Providers and Suppliers

A *Provider* is the name of an entity (person or organization) that provides goods and/or services to Caltech. In most cases the Provider and the Supplier match. However, for P-Card CardQuest transactions, the *Supplier* is the name of the bank and an effort has been made to determine the *Provider* based on the Oracle AP Invoice Distribution Description. The Invoice Distribution Description is created via a concatenation of information interfaced into Oracle AP from SAP Concur (known at Caltech as *CardQuest*).
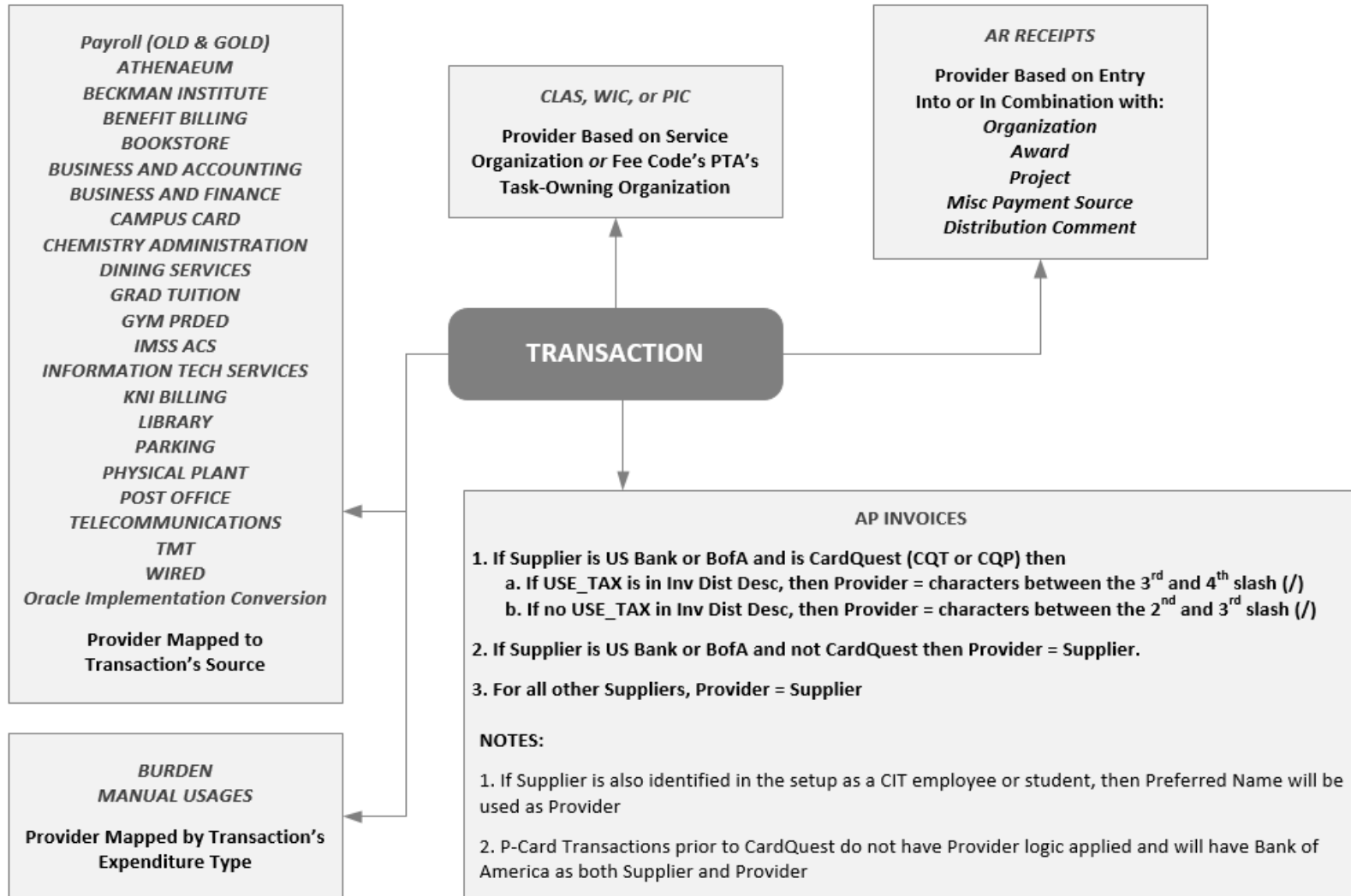
Provider Logic

The logic for determining a transaction's provider is complex and dependent upon the original source of the transaction. For example:

- For Purchase Orders and Accounts Payable invoices that are not CardQuest transactions, the *Provider* is the same as the *Supplier*.

- For P-Card transactions *after* the CardQuest implementation a best attempt was made to derive the *Provider* from the invoice distribution description.

   - ✓ CardQuest transactions are the *only* case in which the *Supplier* and *Provider* are not the same.

   - ✓ The name of the bank at the time of the transaction, e.g., US BANK, is the *Supplier* for CardQuest transactions.

- For Internal Charges the *Provider* is based on the area responsible for the transaction.

The remaining portion of this document details the logic used at both a high and detailed level.

Providers: High-Level Logic - Visual

Payroll (OLD & GOLD)
ATHENAEUM
BECKMAN INSTITUTE
BENEFIT BILLING
BOOKSTORE
BUSINESS AND ACCOUNTING
BUSINESS AND FINANCE
CAMPUS CARD
CHEMISTRY ADMINISTRATION
DINING SERVICES
GRAD TUITION
GYM PRDED
IMSS ACS
INFORMATION TECH SERVICES
KNI BILLING
LIBRARY
PARKING
PHYSICAL PLANT
POST OFFICE
TELECOMMUNICATIONS
TMT
WIRED
Oracle Implementation Conversion

**Provider Mapped to
Transaction's Source**

CLAS, WIC, or PIC

**Provider Based on Service
Organization *or* Fee Code's PTA's
Task-Owning Organization**

AR RECEIPTS

**Provider Based on Entry
Into or In Combination with:**
Organization
Award
Project
Misc Payment Source
Distribution Comment

TRANSACTION

AP INVOICES

1. If Supplier is US Bank or BofA and is CardQuest (CQT or CQP) then
   a. If USE_TAX is in Inv Dist Desc, then Provider = characters between the 3rd and 4th slash (/)
   b. If no USE_TAX in Inv Dist Desc, then Provider = characters between the 2nd and 3rd slash (/)

2. If Supplier is US Bank or BofA and not CardQuest then Provider = Supplier.

3. For all other Suppliers, Provider = Supplier

NOTES:

1. If Supplier is also identified in the setup as a CIT employee or student, then Preferred Name will be used as Provider

2. P-Card Transactions prior to CardQuest do not have Provider logic applied and will have Bank of America as both Supplier and Provider

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**BURDEN
MANUAL USAGES**

**Provider Mapped by Transaction's
Expenditure Type**

Providers: High-Level Logic - Table

SOURCE	*PROVIDER*	SOURCE	*PROVIDER*
ONE-to-ONE MAPPING BASED ON TRANSACTION SOURCE			
GOLD and OLD (Payroll)	*CALTECH PAYROLL*	BENEFIT BILLING	*CALTECH BENEFIT BILLING*
CONVERSION USAGES	*ORACLE IMPLEMENTATION CONVERSION*		
INTERNAL CHARGES ONE-to-ONE MAPPING BASED ON TRANSACTION SOURCE			
ATHENAEUM	*IC - ATHENAEUM*	BECKMAN INSTITUTE	*IC - BECKMAN INSTITUTE*
BUSINESS AND ACCOUNTING	*IC - BUSINESS AND ACCOUNTING*	BUSINESS AND FINANCE	*IC - BUSINESS AND FINANCE*
BOOKSTORE	*IC - CALTECH STORE*	CAMPUS CARD	*IC - CAMPUS CARD*
CHEMISTRY ADMINISTRATION	*IC - CHEMISTRY ADMINISTRATION*	DINING SERVICES	*IC - DINING SERVICES*
LIBRARY	*IC - GENERAL LIBRARIES*	GRAD TUITION	*IC - GRAD TUITION*
GYM PRDED	*IC - GYM FEES*	PARK PR DED	*IC - CALTECH PARKING*
IMSS ACS	*IC - IMSS ACS*	INFORMATION TECH SERVICES	*IC - IMSS MODEM*
KNICB BILLING	*IC - KNI CLEANROOM*	POST OFFICE	*IC - MAIL SERVICES*
PHYSICAL PLANT	*IC - PHYSICAL PLANT*	TELECOMMUNICATIONS	*IC - TELECOMMUNICATIONS*
TMT	*IC - TMT*	WIRED	*IC - WIRED*
INTERNAL CHARGES LOGIC BASED ON SERVICE ORGANIZATION (See *Internal Charges Org Mapping* for More Detail)			
CLAS	*IC - <Service Org Name>*	WEB IC (WIC)	*IC - <Service Org Name>*
SBS (Student Systems)			
SBS (Originating in IC)	*IC - <Service Org Name>*	SBS (All other transactions)	*CALTECH BURSAR*
OTHER PROVIDER MAPPING LOGIC			
BURDEN	See *Expenditure Type Mapping*	MANUAL USAGES (Non-IC)	See *Expenditure Type Mapping*
AP INVOICES	See *Accounts Payable Logic*	AR RECEIPTS	See *Accounts Receivable Logic*

Providers: Internal Charges Service Org Mapping

ORIGINAL SERVICE ORGANIZATION	PROVIDER *(IC - HR ORG NAME)*
Admin Information Services	*IC - ADMIN INFORMATION SERVICES*
Administrative Technology Ctr	*IC - ADMINISTRATIVE TECHNOLOGY CTR*
Aeronautics	*IC - AEROSPACE DEPT*
Aerospace	*IC - AEROSPACE DEPT*
Aerospace Dept	*IC - AEROSPACE DEPT*
Applied Physics & Materials Science Dept	*IC - APPLIED PHYSICS & MATERIALS SCIENCE DEPT*
Applied Physics Option	*IC - APPLIED PHYSICS & MATERIALS SCIENCE DEPT*
Material Science	*IC - APPLIED PHYSICS & MATERIALS SCIENCE DEPT*
Astronomy Administration	*IC - ASTRONOMY ADMINISTRATION*
Athenaeum	*IC - ATHENAEUM*
Beckman Institute	*IC - BECKMAN INSTITUTE*
Beckman Institute Department	*IC - BECKMAN INSTITUTE*
BioEngineering	*IC - BECKMAN INSTITUTE*
BioEngineering Dept	*IC - BIOENGINEERING DEPT*
Biology Administration	*IC - BIOLOGY ADMINISTRATION*
Brain Center	*IC - BRAIN CENTER*
Business & Accounting Services	*IC - BUSINESS & ACCOUNTING SERVICES*
CACR	*IC - CACR*
Bookstore	*IC - CALTECH STORE*
Caltech Bookstore	*IC - CALTECH STORE*
Caltech Store	*IC - CALTECH STORE*
Campus Auxiliary Business Srv	*IC - CAMPUS AUXILIARY BUSINESS SRV*
Card Services	*IC - CARD SERVICES*
CELT Development Corp/TMT	*IC - CELT DEVELOPMENT CORP/TMT*
Center for Data-Driven Discovery	*IC - CENTER FOR DATA-DRIVEN DISCOVERY*
Chemical Engineering Admin	*IC - CHEMICAL ENGINEERING ADMIN*
Chemical Engineering Administration	*IC - CHEMICAL ENGINEERING ADMIN*
Chemistry Administration	*IC - CHEMISTRY ADMINISTRATION*
Applied and Computational Math	*IC - COMPUTING & MATHEMATICAL SCIENCES DEPT*
Applied Math	*IC - COMPUTING & MATHEMATICAL SCIENCES DEPT*
Computer Science	*IC - COMPUTING & MATHEMATICAL SCIENCES DEPT*
Computing & Mathematical Sciences Dept	*IC - COMPUTING & MATHEMATICAL SCIENCES DEPT*
Control and Dynamical Systems	*IC - COMPUTING & MATHEMATICAL SCIENCES DEPT*
Controls and Dynamical Systems	*IC - COMPUTING & MATHEMATICAL SCIENCES DEPT*
Campus Programs	*IC - DEVELOPMENT & INSTITUTE RELATIONS*
Development	*IC - DEVELOPMENT & INSTITUTE RELATIONS*
Development & Institute Relations	*IC - DEVELOPMENT & INSTITUTE RELATIONS*

Providers: Internal Charges Service Org Mapping *(Cont.)*

ORIGINAL SERVICE ORGANIZATION	PROVIDER *(IC - HR ORG NAME)*
Development and Alumni Administration	*IC - DEVELOPMENT & INSTITUTE RELATIONS*
DIR Admin & Org Development	*IC - DEVELOPMENT & INSTITUTE RELATIONS*
Events Management	*IC - DEVELOPMENT & INSTITUTE RELATIONS*
Marketing & Communications	*IC - DEVELOPMENT & INSTITUTE RELATIONS*
Office of Communications	*IC - DEVELOPMENT & INSTITUTE RELATIONS*
Public Events	*IC - DEVELOPMENT & INSTITUTE RELATIONS*
Public Relations	*IC - DEVELOPMENT & INSTITUTE RELATIONS*
VP Institute Rels and Alumni	*IC - DEVELOPMENT & INSTITUTE RELATIONS*
VP-Institute Relations and Alumni	*IC - DEVELOPMENT & INSTITUTE RELATIONS*
Dining Services	*IC - DINING SERVICES*
Food Services and Catering	*IC - DINING SERVICES*
EAS Division Administration	*IC - EAS DIVISION ADMINISTRATION*
Engineering/Applied Science Division Administration	*IC - EAS DIVISION ADMINISTRATION*
Computation and Neural Systems	*IC - ELECTRICAL ENGINEERING DEPT*
Electrical Engineering	*IC - ELECTRICAL ENGINEERING DEPT*
Electrical Engineering Dept	*IC - ELECTRICAL ENGINEERING DEPT*
Engineering Science	*IC - ENGINEERING SCIENCE*
Environmental Quality Lab	*IC - ENVIRONMENTAL QUALITY LAB*
Environmental Eng Science	*IC - ENVIRONMENTAL SCIENCE & ENGINEERING DEPT*
Environmental Engineering Science	*IC - ENVIRONMENTAL SCIENCE & ENGINEERING DEPT*
Environmental Science & Engineering Dept	*IC - ENVIRONMENTAL SCIENCE & ENGINEERING DEPT*
Environmental Science and Engineering	*IC - ENVIRONMENTAL SCIENCE & ENGINEERING DEPT*
Campus Planning Administration	*IC - FACILITIES OPERATIONS*
Central Engineering Services	*IC - FACILITIES OPERATIONS*
Facilities Management	*IC - FACILITIES OPERATIONS*
Facilities Operations	*IC - FACILITIES OPERATIONS*
Physical Plant Department	*IC - FACILITIES OPERATIONS*
Faculty Housing	*IC - FACULTY HOUSING*
GEMS	*IC - GEMS*
General Libraries	*IC - GENERAL LIBRARIES*
Global Environmental Center	*IC - GLOBAL ENVIRONMENTAL CENTER*
Geology/Planetary Science Administration	*IC - GPS DIVISION ADMINISTRATION*
GPS Division Administration	*IC - GPS DIVISION ADMINISTRATION*
Graduate Housing	*IC - GRADUATE HOUSING*
Graphic Arts Facility	*IC - GRAPHIC ARTS FACILITY*
Graphic Arts	*IC - GRAPHIC RESOURCES*
Graphic Arts Facility-GAF	*IC - GRAPHIC RESOURCES*

Providers: Internal Charges Service Org Mapping *(Cont.)*

ORIGINAL SERVICE ORGANIZATION	PROVIDER *(IC - HR ORG NAME)*
Graphic Resources	*IC - GRAPHIC RESOURCES*
HSS Division Administration	*IC - HSS DIVISION ADMINISTRATION*
Humanities and Social Science Admin.	*IC - HSS DIVISION ADMINISTRATION*
Human Resources Department	*IC - HUMAN RESOURCES DEPARTMENT*
Industrial Relations Center	*IC - INDUSTRIAL RELATIONS CENTER*
Institutional Organizations	*IC - INSTITUTIONAL ORGANIZATIONS*
IPAC	*IC - IPAC*
ITS Support	*IC - ITS SUPPORT*
Kellogg Rad Lab	*IC - KELLOGG RADIATION LABORATORY*
LIGO Caltech	*IC - LIGO CALTECH*
Campus Mail Center	*IC - MAIL CENTER*
Mail Center	*IC - MAIL CENTER*
Mail Services	*IC - MAIL SERVICES*
Mathematics Administration	*IC - MATHEMATICS ADMINISTRATION*
Civil Eng and App Mechanics	*IC - MECHANICAL & CIVIL ENGINEERING DEPT*
Mechanical & Civil Engineering Dept	*IC - MECHANICAL & CIVIL ENGINEERING DEPT*
Mechanical Engineering	*IC - MECHANICAL & CIVIL ENGINEERING DEPT*
Mechanical Engineering and Design	*IC - MECHANICAL & CIVIL ENGINEERING DEPT*
Medical Engineering Dept	*IC - MEDICAL ENGINEERING DEPT*
Office of Business and Finance	*IC - OFFICE OF BUSINESS AND FINANCE*
Finance and Controller	*IC - OFFICE OF FINANCIAL SERVICES*
Office of Financial Services	*IC - OFFICE OF FINANCIAL SERVICES*
Office of the Treasurer	*IC - OFFICE OF FINANCIAL SERVICES*
Property Management	*IC - OFFICE OF FINANCIAL SERVICES*
Treasurer's Office	*IC - OFFICE OF FINANCIAL SERVICES*
Office of Research Administration	*IC - OFFICE OF RESEARCH ADMINISTRATION*
Sponsored Research	*IC - OFFICE OF RESEARCH ADMINISTRATION*
Academic Computing Services	*IC - OFFICE OF THE CIO*
Administrative Information Services	*IC - OFFICE OF THE CIO*
Information Tech Services Dept	*IC - OFFICE OF THE CIO*
Information Technology Services Department	*IC - OFFICE OF THE CIO*
Office of the CIO	*IC - OFFICE OF THE CIO*
Office of the President	*IC - OFFICE OF THE PRESIDENT*
President's Office	*IC - OFFICE OF THE PRESIDENT*
Office of the Provost	*IC - OFFICE OF THE PROVOST*
OLAR	*IC - OLAR*
Owens Valley Radio Observatory	*IC - OWENS VALLEY RADIO OBSERVATORY*

Providers: Internal Charges Service Org Mapping *(Cont.)*

ORIGINAL SERVICE ORGANIZATION	PROVIDER *(IC - HR ORG NAME)*
Palomar Observatory	*IC - PALOMAR OBSERVATORY*
Physics (PMA) Administration	*IC - PHYSICS ADMINISTRATION*
Physics Administration	*IC - PHYSICS ADMINISTRATION*
Plant Fund Department	*IC - PLANT FUND DEPARTMENT*
Provost's Academic Program	*IC - PROVOST'S ACADEMIC PROGRAM*
CABS	*IC - SAS OVERHEAD*
Campus Business Services Enterprises	*IC - SAS OVERHEAD*
Campus Business Srv Enterprise	*IC - SAS OVERHEAD*
Real Estate Operations	*IC - SAS OVERHEAD*
SAS Overhead	*IC - SAS OVERHEAD*
Caltech Campus Parking	*IC - SECURITY AND PARKING SERVICES*
Campus Security and Parking Services	*IC - SECURITY AND PARKING SERVICES*
Security and Parking Services	*IC - SECURITY AND PARKING SERVICES*
Seismo Laboratory	*IC - SEISMO LABORATORY*
Seismo-Trinet	*IC - SEISMO-TRINET*
Strategic Communications	*IC - STRATEGIC COMMUNICATIONS*
Student Affairs Administration	*IC - STUDENT AFFAIRS ADMINISTRATION*
Student Affairs Department	*IC - STUDENT AFFAIRS ADMINISTRATION*
UG/Grad Housing	*IC - UNDERGRADUATE HOUSING*
UG/Graduate Housing	*IC - UNDERGRADUATE HOUSING*
UG/Master of Student Housing	*IC - UNDERGRADUATE HOUSING*
Undergraduate Housing	*IC - UNDERGRADUATE HOUSING*

Providers: Expenditure Type Mapping

PROVIDER = CALTECH BURDENING	
Administrative Charge	Paid Leave Allocation
Indirect Cost	Staff Benefits Allocation
IPAC Alloc	Tuition Remission Allocation
PROVIDER = CALTECH FUNDS TRANSFER	
Agency Fd Expense Transaction	Funds transferred in
Agency Fd Revenue Transaction	Funds transferred out
Capital Funds XFR IN GB	Internal Loan Transfer In
Capital Funds XFR OUT GB	Internal Loan Transfer out
PROVIDER = CALTECH OTHER OVERHEAD	
Endow OH Other Source Charge	Endowment OH Charge
Endow OH Other Source Credit	Endowment OH Credit
Endow OH Special Charge	Facil Use -Tech Svcs OH
Endow OH Special Credit	
PROVIDER = CALTECH REVENUE ADJUSTMENT	
Auxiliary Revenue	Dfrd House Rev Reduct
Dfrd Avery Bd Rev Reduct	Dfrd House Revenue
Dfrd Avery Board Revenue	Gymnasium Rev - PR Deduct
Dfrd Debit Card Revenue	Parking Rev-PR Deduct
Dfrd House Bd Rev Reduct	Revenue
Dfrd House Board Revenue	
PROVIDER = CALTECH OTHER	
<NO EXPENDITURE TYPE>	

Providers: Expenditure Type Mapping *(Cont.)*

PROVIDER = CALTECH EXPENSE ADJUSTMENT		
Accrued Sales	CR Special Labor Correction	OPE-Ticket Sales
Admin Fee-Usage	Credit Expenditures	Other Internal Charges
Allocation Of GAndA	DR Alloc of Royalty Income	Over and shorts
Allocation Of OAndM	DR CABS Exp Allocation	Patent Royalties Payable
Aux Forfd Sec Deposits	DR Dining Exp Allocation	Program Income
Aux Forfeited Sec Deposits	DR G and A Exp Allocation	RA Board Charge
Auxiliary Inventory-Usage	DR Management Allocation	Reimbursement
Bad Debt Expense	DR O and M Exp Allocation	Retiring Annuity-TIAA
Bank Charges Usages	DR Phy Plant Custodial Exp	Royalties Payable Holding Acct
CECIP payback	DR Salary Allocation	Royalty Income
CEFA Bond - Discount	Employee Tuition Support	Sales Tax
CEFA Bond - Premium	Equipment-Caltech-Usage	Scholarships-UG Tuition
CEFA Bond - Prepaid expense	Facilities Charge	Self Accrued Sales Tax
Computing Usage	Facilities Credits	Smartcash Payable
Copying/Fax Usage	Facility Rental	Smartcash Payable Reduction
Cost of Goods Sold	Fellowships-Grad Tuition	Stockroom Usage
Cost of Sales	Food	TIAA Staff
Cost Share Trfs In-GB	Forfeited Security Deposits	TMT-Bi-Weekly Staff
Cost Share Trfs In-NonGB	Health Insurance	TMT-Other Staff Benefits
Cost Share Trfs Out GB	Hotel	TMT-Payroll Fees
Cost Share Trfs Out NonGB	Interest-Usage	TMT-Program Income
CR Alloc of Royalty Income	Intracompany Sales	TMT-Social Security FICA
CR CABS Exp Allocation	Intracompany Sales-AUX	TMT-TIAA Staff
CR Dining Exp. Allocation	Legal Exp Allocable Usage	TMT-Unemployment Insurance
CR G and A Exp Allocation	Legal Exp Unallocable Usage	Tuition Remission
CR Management Allocation	Mtgs - Participant Support	Tuition Remission-Other
CR O and M Exp Allocation	Observation Charge	Unclassified
CR Phy Plant Custodial Exp	Observation Credit	Utilities Usage
CR Salary Allocation	OPE-General Income	Worker's Compensation Ins.

Providers: Expenditure Type Mapping *(Cont.)*

PROVIDER = CALTECH OTHER ADJUSTMENT		
Conv CR Adj Burdened	CR Adj Professorial Faculty	Dr Adj M and S Unburdened
Conv CR Adj Unburdened	CR Adj Res/Postdoc Fellows	DR Adj Monthly Admin Staff
Conv DR Adj Burdened	CR Adj Student Wages NB	DR Adj Monthly Res Staff
Conv DR Adj Unburdened	CR Adj Subcontracts - 1st 25K	DR Adj Monthly Staff
CR Adj Bi-Weekly Admin Staff	CR Adj Subcontracts - Over 25K	DR Adj Other Faculty Salaries
CR Adj Bi-Weekly Res Staff	CR Adj Supplemntl Earnings NB	DR Adj Other Stu Aid-Inc Tra
CR Adj Bi-Weekly Staff	CR Adj Suspense Salaries	DR Adj Postdoc Scholar Sal
CR Adj CWS Credit	CR Adj Travel-Domestic	DR Adj Professorial Faculty
CR Adj Dental Insurance	CR Adj Travel-Foreign	DR Adj Res/Postdoc Fellows
CR Adj Equipment-Caltech	CR Adj Travel-Participant Supp	DR Adj Student Wages NB
CR Adj Equipment-Non-Caltech	CR Adj Tuit Rem Budget Relief	DR Adj Subcontracts - 1st 25K
CR Adj Grad Assistantships	Cr Manual Adj-Admin charge	DR Adj Subcontracts - Over 25K
CR Adj Grad Fellowships	CR Manual Indirect Cost Adj	DR Adj Supplemntl Earnings NB
CR Adj Health Insurance	CR Manual Paid Leave Alloc Adj	DR Adj Suspense Salaries
CR Adj IPAC Alloc	CR Manual Staff Ben Alloc Adj	DR Adj Travel-Domestic
Cr Adj JPL Expenditures-Exempt	CR Manual Tuit Remis Alloc Adj	DR Adj Travel-Foreign
Cr Adj M and S Burdened	DR Adj Bi-Weekly Admin Staff	DR Adj Travel-Participant Supp
Cr Adj M and S Unburdened	DR Adj Bi-Weekly Res Staff	DR Adj Tuit Rem Budget Relief
CR Adj Manual IDC	DR Adj Bi-Weekly Staff	Dr Manual Adj-Admin charge
CR Adj Manual Indirect Cost	DR Adj CWS Credit	DR Manual Indirect Cost Adj
CR Adj Monthly Admin Staff	DR Adj Dental Insurance	DR Manual Paid Leave Alloc Adj
CR Adj Monthly Res Staff	DR Adj Equipment-Caltech	DR Manual Staff Ben Alloc Adj
CR Adj Monthly Staff	DR Adj Equipment-Non-Caltech	DR Manual Tuit Remis Alloc Adj
CR Adj Other Faculty Salaries	DR Adj Grad Assistantships	Inventory CR Adjustments
CR Adj Other Stu Aid-Inc Tra	DR Adj Grad Fellowships	Inventory DR Adjustments
CR Adj PDLV - Bereave/Mil LV	DR Adj Health Insurance	Misc Adjustment
CR Adj PDLV - Employee Sick	Dr Adj JPL Expenditures-Exempt	Misc Credit Adj
CR Adj Postdoc Scholar Sal	Dr Adj M and S Burdened	Patent Royalties Pay Adjust

Providers: Accounts Payable Logic

Following is the logic for determining the Provider for transactions that originate in Accounts Payable. The *Rank* column indicates the order in which the logic occurs.

RANK	PROVIDER LOGIC	PROVIDER
	AP Invoices: Not CardQuest	
1	Supplier Name will be the value for both Supplier and Provider for non-CardQuest AP Invoices	
	Vendor is Bank of America or US Bank, Inv # Like CQP or CQT, and…	
	NOTE: P-Card Transactions Prior to CardQuest Do Not Have Provider Information	
1	Invoice Distribution Description, first 12 characters = Cash Advance	Supplier's Name
2	Invoice Distribution Description, remove USE_TAX/, and between 2nd & 3rd Slash = CLAIM ADJ	PCARD CLAIM ADJ
3	Invoice Distribution Description, remove USE_TAX/, and between 2nd & 3rd Slash = INTERNATIONAL TRANSACTION FEE	PCARD INTERNATIONAL TRANSACTION FEE
	Vendor is Bank of America or US Bank, Inv # Like CQP or CQT, Remove USE_TAX/, Between 2nd & 3rd Slash, and…	
1	First 14 Characters = WWW.NEWEGG.COM	WWW.NEWEGG.COM
2	Last 7 Characters = MOTEL 6	MOTEL 6
3	Complete Value Between Slashes = N1	N1
4	First 10 Characters = MCDONALD'S	MCDONALD'S
5	First 9 Characters = MCDONALDS	MCDONALD'S
6	First 9 Characters = LYFT RIDE	LYFT RIDE
7	First 9 Characters = SHELL OIL	SHELL OIL
8	First 8 Characters = BIG LOTS	BIG LOTS STORES
9	First 8 Characters = NYC TAXI	NYC TAXI
10	First 18 Characters = WHOLE FOODS MARKET	WHOLE FOODS MARKET
11	First 8 Characters = WHOLEFDS	WHOLE FOODS MARKET
12	First 8 Characters = 7-ELEVEN	7-ELEVEN
13	First 12 Characters = VERIZON WRLS	VERIZON WIRELESS
14	First 7 Characters = VZWRLSS	VERIZON WIRELESS
15	First 7 Characters = MTA MVM	MTA MVM
16	First 6 Characters = ORBITZ	ORBITZ
17	First 6 Characters = AIRBNB	AIRBNB

Providers: Accounts Payable Logic *(Cont.)*

RANK	PROVIDER LOGIC	PROVIDER
18	First 6 Characters = UPWORK	UPWORK
19	First 5 Characters = HTTP:	Remove HTTP:// and remainder of value
20	First 4 Characters = LYFT	LYFT
21	First 4 Characters = UBER	UBER
22	First 4 Characters = VONS	VONS
23	First 4 Characters = 7615	7615 MONASH UNI CORPORATION
24	First 4 Characters = UPS(space) or UPS*	UPS
25	First 4 Characters = ATT(space) or ATT* or AT&T	AT&T
26	First 2 Characters = 76	76 STATION
27	First Character = #	Value between the slashes
28	# isn't First Character but Is Part of Entry	Value BEFORE the #
29	Value = UNITED when all numbers are removed	UNITED AIRLINES
30	Last Character is a number	Value with all numbers removed
31	The rest	Cleaned-up Value
Additional Clean-up Applied After CardQuest Logic		
1	Take out double-spaces - runs five times (some still remain because there were more than 5)	

Providers: Accounts Receivable Logic

The Accounts Receivable logic for determining the *Provider* is based on data entered into specific fields at the time the receipt was created in Oracle. The *Rank* column indicates the order in which the logic occurs.

High Level

The high-level logic table has four columns:

1. *Rank:* Indicates the order in which the logic occurs

2. *Logic Column:* Indicates the column name for the field in which the data is entered

    a. Please see the screenshot for a mapping of column name in the table to the field name seen on the Oracle forms

3. *Field Name:* The field label seen on the Oracle forms

4. *Additional Information:* Further information to assist in understanding the logic

RANK	LOGIC COLUMN	COLUMN MEANING	ADDITIONAL INFORMATION
1	ATTRIBUTE10	Org	
2	ATTRIBUTE4	Exp Type	
3	ATTRIBUTE3 & Comment	Award and Div	Div from Distribution Comment
4	ATTRIBUTE1	Project	
5	ATTRIBUTE3	Award	
6	MISC_PAYMENT_SOURCE	Paid By Name	Clean-up mapping of certain values
7	MISC_PAYMENT_SOURCE	Paid By Name	Clean-up as entered or AR RECEIPT

Detail Level

The detail-level logic table has three columns:

1. *Rank:* Indicates the order in which the logic occurs
2. *Provider Logic:* The specific logic applied
3. *Provider:* The value determined by the logic

RANK	PROVIDER LOGIC	PROVIDER
1	001-003 ATTRIBUTE10 (Organization) IS NOT NULL	AR - *ORGANIZATION NAME*
2	004 ATTRIBUTE4 (Exp Type) is for Royalties	AR - CALTECH PATENT ROYALTIES
2	005 ATTRIBUTE4 (Exp Type) starts with Facil Use and First 3 Characters of Comments = BBE (or BIO), CCE, EAS, GPS, HSS, PMA, or TMT	AR - CALTECH FUSE - *DIV* (First 3 characters of Comments)
2	006 ATTRIBUTE4 (Exp Type) starts with Facil Use and First 3 Characters of Misc Payment Source = BBE (or BIO), CCE, EAS, GPS, HSS, PMA, or TMT	AR - CALTECH FUSE - *DIV* (First 3 characters of Misc Payment Source)
2	007 ATTRIBUTE4 (Exp Type) starts with Facil Use and no DIV in Comments	AR - CALTECH FUSE
3	008 ATTRIBUTE3 (Award #) Prefix = OACONF and First 3 Characters of Comments Like an Acad Div, i.e., BBE (BIO), CCE, EAS, GPS, HSS, or PMA	AR - CALTECH CONFERENCES - *DIV* (First 3 characters of Comments)
3	009 ATTRIBUTE3 (Award #) Prefix = OACONF and First 3 Characters of Misc Payment Source Like an Adad Div, i.e., BBE (BIO), CCE, EAS, GPS, HSS, or PMA	AR - CALTECH CONFERENCES - *DIV* (First 3 characters of Comments)
3	010 ATTRIBUTE3 (Award #) Prefix = OACONF and no DIV in Comments or Misc Payment Source	AR - CALTECH CONFERENCES
4	011 ATTRIBUTE1 (Project #) = SAO.OASALE	AR - CALTECH CAREER DEVELOPMENT
4	012 ATTRIBUTE1 (Project #) = INRL.03120	AR - DEVELOPMENT AND INSTITUTE RELATIONS
4	013 ATTRIBUTE1 (Project #) = AUXI.08012	AR - DINING SERVICES
4	014 ATTRIBUTE1 (Project #) = PPL.00001	AR - CALTECH FACILITIES
4	015 ATTRIBUTE1 (Project #) = AUXI.08022 or PPL.00009	AR - GRAPHIC ARTS
4	016 ATTRIBUTE1 (Project #) = AUXI.00006, AUXI.00007, AUXI.00008, AUXI.00010, or BAUX.73304	AR - FACULTY HOUSING
4	017 ATTRIBUTE1 (Project #) = AUXI.08033	AR - UNDERGRADUATE HOUSING
4	018 ATTRIBUTE1 (Project #) = PLFD.72463	AR - HOUSING - PALOMAR
4	019 ATTRIBUTE1 (Project #) = AUXI.00005, BAUX.73345, BAUX.73329, BAUX.73303, BAUX.73480, or BAUX.73487	AR - CALTECH HOUSING

Providers: Accounts Receivable Logic *(Cont.)*

RANK	PROVIDER LOGIC	PROVIDER
4	020 ATTRIBUTE1 (Project #) = HRES.03300	AR - HUMAN RESOURCES
4	021 ATTRIBUTE1 (Project #) = PPL.MAILCENTER or BAUX.03350	AR - MAIL SERVICES
4	022 ATTRIBUTE1 (Project #) = OIR.K1AO, PMA.PSHOP, or RGD.STRATCOM	AR - CALTECH OBSERVATORY - KECK
4	023 ATTRIBUTE1 (Project #) = PMA.01540, PMA.01512, AUXI.00001, AUXI.00011, AUXI.08024, or WLS.39010	AR - CALTECH OBSERVATORY - PALOMAR
4	024 ATTRIBUTE1 (Project #) = OTT.00002 and ATTRIBUTE4 (Exp Type) = Revenue	AR - CALTECH PATENT REVENUE
4	025 ATTRIBUTE1 (Project #) = GBREV.PARKING	AR - CALTECH PARKING
4	026 ATTRIBUTE1 (Project #) = AUXI.08010	AR - CALTECH STORE
4	027 ATTRIBUTE1 (Project #) = CABS.CARDSERP	AR - SAS OVERHEAD
4	028 ATTRIBUTE1 (Project #) = Athletics Project #	AR - CALTECH ATHLETICS
4	029 ATTRIBUTE1 (Project #) LIKE DINING	AR - DINING SERVICES
4	030 ATTRIBUTE1 (Project #) LIKE FH	AR - FACULTY HOUSING
4	031 ATTRIBUTE1 (Project #) LIKE UG or GRAD	AR - STUDENT HOUSING
4	032 ATTRIBUTE1 (Project #) LIKE BKST	AR - CALTECH STORE
4	033 ATTRIBUTE1 (Project #) LIKE STAF	AR - STUDENT AFFAIRS ADMINISTRATION
4	034 ATTRIBUTE1 (Project #) LIKE ENRL	AR - STUDENT AFFAIRS ADMINISTRATION
4	035 ATTRIBUTE1 (Project #) LIKE SAO	AR - STUDENT AFFAIRS ADMINISTRATION
4	036 ATTRIBUTE1 (Project #) LIKE LIBR	AR - GENERAL LIBRARIES
4	037 ATTRIBUTE1 (Project #) LIKE TMT	AR - TMT OBSERVATORY
4	038 ATTRIBUTE1 (Project #) LIKE KECK	AR - CALTECH OBSERVATORY - KECK
4	039 ATTRIBUTE1 (Project #) LIKE PALOMAR or PALO	AR - CALTECH OBSERVATORY - PALOMAR
5	040 ATTRIBUTE3 (Award #) = DINING.SAS	AR - DINING SERVICES
5	041 ATTRIBUTE3 (Award #) = HOUSING.SAS	AR - STUDENT HOUSING
6	042 Misc Payment Source Like Property Management	AR - CALTECH HOUSING
6	043 Misc Payment Source = Faculty Housing	AR - FACULTY HOUSING
6	044 Misc Payment Source = CALTECH PUBLIC EVENTS, PUBLIC EVENTS, or OFFICE OF PUBLIC EVENTS	AR - CALTECH TICKET OFFICE
6	045 Misc Payment Source best effort like Property Management	AR - CALTECH HOUSING
6	046 Misc Payment Source next best effort like Property Management	AR - CALTECH HOUSING
6	047 Misc Payment Source third best effort like Property Management	AR - CALTECH HOUSING
6	048 Misc Payment Source best effort like Intellectual Property	AR - CALTECH TECH TRANSFER

Caltech

Providers: Accounts Receivable Logic *(Cont.)*

RANK	PROVIDER LOGIC	PROVIDER
6	049 Misc Payment Source best effort like Archives	AR - CALTECH ARCHIVES
6	050 Misc Payment Source best effort like Tech Transfer	AR - CALTECH TECH TRANSFER
6	051 Misc Payment Source best effort like Caltech Opt	AR - CALTECH OBSERVATORIES - OPTICAL
6	052 Misc Payment Source best effort like Palomar OB	AR - CALTECH OBSERVATORY - PALOMAR
6	053 Misc Payment Source best effort like Tickets (CIT, Office, .com)	AR - CALTECH TICKET OFFICE
6	054 Misc Payment Source best effort like Bookstore	AR - CALTECH STORE
6	055 Misc Payment Source best effort like Catering	AR - DINING SERVICES
6	056 Misc Payment Source best effort like Athletics	AR - CALTECH ATHLETICS
6	057 Misc Payment Source best effort like Inst Arch	AR - CALTECH ARCHIVES
6	058 Misc Payment Source best effort like Red Door	AR - DINING SERVICES
6	059 Misc Payment Source best effort starts with Archive	AR - CALTECH ARCHIVES
6	060 Misc Payment Source best effort ends with Archive	AR - CALTECH ARCHIVES
6	061 Misc Payment Source best effort like JPL All	AR - JPL ALL
6	062 Misc Payment Source starts with WMKECK	AR - CALTECH OBSERVATORY - KECK
6	063 Misc Payment Source starts with Dining	AR - DINING SERVICES
6	064 Misc Payment Source starts with Avery	AR - DINING SERVICES
6	065 Misc Payment Source starts with Wired	AR - CALTECH STORE
6	066 Misc Payment Source starts with Bkst	AR - CALTECH STORE
6	067 Misc Payment Source starts with 601	AR - DINING SERVICES
6	068 Misc Payment Source starts with LOC	AR - CALTECH LOC
6	069 Misc Payment Source starts with IRC	AR - CALTECH INDUSTRIAL RELATIONS
6	070 Misc Payment Source starts with LIGO	AR - CALTECH OBSERVATORY - LIGO
6	071 Misc Payment Source starts with TMT	AR - TMT OBSERVATORY
6	072 Misc Payment Source starts with GAF	AR - GRAPHIC ARTS
6	073 Misc Payment Source ends with GAF	AR - GRAPHIC ARTS
7	074 Misc Payment Source Cleanup or AR RECEIPT	AR - Multiple Values