

# CA - PMM

**Project Name:** Expand External Interfaces -Oracle Upgrade

**OCIO Project #:** 7980-

**Department:** California Student Aid Commission

**Revision Date:**

## Concept Statement

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### Description

**Brief description of the proposed project:**

This project is will be done in collaboration with the Department of Education (CDE) to develop a web service interface with the CDE for sending and receiving financial aid information. This would allow CSAC and CDE to share any information required by the California Education Code for processing all grant types for the State of California.

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### Need Statement

**High Level Functional Requirements:**

CSAC will need to upgrade the current Oracle 10g version of software to the latest version. This effort will include updating and verifying that all code, stored procedures and packages developed in version 10g are updated to maintain the original functionality .

**What is Driving This Need?**

CSAC needs to maintain current versions of software to ensure that the maintenance agreements is valid. Also to ensure that security is not impacted by newer versions of software.

**Risk to the Organization if This Work is Not Done:**

The CSAC would continue to process in the current version but in time the vendor will not longer support the version which could also lead to security compromises.

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## Benefit Statement

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### Intangible Benefits

**Process Improvements** (describe the nature of the process improvement):  
CalGrants is the main mission of CSAC so ensuring the integrity and longevity of the system is critical to the agency. With the upgrade the grant system will have software maintenance and technical supported.

**Other Intangible Benefits:**  
Students using the CSAC web sites to view eligible school lists and other resources will have up to date information.

### Tangible Benefits

**Revenue Generation** (describe how revenue will be generated):  
Longevity of the system and technical support if need to support the overall mission of the Grant system for the State of California.

**Cost Savings** (describe how cost will be reduced):  
There is not specific cost savings unless something goes wrong with the outdated software. Then the State would potentially be charged extra to correct it.

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**Cost Avoidance** (describe the cost and how avoided):  
 Utilizing experienced CSAC staff to upgrade the system instead of hiring vendors who are not familiar with the system to know and understand if their is an impact to the functionality.

**Risk Avoidance** (describe the risk and how avoided):  
 CSAC will install the upgrade in a test environment al test all processes of the application to ensure the functionality remains the same. If there is any visual changes to the WebGrants screens due to the upgrades, CSAC will communicate with all their stakeholders to eliminate any confusion.

**Improved Services:**  
 CSAC IT staff will work with the business staff and end users to ensure no interruption of service and that all functionality and services remain the same.

### Consistency

"No" Responses 		Rationale	Action Required
Enterprise Architecture	Yes	Reuse and share existing tables and stored procedures.	
Business Plan	Yes	Upgrade software, verify all functionality and migrate.	
Strategic Plan	Yes	Provide information to all stakeholders to process grants for students pursuing a post high school education.	

### Impact to Other Entities

#### Nature of Impact to Other Entities

**Entity:**  
 Describe the nature of the impact:  
 If the upgrade changes functionality, the Commission will have to make code changes where necessary to restore the original functionality to provide the California's educational segments. public and private stakeholders with all the information timely for them to provide needed financial services to California

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California's educational segments, public and private stakeholders that all the information timely for them to provide needed financial services to California students pursuing a post high school education.

**Entity:**

*Describe the nature of the impact:*

Students will be able to use the data for processing applications for all specialized grant types. Ability to provide them with data timely will allow CSAC to award and pay applicants timely.

**Entity:**

*Describe the nature of the impact:*

Educational Institutions will be able to use this data as a resource when determining eligibility. The institutions must verify enrollment and process applicant for payments. The institution will then receive the warrant and issue the warrant to the applicants.

**Entity:**

*Describe the nature of the impact:*

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### Solution Alternatives

#### Alternative 1:

Procure software upgrade, install on a test environment to ensure that the code, stored procedures and functionality remains the same. Test the entire system for impacts, verify all inputs and outputs are accurate and no anomalies occur. Any impacts need to be corrected and retested to ensure no functionality is lost or changed.

#### Technical Considerations for Alternative 1:

This solution will comply with the CSAC strategic direction of providing real time information and improving data exchange. The solution will reuse existing web services processes and existing table structure. These changes will be essential to allow for ongoing maintenance and technical support for our system.

ROM Cost: \_\_\_\_\_ to \_\_\_\_\_

**Note: high end of range must not exceed 200% of low end of range**

#### Alternative 2:

Continue with existing software version.

#### Technical Considerations for Alternative 2:

None until the software is no longer under maintenance agreement and loss of technical support.

ROM Cost: \_\_\_\_\_ to \_\_\_\_\_

**Note: high end of range must not exceed 200% of low end of range**

#### Alternative 3:

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Technical Considerations for Alternative 3:	
ROM Cost: _____ to _____	Note: high end of range must not exceed 200% of low end of range

### Recommendation

**Comparison:**

Alternative 1	ROM Cost	Risk
Upgrade Oracle Software	\$0 - \$0	
Alternative 2	ROM Cost	Risk
Status Quo	\$0 - \$0	<i>schedule and budget risks when forced to change</i>
Alternative 3	ROM Cost	Risk
	\$0 - \$0	

**Conclusions:**

1	Complete Alternative 1 to meet all the requirements while staying in budget, scope and costs.
2	
3	
4	

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**Recommendation:**

Alternative 1 will provide up to date software, maintenance and technical support our WebGrants system and all other grant programs that CSAC supports for the State of California. The California Education Code requires CSAC to administer and maintain the grant processing system for the State of California as well as provide information to all stakeholders and students. CSAC will ensure on going longevity of the system.

### Project Approach *(if known)*

<b>System Complexity:</b>		System Business Hours: <i>(e.g., 24x7, 9am-5pm)</i> :			
Architecture	<input type="checkbox"/> Mainframe <input checked="" type="checkbox"/> Client Server <input checked="" type="checkbox"/> Web Based			Num. of New Databases:	existing
Technology	<input type="checkbox"/> New <input type="checkbox"/> New to Staff <input checked="" type="checkbox"/> In-House Experience			Interfaces:	External
Implementation	<input checked="" type="checkbox"/> Central Site <input type="checkbox"/> Phased Roll-out			Num. of Sites:	1
M & O Support	<input type="checkbox"/> Contractor <input type="checkbox"/> Data Center <input checked="" type="checkbox"/> Project <input checked="" type="checkbox"/> In House				
Procurement Approach: Procure the Oracle software including maintenance and any technical support via CMAS.				Number of Procurements:  1	
Open Procurement?	Yes	Delegated Procurement?			
Scope of Contract	<input type="checkbox"/> Development <input type="checkbox"/> Implementation <input type="checkbox"/> M & O <input checked="" type="checkbox"/> Other: Software upgrade				
Anticipated Length of Contract:	3	Years /	extensions for	years	