



**FI\$Cal**

*Financial Information System for California*

# Interfaces and Conversions

2017/2018 Release Departments

March 2016

# Enterprise Integration Team

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- Who are we?

We are your support team for interface and conversion activities

- How will we support you?

- Conversion and interface inventory determination
- Department interface development recommendations
- File layout clarification
- Data mapping guidance and cleansing recommendations
- Conversion and interface testing assistance
- Data validation/review support
- Ongoing conversion and interface related outreach activities

- Meet the team

# Conversion versus Interface

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## ■ Conversion

Data conversion is the process in which data is extracted from its current sources (e.g., existing legacy systems, hardcopies, spreadsheets, document images, etc.) and transformed and loaded to a new system.

Conversions are used to transfer data from the legacy data source to FI\$Cal and are typically used on a one-time basis.

## ■ Interface

An interface is a mechanism through which two separate computer systems exchange information

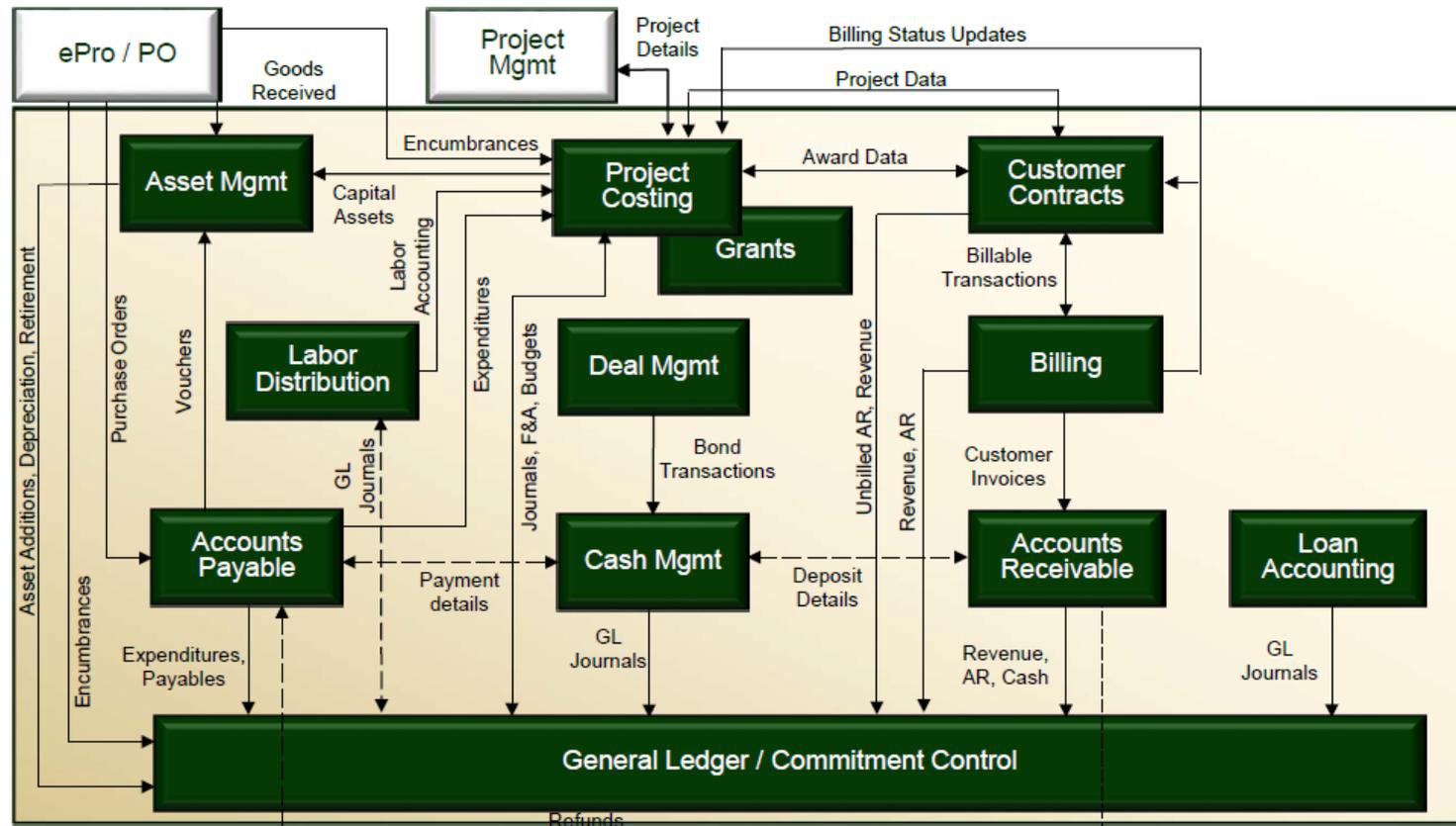
Interfaces are used to exchange/update/send/receive data between FI\$Cal and other legacy systems on an ongoing basis, if needed.

# Conversions Scope

| Module | ID        | Description                    | CALSTARS |
|--------|-----------|--------------------------------|----------|
| AP     | CNVAP001  | Vendors (external + employees) | Yes      |
| AP     | CNVAP004  | Unreconciled AP Payments       |          |
| AP     | CNVAP005  | 1099 Balances                  |          |
| AR     | CNVAR001A | Customers                      |          |
| AR     | CNVAR002  | Open Receivables               |          |
| GL     | CNVGL008  | Ledger Balances                |          |
| PC     | CNVPC002A | Projects                       |          |
| PC     | CNVPC002B | Project Activities             |          |
| PO     | CNVPO107  | Open POs                       |          |
| AM     | CNVAM001  | Assets                         | No       |
| AR     | CNVAR001B | Customer Contacts              |          |
| CA     | CNVPC003  | Customer Contracts             |          |
| GL     | CNVGL009  | Commitment Control             |          |
| GM     | CNVGM001  | Grants                         |          |
| PC     | CNVPC002C | Project and Activity Teams     |          |
| PC     | CNVPC002D | Funds Distribution Rules       |          |
| PO     | CNVPO104  | Procurement Contracts          |          |

# Interfaces Scope

- FI\$Cal modules can interface to external systems
- Current interfaces are SFTP based



# Next Steps / Activities

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- Department Tasks
  - Respond to Conversion/Interface Outreach Questionnaire
  - Create 'As-Is' department system and data source diagrams
  - Begin identifying interfaces needed by the department
- Global Analyze Outcome
  - Development of interface and conversion inventory lists by department
  - Determination of any new interfaces and conversions needed

# Next Steps / Activities (continued)

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- Post Global Analyze
  - Conversion Kickoff Session
  - Interface Kickoff Session
  - Layout Workshops
  - Ongoing Work Sessions

# Questions

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FI\$Cal Project Information:

<http://www.fiscal.ca.gov/>

or e-mail the FI\$Cal Project  
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# Conversions Scope

| Module | RICEF                               | Description   | CALSTARS |
|--------|-------------------------------------|---|----------|
| AP     | CNVAP001 – Vendors                  | An entity that the department is actively doing business with and currently used on Procurement and Accounting Transactions. ( i.e. Claim Schedules, Remittance Advice and Reportable Payment). This conversion will include Grantees and Government Agencies, but not Employee Information.                      | Yes      |
| AP     | CNVAP004 – Unreconciled AP Payments | Any outstanding AP check (Office Revolving Fund (ORF), General Cash, or Agency Revolving Fund) which has not been reconciled with the bank. Claims and warrants are not included in this conversion. Only the payments which are paid but unreconciled with the bank at the time of conversion will be converted. |          |
| AP     | CNVAP005 – 1099 Balances            | 1099 balance information for any vendor which has been paid by the department in the current calendar year, for which a 1099 will need to be produced.  |          |

# Conversions Scope (continued)

| Module | RICEF                          | Description  | CALSTARS |
|--------|--------------------------------|--|----------|
| AR     | CNVAR001A – Customers          | An entity which receives goods or services from a department and/or owes money to the State, such as corporations, individuals, and other departments.   | Yes      |
| AR     | CNVAR002 – Open Receivables    | Open/outstanding receivables for the department. These are moneys that are owed to the department.   |          |
| GL     | CNVGL008 – Ledger Balances     | Ledger Balances and Transactions. A conversion is required for departments who are converting project data to FI\$Cal using the automated approach and who track project expenditures and revenue today. |          |
| PC     | CNVPC002A – Projects           | Open projects at the time of Go-Live. This conversion includes the project structure.  |          |
| PC     | CNVPC002B – Project Activities | Project activity (Work Phases/Tasks) associated with projects included in the project conversion (CNVPC001A).  |          |

# Conversions Scope (continued)

| Module | RICEF                         | Description  | CALSTARS |
|--------|-------------------------------|--|----------|
| PO     | CNVPO107 – Open POs           | All open encumbrances at the time of departmental Go-Live within FI\$Cal, as well as subcontractors associated with any of the open encumbrances.  | Yes      |
| AM     | CNVAM001 – Assets             | All assets for the State of California which are in-service (not retired). Capital (equal and over \$5K) and Non-Capital (under \$5K) assets will be converted into the FI\$Cal system and include all tangible and intangible assets used in State Government's operations. | No       |
| AR     | CNVAR001B – Customer Contacts | An individual associated with the customer who serves as a contact for the customer for invoices, payments, and/or collection activities. Only contacts associated with customers included in the customer conversion (CNVAR001A) file will be converted into FI\$Cal.       |          |
| CA     | CNVPC003 – Customer Contracts | Any open Customer Contracts (e.g. Reimbursement Contracts, Interagency Billing agreements, Grants) at the time of departmental Go-Live within FI\$Cal.   |          |

# Conversions Scope (continued)

| Module | RICEF                                  | Description   | CALSTARS |
|--------|--|---|----------|
| GL     | CNVGL009 – Commitment Control          | A conversion is required for departments who are converting project data to FI\$Cal using the automated approach and who track project budgets today. FI\$Cal is using commitment control to support the establishment of spending authority at differing levels within State government. | No       |
| GM     | CNVGM001 – Grants                      | Open grants which have been awarded from the Federal Government; Grants issued by the department are not included in this conversion.   |          |
| PC     | CNVPC002C – Project and Activity Teams | Information on team members who are assigned to a project. Project teams should only be converted for project IDs that were also part of the project structure conversion file (CNVPC001A).   |          |

# Conversions Scope (continued)

| Module | RICEF                                | Description   | CALSTARS |
|--------|--------------------------------------|---|----------|
| PC     | CNVPC002D – Funds Distribution Rules | Project fund distribution rules. Fund distribution rules should only be sent for project IDs and activities that were also part of the project structure and activities conversion files (CNVPC002A and CNVPC002B). Distribution rules are not required for all projects.                                 |          |
| PO     | CNVPO104 – Procurement Contracts     | An agreement with an individual or entity (e.g. vendor, grantee, finance/ leasing company) that the state will pay. This includes the transactional contract and the contract document. Also referred to as Vendor or Supplier Contracts. These contracts will be either an LPA or a department contract. | No       |

# Available Interfaces

| Direction | Module | Interface ID (RICEF) | Name  | Description  |
|-----------|--------|----------------------|---|--|
| Inbound   | AM     | INFAM003             | Inbound interface to Asset Management to Add/Update Asset Information and Asset Transactions (ADD, ADJ, TRF, RET) | An inbound interface to FI\$Cal's Asset Management module. This interface provides the ability to Add/Update Asset Information and Asset Transactions from departmental asset systems to FI\$Cal.  |
|           | AM     | INFAM006             | Inbound Interface for Assets for physical inventory   | An inbound interface to FI\$Cal's Asset Management that provides the ability to upload the department's Physical Inventory (PI) results into FI\$Cal. Departments using the Asset Advantage solution are not required to utilize this interface. |

# Available Interfaces (Continued)

| Direction | Module | Interface ID (RICEF) | Name   | Description   |
|-----------|--------|----------------------|--|---|
| Inbound   | AP     | INFAP006             | Inbound Vouchers                                 | An Inbound interface capturing departmental expenditure data related to vendor information, chartfield data, amount, payment method, and payment issued date. This interface will not be used for procurement related vouchers.                                       |
|           | AR     | INFAR005             | Inbound Billable Charges and Invoice Adjustments | This interface allows departments to send billing information from their legacy systems into FI\$Cal's Billing module. This interface will also allow departments to identify and send invoice adjustments from their legacy systems into the FI\$Cal Billing Module. |
|           | AR     | INFAR006             | Inbound Interface AR items from external systems | An inbound interface used by departments to load their open Accounts Receivable (AR) items into FI\$Cal. Items will be loaded as external pending items in the AR module.   |

# Available Interfaces (Continued)

| Direction | Module | Interface ID (RICEF) | Name   | Description   |
|-----------|--------|----------------------|--|---|
| Inbound   | AR     | INFAR018             | AR Interface (INFAR001 - Customer Receipts Interface) Update | <p>Interface will create deposits and customer payments by importing receipt information from interface files provided by Departments into FI\$Cal.</p> <p>Types of Transactions processed by Interface include</p> <ol style="list-style-type: none"> <li>1. Receipts for outstanding receivables</li> <li>2. Miscellaneous Receipts</li> </ol> <p>With R17 SCO/STO Release this Interface originally identified as Wave 1 Interface INFAR001 - Customer Receipts Interface will be updated to create Deposit Slips for Default demand Bank as setup for the Department.</p> |

# Available Interfaces (Continued)

| Direction | Module | Interface ID (RICEF) | Name                  | Description   |
|-----------|--------|----------------------|-----------------------|---|
| Inbound   | CM     | INFCM012             | External Transactions | <p>External Transaction Interface can be used by FI\$Cal departments who have authority to have Accounts Outside CTS, Interface allows departments to load their system side transactions from their Legacy system into the FI\$Cal Cash Management Module's (CM) external transaction table.</p> <p>Departments may review scope for loading of Departmental Bank Statements in FI\$Cal if they decide to participate in this Interface, this will provide the Department with option to reconcile their external transactions to their bank statements.</p> |

# Available Interfaces (Continued)

| Direction | Module | Interface ID (RICEF) | Name                            | Description  |
|-----------|--------|----------------------|---------------------------------|--|
| Inbound   | GL     | INFGL090             | Inbound Time Sheet Excel Upload | The purpose of this interface unit is to provide the ability to upload data from an Excel spreadsheet template to the FI\$Cal Labor Distribution Activity Sheet component. This information is used to distribute an employee or employee group's payroll costs.     |
|           | GL     | INFGL091             | Inbound Timesheet Interface     | This inbound interface is to provide the department legacy systems the ability to interface directly to the FI\$Cal Labor Distribution Activity Sheet component. This information is automated and used to distribute an employee or employee group's payroll costs. |

# Available Interfaces (Continued)

| Direction | Module | Interface ID (RICEF) | Name  | Description  |
|-----------|--------|----------------------|---|--|
| Inbound   | PC     | INFPC003             | PC003 Inbound Project Transaction Interface | Departments will need to interface project transaction information into FI\$Cal for the purpose of tracking and monitoring. Data sources for this interface include legacy systems and offline spreadsheets. The inbound project interface will be a standard layout “template” that departments can map to for required data elements. This inbound interface will eliminate the need to manually key data into FI\$Cal from existing data sources. |

# Available Interfaces (Continued)

| Direction | Module | Interface ID (RICEF) | Name  | Description   |
|-----------|--------|----------------------|---|---|
| Inbound   | PC     | INFPC004             | PC004 Inbound Project Interface                         | Departments will need to interface project structure information into FI\$Cal for the purpose of creating Project and Activity definitions. Data sources for this interface include legacy systems and offline spreadsheets. The inbound project interface will be a standard layout “template” to which departments can map required data elements from legacy systems. This interface will eliminate the need to manually input project and activity definition data into FI\$Cal for Projects and Activities that exist in legacy systems. |
|           | PC     | INFPC008             | Inbound Interface to PC to Add/Update Project Structure | This interface is a real time integration between legacy applications and FI\$Cal for interfacing Project details. This is a bi-directional interface that allows transmissions to add or update the Project Structure.   |

# Available Interfaces (Continued)

| Direction           | Module | Interface ID (RICEF) | Name                                      | Description  |
|---------------------|--------|----------------------|---|--|
| Inbound<br>Outbound | PC     | INFPC012             | Inbound interface to Add/Update Rate Sets | This inbound interface allows for departments to perform a mass update and creation of rate sets used in FI\$Cal's Project Costing (PC) Module. Departments may load an Excel-based file format (i.e. .xls or .csv).   |
|                     | PO     | INFPO106             | FI\$Cal CSCR Progress Payment Interface   | FI\$Cal will provide an Excel and an XML upload file template for authorized users. Users can extract Payment data from their legacy system into either the file format or manually populate the Excel template and upload the file to FI\$Cal Progress Payment. |
|                     | PO     | INFPO105             | SCPRS Interface                           | FI\$Cal will provide an Excel and an XML upload file template for SCPRS authorized users. Users can extract PO and Contracts data from their legacy system into the file format or manually populate the Excel template and upload the file to FI\$Cal SCPRS.    |

# Available Interfaces (Continued)

| Direction | Module | Interface ID (RICEF) | Name                            | Description   |
|-----------|--------|----------------------|---------------------------------|---|
| Outbound  | AM     | INFAM008             | Interface with External Systems | <p>Provides a mechanism for extracting asset data from FI\$Cal to load into their external systems (if applicable) for Fleet Assets. Key data fields have been identified for the interface file layout; this does not represent all available asset fields in FI\$Cal.</p> <p>Departments will be responsible for performing various transactions in FI\$Cal. Transactions include: Additions, Adjustments, Transfers, Retirements and certain physical updates. The interface file will be based on user defined dates and will not update records in FI\$Cal to indicate that it has previously been run for those dates. Depreciation transactions will not be included in the interface. The interface will be executed adhoc as needed by Departments</p> |

# Available Interfaces (Continued)

| Direction | Module | Interface ID (RICEF) | Name   | Description  |
|-----------|--------|----------------------|--|--|
| Outbound  | AM     | INFAM005             | Outbound Interface for Assets for physical inventory | An outbound interface from FI\$Cal's Asset Management module. This interface can be used to generate an asset extract file that loads into a department's existing legacy system or to be used for a manual physical inventory.  |
|           | AR     | INFAR007             | Outbound interface from AR (items and transactions)  | An outbound interface from the Accounts Receivable (AR) module of receivable, receipt, and maintenance transactions such as credit memo adjustments, write-offs, and refunds. Departments may utilize this information to interface accounts receivable data from FI\$Cal into their legacy system(s). |
|           | AR     | INFAR011             | Customer ID Extract                                  | An outbound interface from the FI\$Cal Customer database that can be used by departments to verify that the customer information maintained in their external system(s) matches the customer information that is within FI\$Cal.   |

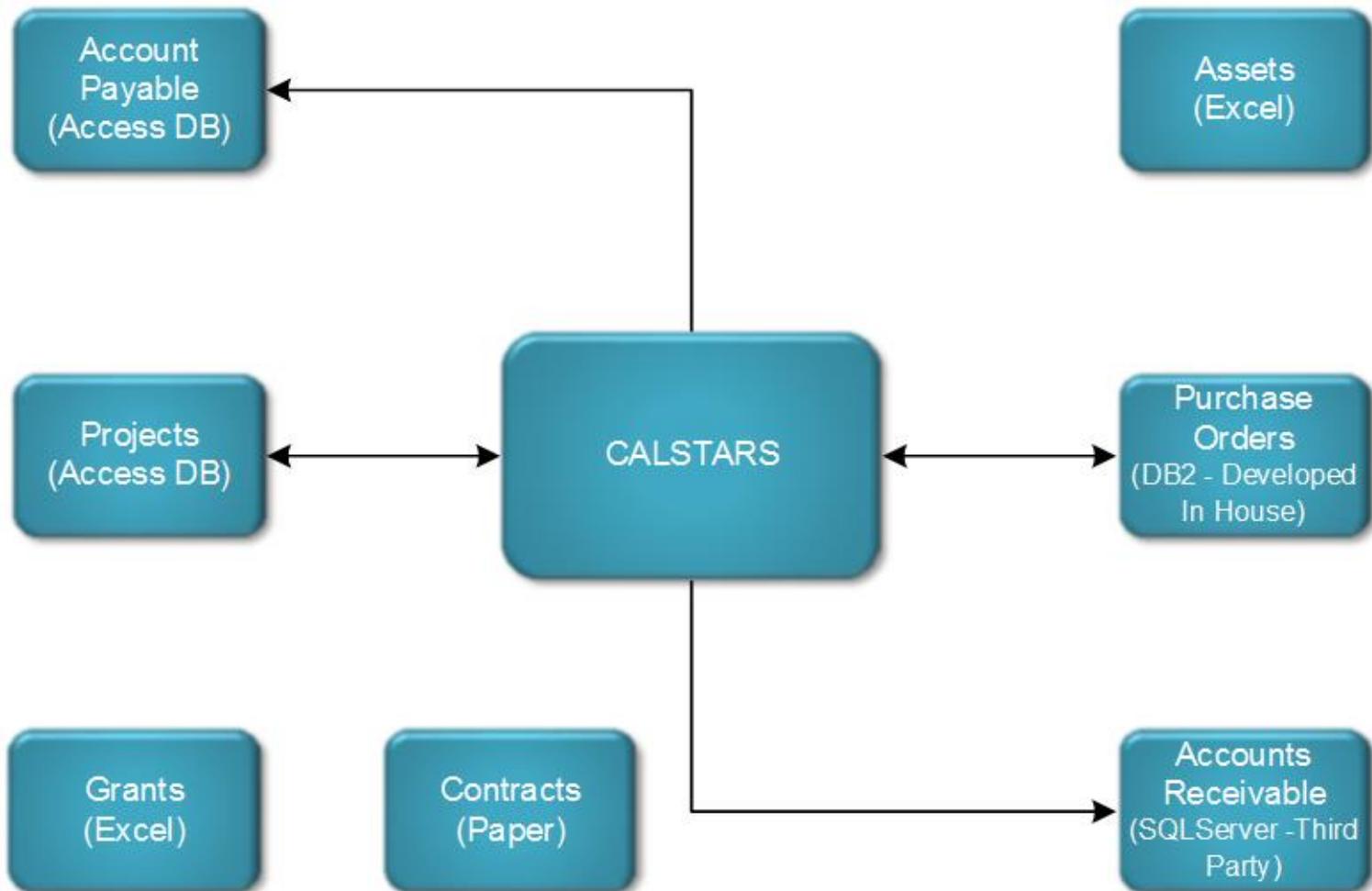
# Available Interfaces (Continued)

| Direction | Module | Interface ID (RICEF) | Name  | Description  |
|-----------|--------|----------------------|---|--|
| Outbound  | PC     | INFPC010             | Outbound Interface from PC for Project Structure    | State departments use legacy systems for a variety of purposes (Billing, Project Reporting, Project Tracking, Time Capture, etc.) that require valid values for elements of the FI\$Cal Project Structure. This outbound interface will generate a flat text file that can be used by departments for importing Project-related information into legacy systems. |
|           | PC     | INFPC011             | Outbound Interface from PC for Project Transactions | This outbound interface generates a flat text file containing project transactions from the FI\$Cal Project Costing (PC) module for departments to load into their legacy system.  |

# Available Interfaces (Continued)

| Direction | Module | Interface ID (RICEF) | Name                                     | Description  |
|-----------|--------|----------------------|--|--|
| Outbound  | PC     | INFPC025             | Outbound Interface for Project Structure | <p>This interface will be used to extract project related information and write it to a outbound flat file to the departments for importing it into their legacy systems.</p> <p>The extract will have project level information by default, additional flexibility will be given to Departmental User to include closed projects, project activity, project team, activity team and custom attributes</p> |

# Example 'As-Is' Department System and Data Source Diagram



# Team Contact Information

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- FI\$Cal Integration Team

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