate Verification (check all that apply)		
Agency/state entity	Stage 3 Solution	Market research c			
staff	Development	\boxtimes Cost estimate prov			
\Box STP staff	Stage 4 Project				
CDT Project Approvals					
and Oversight staff	Approval		estice (DEI) conducted		
CA-PMO staff	\boxtimes After project is	•	nation (RFI) conducted		
□ DGS staff	approved (after Stage 4		or services have been used on previous		
\square Dos stan	Project Readiness and	contracts (CV)			
	Approval)	Leveraged Procurement Agreement (LPA)			
\Box Other, specify:	, (ppi oval)				
Complete Only if Contrac	tor Responsible for Activity				
Procurement Vehicle	Formal Solicitation (IFB/ RFP)	Contract Type Fixed Price (FP)			
If "Other," specify:	Click here to enter text.	If "Other," specify: Click here to enter text.			
Design					
			Cost Estimate		
Responsible	When Needed		Verification		
(check all that apply)	(check all that apply)		(check all that apply)		
Agency/state entity	□ Stage 3 Solution	Market research conducted (MR)			
staff	Development	\Box Cost estimate provided (CE)			
□ STP staff	□ Stage 4 Project	□ CDT CE			
CDT Project Approvals		□ DGS CE			
and Oversight staff	Approval	Request for Information (RFI) conducted			
CA-PMO staff	After project is	□ Comparable vendor services have been used on previous			
\Box DGS staff	approved (after Stage 4	contracts (CV)	contracts (CV)		
	Drainat Donalinana and				

\Box Other, specify:	Approval)		
Complete Only if Contractor Responsible for Activity			
Procurement Vehicle	Formal Solicitation (IFB/ RFP)	Contract Type	Fixed Price (FP)
If "Other," specify:	Click here to enter text.	If "Other," specify:	Click here to enter text.

□ Leveraged Procurement Agreement (LPA)

Project Readiness and

Data Cleansing

⊠ Contractor

		Cost Estimate
Responsible	When Needed	Verification
(check all that apply)	(check all that apply)	(check all that apply)



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 Agency/state entity staff STP staff CDT Project Approvals and Oversight staff CA-PMO staff DGS staff Contractor Other, specify: 	 Stage 3 Solution Development Stage 4 Project Readiness and Approval After project is approved (after Stage 4 Project Readiness and Approval) 	 Market research conducted (MR) Cost estimate provided (CE) CDT CE DGS CE Request for Information (RFI) conducted Comparable vendor services have been used on previous contracts (CV) Leveraged Procurement Agreement (LPA) 		
Complete Only if Contra	ctor Responsible for Activity			
Procurement Vehicle	Formal Solicitation (IFB/ RFP)	Contract Type Fixed Price (FP)		
If "Other," specify:	Click here to enter text.	If "Other," specify: Click here to enter text.		
Data Validation				
Responsible (check all that apply)	When Needed (check all that apply)	Cost Estimate Verification (check all that apply)		
🛛 Agency/state entity	□ Stage 3 Solution	🛛 Market research c	onducted (MR)	
staff	Development	Cost estimate prov	vided (CE)	
\Box STP staff	□ Stage 4 Project	🗆 CDT CE		
CDT Project Approvals		🗆 DGS CE		
and Oversight staff	Approval	Request for Information (RFI) conducted		
CA-PMO staff	After project is	\Box Comparable vendor services have been used on previous		
\Box DGS staff	approved (after Stage 4	contracts (CV)		
☐ Contractor ☐ Other, specify:	Project Readiness and Approval)	Leveraged Procurement Agreement (LPA)		

Complete Only if Contractor Responsible for Activity			
Procurement Vehicle	Formal Solicitation (IFB/ RFP)	Contract Type	Fixed Price (FP)
If "Other," specify:	Click here to enter text.	If "Other," specify:	Click here to enter text.

Data Conversion

Responsible (check all that apply)	When Needed (check all that apply)	Cost Estimate Verification (check all that apply)	
 Agency/state entity staff STP staff CDT Project Approvals and Oversight staff CA-PMO staff DGS staff Contractor Other, specify: 	 Stage 3 Solution Development Stage 4 Project Readiness and Approval After project is approved (after Stage 4 Project Readiness and Approval) 	 Market research conducted (MR) Cost estimate provided (CE) CDT CE DGS CE Request for Information (RFI) conducted Comparable vendor services have been used on previous contracts (CV) Leveraged Procurement Agreement (LPA) 	
Complete Only if Contractor Responsible for Activity			

Complete Only if Contractor Responsible for Activity				
Procurement Vehicle	Formal Solicitation (IFB/ RFP)	Contract Type	Fixed Price (FP)	
If "Other," specify:	Click here to enter text.	If "Other," specify:	Click here to enter text.	



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Responsible (check all that apply)	When Needed (check all that apply)		Cost Estimate Verification (check all that apply)
🛛 Agency/state entity	□ Stage 3 Solution	🛛 Market research o	onducted (MR)
staff	Development	Cost estimate pro	vided (CE)
□ STP staff	□ Stage 4 Project	🗆 CDT CE	
CDT Project Approvals		🗆 DGS CE	
and Oversight staff	Approval	oxtimes Request for Inform	nation (RFI) conducted
\Box CA-PMO staff	After project is	Comparable vend	or services have been used on previous
DGS staff	approved (after Stage 4	contracts (CV)	
⊠ Contractor	Project Readiness and	Leveraged Procure	ement Agreement (LPA)
□ Other, specify:	Approval)		
Complete Only if Contra	ctor Responsible for Activity	I	
Procurement Vehicle	Formal Solicitation (IFB/ RFP)	Contract Type	Fixed Price (FP)
If "Other," specify:	Click here to enter text.	If "Other," specify:	Click here to enter text.
Training			
		Cost Estimate	
Responsible	When Needed	Verification	
(check all that apply)	(check all that apply)	(check all that apply)	
Agency/state entity staff	Stage 3 Solution Development	⊠ Market research conducted (MR)	
\Box STP staff	Stage 4 Project	Cost estimate provided (CE)	
CDT Project Approvals			
and Oversight staff	Approval	□ DGS CE ⊠ Request for Information (RFI) conducted	
\Box CA-PMO staff	\boxtimes After project is	·	
□ DGS staff	approved (after Stage 4	contracts (CV)	or services have been used on previous
\boxtimes Contractor	Project Readiness and		ement Agreement (LPA)
\Box Other, specify:	Approval)		ement Agreement (LFA)
	tor Responsible for Activity	Contract T	
Procurement Vehicle	Formal Solicitation (IFB/ RFP)	Contract Type	Fixed Price (FP)
If "Other," specify:	Click here to enter text.	If "Other," specify:	Click here to enter text.
Integration/Developme	nt		
		Cost Estimate	
Responsible	When Needed	Verification	
(check all that apply)	(check all that apply)	Markot recearch a	(check all that apply)
☑ Agency/state entity staff	Stage 3 Solution Development	☐ Market research conducted (MR)	
31011		Cost estimate provided (CE)	
\Box STP staff	□ Stage 4 Project		

Data Migration

		Cost Estimate
Responsible	When Needed	Verification
(check all that apply)	(check all that apply)	(check all that apply)
🛛 Agency/state entity	□ Stage 3 Solution	☑ Market research conducted (MR)
staff	Development	Cost estimate provided (CE)
□ STP staff	🗆 Stage 4 Project	□ CDT CE
CDT Project Approvals	Readiness and	□ DGS CE
and Oversight staff	Approval	Request for Information (RFI) conducted
CA-PMO staff	🛛 After project is	Comparable vendor services have been used on previous
\Box DGS staff	approved (after Stage 4	contracts (CV)
🖾 Contractor	Project Readiness and	Leveraged Procurement Agreement (LPA)
\Box Other, specify:	Approval)	



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Complete Only if Contractor Responsible for Activity				
Procurement Vehicle	ocurement Vehicle Formal Solicitation (IFB/ RFP) Contract Type Fixed Price (FP)			
If "Other," specify:	Click here to enter text.	If "Other," specify:	Click here to enter text.	

Contract Management

Responsible	When Needed	Cost Estimate Verification
(check all that apply)	(check all that apply)	(check all that apply)
🛛 Agency/state entity	⊠ Stage 3 Solution	Market research conducted (MR)
staff	Development	⊠ Cost estimate provided (CE)
\Box STP staff	🖾 Stage 4 Project	□ CDT CE
🗆 CDT Project Approvals	Readiness and	🗆 DGS CE
and Oversight staff	Approval	\Box Request for Information (RFI) conducted
CA-PMO staff	🛛 After project is	Comparable vendor services have been used on previous
□ DGS staff	approved (after Stage 4	contracts (CV)
Contractor	Project Readiness and	Leveraged Procurement Agreement (LPA)
\Box Other, specify:	Approval)	

Complete Only if Contractor Responsible for Activity			
Procurement Vehicle	None	Contract Type	
If "Other," specify:	Click here to enter text.	If "Other," specify:	Click here to enter text.

Enterprise Architecture

Responsible (check all that apply)	When Needed (check all that apply)	Cost Estimate Verification (check all that apply)
🖾 Agency/state entity	⊠ Stage 3 Solution	Market research conducted (MR)
staff	Development	⊠ Cost estimate provided (CE)
□ STP staff	🖾 Stage 4 Project	□ CDT CE
CDT Project Approvals	Readiness and	□ DGS CE
and Oversight staff	Approval	Request for Information (RFI) conducted
CA-PMO staff	🛛 After project is	\Box Comparable vendor services have been used on previous
□ DGS staff	approved (after Stage 4	contracts (CV)
Contractor	Project Readiness and	Leveraged Procurement Agreement (LPA)
\Box Other, specify:	Approval)	

Complete Only if Contractor Responsible for Activity			
Procurement Vehicle	None	Contract Type	
If "Other," specify:	Click here to enter text.	If "Other," specify:	Click here to enter text.

Quality Assurance

		Cost Estimate
Responsible	When Needed	Verification
(check all that apply)	(check all that apply)	(check all that apply)



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 Agency/state entity staff STP staff CDT Project Approvals and Oversight staff CA-PMO staff DGS staff Contractor Other specify: 	 Stage 3 Solution Development Stage 4 Project Readiness and Approval After project is approved (after Stage 4 Project Readiness and Approval) 	 Market research conducted (MR) Cost estimate provided (CE) CDT CE DGS CE Request for Information (RFI) conducted Comparable vendor services have been used on previous contracts (CV) Leveraged Procurement Agreement (LPA) 	
Other, specify: Complete Only if Contract	Approval) ctor Responsible for Activity		
	Request for Offer/Information	Contract Type	Fixed Price (FP)

Floculement venicle	Technology Consulting Services (ITMSA)	contract type	
If "Other," specify:	Click here to enter text.	If "Other," specify:	Click here to enter text.

Technical Installation of Hardware

Desnonsible	When Needed	Cost Estimate Verification
Responsible (check all that apply)	(check all that apply)	(check all that apply)
Agency/state entity	□ Stage 3 Solution	Market research conducted (MR)
staff	Development	☑ Cost estimate provided (CE)
□ STP staff	🗆 Stage 4 Project	□ CDT CE
CDT Project Approvals	Readiness and	□ DGS CE
and Oversight staff	Approval	Request for Information (RFI) conducted
CA-PMO staff	🛛 After project is	Comparable vendor services have been used on previous
DGS staff	approved (after Stage 4	contracts (CV)
🖾 Contractor	Project Readiness and	Leveraged Procurement Agreement (LPA)
\Box Other, specify:	Approval)	

Complete Only if Contractor Responsible for Activity				
Procurement Vehicle	Formal Solicitation (IFB/ RFP) Contract Type Fixed Price (FP)			
If "Other," specify:	Click here to enter text.	If "Other," specify:	Click here to enter text.	

Technical Installation of Software

Responsible (check all that apply)	When Needed (check all that apply)	Cost Estimate Verification (check all that apply)
⊠ Agency/state entity	□ Stage 3 Solution	⊠ Market research conducted (MR)
staff	Development	☑ Cost estimate provided (CE)
\Box STP staff	Stage 4 Project	□ CDT CE
CDT Project Approvals	Readiness and	□ DGS CE
and Oversight staff	Approval	Request for Information (RFI) conducted
□ CA-PMO staff	After project is	\Box Comparable vendor services have been used on previous
DGS staff	approved (after Stage 4	contracts (CV)
🖾 Contractor	Project Readiness and	Leveraged Procurement Agreement (LPA)
□ Other, specify:	Approval)	

Complete Only if Contractor Responsible for Activity



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Procurement Vehicle	Formal Solicitation (IFB/ RFP)	Contract Type	Fixed Price (FP)
If "Other," specify:	Click here to enter text.	If "Other," specify:	Click here to enter text.

Maintenance

Responsible (check all that apply)☑ Agency/state entity staff☑ STP staff☑ CDT Project Approvals and Oversight staff☑ CA-PMO staff☑ DGS staff☑ Contractor☑ Other, specify:	When Needed (check all that apply) Stage 3 Solution Development Stage 4 Project Readiness and Approval After project is approved (after Stage 4 Project Readiness and Approval)	contracts (CV)	vided (CE)	used on pre	evious
Complete Only if Contrac	tor Responsible for Activity				
Procurement Vehicle	Formal Solicitation (IFB/ RFP)	Contract Type	Fixed Price (FP)		
If "Other," specify:	Click here to enter text.	If "Other," specify:	Click here to enter	r text.	
Select + to add activities					
				Yes	No

Will any of the activities identified above result in a competitive or non-competitive solicitation that will be over the Agency/state entity's DGS delegated purchasing authority?

2.11.4 Enterprise Architecture Alignment

Attachment I 2.11.4 identifies existing EDD enterprise capabilities that will be leveraged for the BSM Project.



Information Technology Capability Table				
Information Technology Capability	Existing Enterprise Capability to be Leveraged	New Enterprise Capability Needed		
Public or Internal Portal/Website		\boxtimes		
Public or Internal Mobile Application		\boxtimes		
Enterprise Service Bus		\boxtimes		
Identity and Access Management	\boxtimes			
Enterprise Content Management (including document scanning and eForms capabilities)	\boxtimes			
Business Intelligence and Data Warehousing	\boxtimes			
Master Data Management		\boxtimes		



"Telefor or Ticcast"	California Department of Technology, SIMM 19B, Revision 9/29/20
Big Data Analytics	
2.11.5 Project Phases	
Phase 1	
Description	Phase Deliverable
Infrastructure and Core Data Model	 Complete solution hardware infrastructure design, installation, and configuration, including disaster recovery. All necessary solution, database, and server software will be installed in all required environments (development, conversion, test, training, performance, production) with a base configuration and core data model. Any infrastructure and application monitoring tools will also be setup and tested for providing base functionality for use in future phases The vendor will also establish and prove solution DevOps tasks such as configuration management tools, build and deploy processes, and server patching. In this release, the interface and batch processing architecture will also be established and tested for base connectivity and functionality.
Phase 2	J
Description	Phase Deliverable
Non-Automated Tasks/Processes	 Automation of paper based functions will be configured using the COTS software / and or Modified to meet EDD business requirements. User Acceptance Testing, Training, Knowledge Transfer Activities and OCM related to the scope of the Phase will be conducted.
Phase 3	
Description	Phase Deliverable
Non–Core Systems	 Non-Core Systems like FRAUD, Collections, Security and Audit capabilities features which are stand alone functions of the COTS product will be implemented to meet EDD business requirements. The existing legacy applications doing these functions will be retired and decommissioned. User Acceptance Testing, Training, Knowledge Transfer Activities and OCM related to the scope of the Phase will be conducted.
Phase 4	
Description	Phase Deliverable
Web and Mobility platform Read only functions	 Read only functions and features will be implemented using Web and Mobility platforms. This



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will tremendously help with data accuracy and
decrease the number of customer calls.

- The existing legacy applications doing these functions will be retired and decommissioned.
- User Acceptance Testing, Training, Knowledge Transfer Activities and OCM related to the scope of the Phase will be conducted.

Phase

5

Description	Phase Deliverable
UI, DI, and PFL system functionality	 UI, DI, and PFL systems will be replaced by the new COTS product, this will include complete cutover from legacy systems to the new solution. The existing legacy apps doing these functions will be retired and decommissioned.
	 User Acceptance Testing, Training, Knowledge Transfer Activities and OCM related to the scope of the Phase will be conducted.

Select + to add project phases

2.11.6 High Level Proposed Project Schedule				
Proposed Project Planning Start Date:	1/1/2017	Proposed Proje Planning End D		21
Proposed Project Start Date:	8/3/2021	Proposed Proje Date:	ect End Date pic	ker
Activity Name			Start Date	End Date
Stage 3 Solution Development			7/2/2018	12/31/2019
Solicitation Development			7/2/2018	4/5/2019
Solicitation Package Review			4/8/2019	9/30/2019
Pre-solicitation for Industry Comme	ents		10/1/2019	12/31/2019
Solicitation Release			1/2/2020	1/26/2021
Stage 4 Project Readiness and Appr	oval		1/2/2020	6/30/2021
Solicitation Negotiations			2/23/2021	4/19/2021
Solicitation Award			4/21/2021	7/30/2021

Select + to add activities

2.11.7 Cost Summary	
Total Proposed Planning Cost:	\$47,342,979
Total Proposed Project Cost:	TBD prior to Stage 4 submission
Total Proposed Future Operations IT Staff & OE&E Costs (Continuing):	TBD prior to Stage 4 submission
Total Proposed Annual Future Operations IT Costs (M&O):	TBD prior to Stage 4 submission



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2.12 Staffing Plan 2.12.1 Administrative

The EDD's Administration Branch includes:

- Business Operations, Planning, and Support Division (BOPSD) which administers EDD facilities, procurements, and contracts.
- Fiscal Programs Division (FPD) provides a wide range of fiscal services including accounting and budgetary services.
- Human Resources Services Division which administers EDD's hiring, and staff training.

The BSM Project will utilize existing Administration Branch State staff for facility services, procurements, contracts, budgetary, accounting, and HR related services. The EDD has identified SMEs from each of these areas to assist the BSM project. While not a permanent part of the Project team, they will respond to specific requests as needed.

The Administration Branch Deputy Director is a member of the BSM ESC.

2.12.2 Business Program

The BSM Project has identified and established Business Program Leads and SMEs from UI, DI, and Tax that are dedicated to the BSM Project. The UI, DI, and Tax Deputy Directors are members of the BSM ESC.

The Project will use State staff to the extent the necessary skillsets exist and are available. Some positions will be established and funded through the annual Budget Change Proposal (BCP) process. These BCP positions will be filled via the State's existing hiring process and procedures. Others will be loaned from the EDD program areas. Loaned staff will be appointed by the respective management teams from UI, SDI, and Tax program areas based on their knowledge, experience and skills.

Additional Program area staff will serve as SMEs. While not a permanent part of the Project team, they will respond to specific requests as needed.

2.12.3 Information Technology (IT)

The BSM Project has identified and established the BSM Project Director, Project Management Office (PMO) and the Technical Project Management Team within the EDD's IT Branch. The IT Branch Deputy Director, EDD Chief Information Officer, is a member of the ESC.

The Project will use State staff to the extent the necessary skillsets exist and are available. Some positions will be established and funded through the annual BCP process. These BCP positions will be filled via the State's existing hiring process and procedures. Others will be loaned from the various divisions within the Information Technology Branch (ITB). Loaned staff will be appointed by the respective management teams from the ITB based on their knowledge, experience and skills.

Additional ITB staff will serve as SMEs. While not a permanent part of the Project team, they will respond to specific requests as needed.

Contractors will be utilized on the project when State staff do not possess the necessary skills or the roles are of a temporary nature. The project will follow standard EDD procurement processes in compliance with applicable laws and regulations.

2.12.4 Testing

The EDD will utilize a combination of ITB, Program, and vendor resources for the overall testing effort. The Project will use State staff to the extent the necessary skillsets exist and are available. Some positions will be established and funded through the annual BCP process. These BCP positions will be filled via the State's existing hiring process and procedures. Others will be loaned from the various divisions within the ITB and program areas. Loaned staff will be appointed by the respective management teams based on their knowledge, experience and



skills. The BSM Testing team will include a Test Manager to provide guidance for the overall testing. Responsibilities for the Test Manager and testing team will include the development, review and approval of the test plan, test scope, test approach, defect management plan, defect severity classification, pass/fail criteria for test cases, identifying and raising any risks related to testing throughout the effort and monitoring all test phases (Unit, Integration, System, Performance, etc.) and types of testing (e.g. – Black Box, White Box, Regression, Stress, etc.) throughout the BSM effort. The EDD has an established Enterprise Testing Office that it can leverage existing resources when necessary. The EDD may supplement the state staff with expert vendor resources and testing software.

2.12.5 Data Conversion/Migration

The BSM Project will require the conversion/migration of existing data from the UI, DI, and PFL systems. Data migration activities will begin during the PAL and continue throughout the design, development, and implementation (DDI) activities. Data conversion/migration activities will include:

- Design data conversion/migration infrastructure
- Procure and install the data conversion/migration infrastructure
- Procure a team of data conversion/migration SMEs (Vendor)
- Data mapping
- Data cleanup
- Develop a single common data model and repository
- Develop data conversion/migration test plans
- Execute data conversion/migration of the existing UI, DI, and PFL data to one common data platform
- Continually extract, transfer load, and test the existing UI, DI, and PFL systems data into the single repository

The Project will use State staff to the extent the necessary skillsets exist and are available. Some positions will be established and funded through the annual BCP process. These BCP positions will be filled via the State's existing hiring process and procedures. Others will be loaned from the various divisions within the ITB. Loaned staff will be appointed by the respective management teams from the ITB based on their knowledge, experience and skills. The EDD will enter into an agreement with a data conversion vendor to assist the EDD with the conversion/migration. Additional ITB staff will serve as SMEs. While not a permanent part of the Project team, they will respond to specific requests as needed.

2.12.6 Training and Organizational Change Management

The EDD plans to prepare their stakeholders for the upcoming project by establishing the BSM OCM and Training teams. An OCM manager and OCM team will be established for the Project. In addition to the BSM OCM team, the Department has existing OCM teams in UI, DI, and Tax Branch that will be leveraged throughout the project lifecycle. The Department also plans to leverage consultant services for OCM support. The EDD has also reached out to other large State of California legacy system replacement projects (i.e. Franchise Tax Boards' Enterprise Data to Revenue) to gather their best practices for application to the BSM Project. The EDD will begin the OCM activities during the PAL and continue throughout the DDI phases of the project.

The Project will use State staff to the extent the necessary skillsets exist and are available. Some positions will be established and funded through the annual BCP process. These BCP positions will be filled via the State's existing hiring process and procedures. Others will be loaned from the various divisions within the ITB and program areas. Loaned staff will be appointed by the respective management teams based on their knowledge, experience and skills.

The BSM project will kick off the OCM activities with envisioning training sessions with EDD Executive management that will focus on the following:

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- Obtain guidance, direction and expectations from designated EDD Leadership regarding the future of EDD
 program delivery. This input will set the foundation for the creation of new business processes that are
 more efficient, improve results and enhance the customer experience.
- Guiding EDD Leadership through change and enable them to support program and project team staff during the development of the new benefits system "To-Be" processes and requirements.

The BSM OCM team will continually work with the stakeholders educating them about the changes, providing them the opportunity to buy in to the vision and structure of the change, and eventually adopt the change. The team will seek to prepare staff and the EDD organization to the new processes and technology through services that educate the staff about the change and how they will successfully perform their responsibilities in the new system. The formation of this team of state staff and consultants, along with leveraging existing OCM teams, prior project experiences, will ensure that the project's OCM activities are managed successfully through project completion.

2.12.7 Resource Capacity/Skills/Knowledge for Stage 3 Solution Development

For Stage 3 Solution Development the EDD will utilize a combination of BSM dedicated resources, EDD SMEs, vendor resources, and CDT's Statewide Technology Procurement team for developing the System Integrator Request for Proposal (RFP). The Project will use State staff to the extent the necessary skillsets exist and are available. Some positions will be established and funded through the annual BCP process. These BCP positions will be filled via the State's existing hiring process and procedures. Others will be loaned from the various divisions within the EDD business and program areas. Loaned staff will be appointed by the respective management teams based on their knowledge, experience and skills.

The BSM ESC and the EDD legal counsel will participate in the review and approval of the BSM RFP.

2.12.8 Project Management 2.12.8.1 Project Management Risk As	sessment
Project Management Risk Score:	1.4
Attach file to email submission.	Attachment J 2.12.8.1 Project Man
2.12.8.2 Project Management Plannir	g

Are the following project management plans or project artifacts complete, approved by the designated Agency/state entity authority, and available for Department of Technology review?

Project Charter	Yes	Completed
Scope Management Plan	No	In progress
Risk Management Plan	Yes	Completed
Issue and Action Item Management	Yes	Completed
Plan	105	completeu
Communication Management Plan	No	In progress
Schedule Management Plan	No	In progress
Human Resource Management Plan	No	In progress
Staff Management Plan	No	In progress
Stakeholder Management Plan	No	In progress
Governance Plan	Yes	Completed



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2.12.9 Organization Charts

Attachment K 2.12.9 provides a high level visual of the proposed BSM project team.



Attachment K 2.12.9 High Level Org Char

2.13 Data Conversion/Migration

Identify the status of each of the following data conversion/migration activities:

Data Conversion/Migration Planning	In Progress	Data Quality Assessment	Not Started
Data Conversion/Migration			
Requirements	Not Started	Data Quality Business Rules	Not Started
Current Environment Analysis	Not Started	Data Dictionaries	In Progress
Data Profiling	Completed	Data Cleansing and Correction	Not Started

- As-Is data dictionary is attached above.
- Data Profiling activity will be completed prior to Stage 4 Project Readiness and Approval.
- Known legacy system data sources that will potentially be used for the data conversion activities have been identified.
- EDD's IT Branch is in the process of conducting a data archival and purge effort that is anticipated to complete by summer 2021, which will significantly reduce the volume of data stored by the EDD thereby reducing conversion complexity.
- The EDD is procuring the services of a data conversion/migration consultant to assist the Department in its data conversion planning efforts during the PAL timeframe.

Attachment: Attach files to email submission.

2.14 Financial Analysis Worksheets

The attached Financial Analysis Worksheets (FAW) identify the existing system costs to operate the current UI and SDI programs, and the proposed project planning costs through SFY 20/21. The EDD met with representatives from the California Department of Technology and the Department of Finance, and an agreement was reached that the EDD will update the FAWs with full project costs at an appropriate future date based upon refined project data gathered through the Stage 3 Solution Development process.

Preliminary Assessment – Department of Technology Use Only			
Original "New Submission" Date	1/27/2017		
Form Received Date	6/7/2018		
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Form Disposition	Approved
Form Disposition Date	10/15/2018