The University of Iowa

Quarterly
Budget Officers Meeting

June 2014
Organized by the Controller’s Office, Finance & Operations
Today’s Agenda

I. Deloitte TIER Project  *(Doug True)*

II. FY 2015 Budget Schedule  *(Cathy Hagen)*

III. FY 2014 FYE Close  *(Selina Martin)*

IV. Cash Handling Controls Implementation  *(Selina Martin)*

V. Federal Grant Reform  *(Audra Haddy)*

VI. Preq’s Receiving  *(Karen Housel)*

VII. Institutional Data User’s Group (IDUG)  *(Mike Noel & Brenda Ulin)*
Deloitte TIER Project

Doug True

Senior Vice President & Treasurer
Finance & Operations
FY 2015 Budget Schedule

Cathy Hagen

Director, Budget Development
Finance & Operations
## FY 2015 Budget Development Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apr 17 (Thur)</td>
<td>Budget Schedule and Preliminary Budget Instructions from Board of Regents Office</td>
</tr>
<tr>
<td>Apr 23/24 (Wed/Thurs)</td>
<td>Board of Regents Meeting</td>
</tr>
<tr>
<td>May 2 (Fri)</td>
<td>Preliminary Institutional Budget Issues submissions due to Board Office</td>
</tr>
<tr>
<td>June 03 (Tues)</td>
<td>Initial GL &amp; HR load to the Budget &amp; Salary Application</td>
</tr>
<tr>
<td><strong>Jun 03 (Tues)</strong></td>
<td><strong>On Campus Budget Process Begins (Use this time for MFK updates &amp; verifying HR data)</strong></td>
</tr>
<tr>
<td>Jun 04 (Wed)</td>
<td>Daily Download from HR begins</td>
</tr>
<tr>
<td>June 04 (Wed)</td>
<td>Board of Regents Meeting/Approval of Salary Policy</td>
</tr>
<tr>
<td>Jun 06 (Fri)</td>
<td>University’s Budget Letter and Salary Guidelines to Campus (True &amp; Butler)</td>
</tr>
<tr>
<td>Jun 18 (Wed)</td>
<td>Last Daily Download from HR to synch with Payroll cutoff</td>
</tr>
<tr>
<td><strong>Jun 20 (Fri)</strong></td>
<td><strong>BUDGETS DUE BACK TO THE BUDGET OFFICE BY 5:00 P.M.</strong></td>
</tr>
<tr>
<td>Jun 20 (Fri)</td>
<td>Narratives and Form 2's due to Budget Office</td>
</tr>
<tr>
<td>Jun 20 (Fri)</td>
<td>Narratives and Form 2's for Res Svcs and Athletics due to Budget Office</td>
</tr>
<tr>
<td>Jul 8 (Tue)</td>
<td>Institutional budget submissions due to Board Office (Final budgets and related forms)</td>
</tr>
<tr>
<td>Aug 7 (Thur)</td>
<td>Board of Regents Meeting/Approval of Final Budget</td>
</tr>
</tbody>
</table>
2014 Fiscal Year End Close

Selina Martin

Associate Controller
AFR & CAM, Controller'
Controllers Office, Finance & Operations

“It’s part of our commitment to Going Green.
From now on, the bean counters will be using real beans.”
# 2014 Fiscal Year End Close
## Accounting Period Deadlines Key Dates

<table>
<thead>
<tr>
<th>What is the purpose of each period?</th>
<th>To post routine monthly business &amp; year-end entries</th>
<th>To post corrections and finalize year-end entries</th>
<th>To post corrections and finalize year-end entries</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is the overall timeframe for each period?</td>
<td>July 1 - July 2</td>
<td>July 1&lt;sup&gt;1&lt;/sup&gt; - July 14</td>
<td>July 12&lt;sup&gt;2&lt;/sup&gt; - July 21</td>
</tr>
<tr>
<td>When will the web applications be available?</td>
<td>Tuesday, July 1&lt;sup&gt;1&lt;/sup&gt;</td>
<td>Saturday, July 12&lt;sup&gt;2&lt;/sup&gt;</td>
<td></td>
</tr>
<tr>
<td>Web Budget, GLJE, WebCV, PayCV</td>
<td>7:00 A.M.</td>
<td>7:00 A.M.</td>
<td></td>
</tr>
<tr>
<td>When will GLDSS daily be available for each period close?</td>
<td>Saturday, July 5</td>
<td>Monday, July 14</td>
<td></td>
</tr>
<tr>
<td>What is the deadline for web applications?</td>
<td>Monday, June 30</td>
<td>Friday, July 11</td>
<td>Wednesday, July 16</td>
</tr>
<tr>
<td>Web Budget</td>
<td>6:30 P.M.</td>
<td>5:00 P.M.&lt;sup&gt;3&lt;/sup&gt;</td>
<td>5:00 P.M.&lt;sup&gt;4&lt;/sup&gt;</td>
</tr>
<tr>
<td>GLJE, WebCV, PayCV</td>
<td>6:30 P.M.</td>
<td>5:00 P.M.&lt;sup&gt;3&lt;/sup&gt;</td>
<td>5:00 P.M.&lt;sup&gt;4&lt;/sup&gt;</td>
</tr>
<tr>
<td>When will monthly GLDSS be available for each period close?</td>
<td>Tuesday, July 2</td>
<td>Monday, July 14</td>
<td>Monday, July 21</td>
</tr>
<tr>
<td>When will TDRs &amp; Grant Reports be available through the EFR portal?</td>
<td>Tuesday, July 2</td>
<td>Monday, July 14</td>
<td>Monday, July 21</td>
</tr>
</tbody>
</table>

<sup>1</sup> Period 13 entries can be prepared and submitted beginning July 1. They will post when period 13 is opened.

<sup>2</sup> Period 14 entries can be prepared and submitted beginning July 12. They will post when period 14 is opened.

<sup>3</sup> Early cutoff.
1. Payroll schedule
2. Service center charges
3. Purchasing deadlines
4. Encumbrance corrections/removal
5. A/P & Travel vouchers
6. Accounting & Financial Reporting
   1. Web applications deadlines
   2. GLDSS data availability
   3. TDR availability
7. Budget Development journal deadlines
8. Gifts, Grants & Contracts (with 6/30 end date)
9. Treasury Operations (eDeposit deadlines)
## FYE Close Deadlines - Contacts

<table>
<thead>
<tr>
<th>Functional Deadline</th>
<th>Contact Person</th>
</tr>
</thead>
<tbody>
<tr>
<td>Payroll</td>
<td>Dan Schropp (<a href="mailto:daniel-schropp@uiowa.edu">daniel-schropp@uiowa.edu</a>)</td>
</tr>
<tr>
<td>Service Centers</td>
<td>varies by service center area</td>
</tr>
<tr>
<td>Purchasing</td>
<td>John E. Watkins (<a href="mailto:john-e-watkins@uiowa.edu">john-e-watkins@uiowa.edu</a>)</td>
</tr>
<tr>
<td>Encumbrance corrections(June only)</td>
<td>AFR org contact (<a href="http://afr.fo.uiowa.edu/contact-us">http://afr.fo.uiowa.edu/contact-us</a>)</td>
</tr>
<tr>
<td>A/P &amp; Travel vouchers</td>
<td>Dani Weber (<a href="mailto:danielle-f-weber@uiowa.edu">danielle-f-weber@uiowa.edu</a>)</td>
</tr>
</tbody>
</table>
| AFR - Web Applications           | Central email ([accounting-services@uiowa.edu](mailto:accounting-services@uiowa.edu))  
|                                  | Carolyn Gritton ([carolyn-gritton@uiowa.edu](mailto:carolyn-gritton@uiowa.edu))  
|                                  | Tammy Buchmayer ([tamara-buchmayer@uiowa.edu](mailto:tamara-buchmayer@uiowa.edu)) |
| AFR - Electronic Financial Reports| Central email ([as-efr@uiowa.edu](mailto:as-efr@uiowa.edu))  
|                                  | Joel Uden ([joel-uden@uiowa.edu](mailto:joel-uden@uiowa.edu))  
|                                  | Carolyn Gritton ([carolyn-gritton@uiowa.edu](mailto:carolyn-gritton@uiowa.edu)) |
| Budget Development/Web Budget    | Cathy Hagen ([cathy-hagen@uiowa.edu](mailto:cathy-hagen@uiowa.edu)) |
| Gifts, Grants & Contracts        | GAO org contact ([http://gao.fo.uiowa.edu/contact-us](http://gao.fo.uiowa.edu/contact-us)) |
| Treasury Operations/eDeposit     | Scott Godsil ([scott-godsil@uiowa.edu](mailto:scott-godsil@uiowa.edu)) |
How can you view deadlines?

View in a calendar format

http://afr.fo.uiowa.edu/calendar/month/2014-07

View in a list format

http://afr.fo.uiowa.edu/calendar/category/year-end-fy14-close

Year-end FY14 Close

- WhoKey Budget/Balance Closeout worksheets due
  - (All day)
  - WhoKey Budget & Balance Closeout worksheet updates are due to Accounting & Financial Reporting

- Check for due dates of UI Foundation payment authorizations
  - (All day)
  - Check for due dates of University of Iowa Foundation payment authorizations for transfers of funds to University gift accounts. Calendar will be at UI Foundation Announcements

- Travel Expense vouchers to record in FY14 for completed travel prior to June 1 due
  - (All day)
  - Travel Expense vouchers to be recorded in FY14 for travel completed prior to June 1 must be in the Accounts Payable and Travel department by the end of today. This includes eVouchers for travel.

- Biweekly payroll period 5/25-6/7 due to Payroll Office
  - (5:00 pm)
  - The biweekly payroll for the period 5/25 through 6/7 with a check date of 6/17 is due to the Payroll Office and will be charged against FY14 in June Close (period 12)
Adding Dates to Outlook Calendar

- Download calendar of all deadlines
  
  [http://afr.fo.uiowa.edu/calendar/all-upcoming](http://afr.fo.uiowa.edu/calendar/all-upcoming)

- Download individual deadlines

```
Summary of All Deadlines

View deadlines in calendar format
Download calendar file of all deadlines (.ics) Last updated Tuesday, May 6, 2014

Friday, June 6, 2014 (All day)
Travel Expense vouchers to be recorded in FY14 for travel completed prior to June 1 must be in the Accounts Payable and Travel department by the end of today. This includes eVouchers for travel.

Year-end FY14 Close
```
Special Reminder – Flood Accounts

- Do not close or sweep your Fund 275 flood accounts at year end!
- Why not? This removes FEMA-eligible expenses from the database.
- Central Admin will sweep expenses from those accounts as they are reimbursed by FEMA – or considered ineligible.
Cash Handling Controls Implementation

Selina Martin

Associate Controller
AFR & CAM
Controllers Office, Finance & Operations
Results – FY15 Changes Affecting all Cash Handling Units

What we told you in January...

- A separate local cash handling procedure for each payment receipt location.
- A specific employee name for each required cash handling role (maintained in the Institutional Roles application).
- New role - Cash Handling Control Manager
- Org-level Budget Officers in approval path
- Update every 3 years or as changes occur
Update Cash Handling Template

What’s new?

- Cash handling roles & definitions (new roles)
- Employee name & title for each required cash handling role
- Physical address of specific payment receipt locations
- Additional information if you accept credit cards for payment
New Roles

• Department Cash Handling Role Administrator
  ✓ Communicate with local cash handling control managers
  ✓ Update cash handling roles at the sub-department level
  ✓ Monitor cash handling training compliance

• Local Cash Handling Control Manager
  ✓ Maintain strong internal controls & safeguarding against loss
  ✓ Update & submit local cash handling procedures as needed
  ✓ Notify the Dept CH Role Administrator of changes in roles
Cash Handling Roles

This person can be the Department Administrator (DA) or any other individual deemed appropriate by the Budget Officer.
# Cash Handling Roles and Responsibilities

<table>
<thead>
<tr>
<th>Department Level</th>
<th>New Policy</th>
<th>Description of Role</th>
<th>Audit Control</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Department Cash Handling Role Administrator</strong></td>
<td><strong>Required Role</strong>&lt;br&gt;This person can be the Department Administrator (DA) or any other individual deemed appropriate by the Budget Officer.</td>
<td>✓ Maintain timely, accurate &amp; effective communication will all local cash handling control managers in the department.&lt;br&gt;✓ Update cash handling roles for all payment receipt locations at the sub-department level in a timely and accurate manner.&lt;br&gt;✓ Monitor cash handling training compliance for all payment receipt locations in the department.</td>
<td>None</td>
</tr>
<tr>
<td><strong>Local Cash Handling Control Manager</strong></td>
<td><strong>Required Role</strong>&lt;br&gt;We recommend that this person be someone different than any of the individuals in the roles. However, if no other option is available, it may be the same person as the Cash Collection Point Supervisor.</td>
<td>✓ Maintain strong internal controls for payment collections at the payment receipt location level and safeguarding against loss.&lt;br&gt;✓ Annually, or when staff roles change, review local cash handling procedures and update as needed. At minimum, resubmits procedures every 3 years to AFR for approval.&lt;br&gt;✓ Notify the Departmental Cash Handling Role Administrator of changes in roles.</td>
<td>No overlap in roles except with Cash Collection Point Supervisor</td>
</tr>
<tr>
<td><strong>Billier</strong></td>
<td><strong>Optional Role</strong>&lt;br&gt;We recommend that this person be a different individual than any of the other roles. However, if no other option is available, it may be the same person as Reconciler.</td>
<td>✓ Create and send invoices&lt;br&gt;✓ Record sales as appropriate&lt;br&gt;✓ Update the accounts receivable system</td>
<td>No overlap in roles except with Reconciler</td>
</tr>
<tr>
<td><strong>Level</strong></td>
<td><strong>Required Role</strong></td>
<td>✓ Conduct cash transactions with customers&lt;br&gt;✓ Provide a receipt to customer paying in person&lt;br&gt;✓ Endorse all checks immediately upon receipt with a restrictive endorsement.</td>
<td></td>
</tr>
</tbody>
</table>

[http://afr.fo.uiowa.edu/files/afr.fo.uiowa.edu/files/Cash%20Handling%20Responsibilities%20of%20Roles.pdf](http://afr.fo.uiowa.edu/files/afr.fo.uiowa.edu/files/Cash%20Handling%20Responsibilities%20of%20Roles.pdf)
Institutional Roles Application

» BUDGET OFFICER (ORG)

» DEPARTMENT CASH HANDLING ROLE ADMINISTRATOR (DEPARTMENT)
  » 1. CASH HANDLING CONTROL MANAGER (SUB-DEPARTMENT)
  » 2. BILLER (SUB-DEPARTMENT)
  » 3. CASH COLLECTION POINT CASHIER (SUB-DEPARTMENT)
  » 4. CASH COLLECTION POINT SUPERVISOR (SUB-DEPARTMENT)
  » 5. DEPOSIT PREPARER (SUB-DEPARTMENT)
  » 6. RECONCILER (SUB-DEPARTMENT)
Institutional Roles Application

1. Cash Handling Control Manager (Sub-Department)
   - Assigned to: HADDY, AUDRA W WILLEY
   - VP Finance & Operations: Business Office: Grant Accounting (05-0305-3000)

2. Biller (Sub-Department)
   - Assigned to: DILLAVOU, TRAVIS
   - VP Finance & Operations: Business Office: Grant Accounting (05-0305-3000)

3. Cash Collection Point Cashier (Sub-Department)
   - Assigned to: HUBER, CHRIS R
   - VP Finance & Operations: Business Office: Grant Accounting (05-0305-3000)

4. Deposit Preparer (Sub-Department)
   - Assigned to: ROE, SHERREY L
   - VP Finance & Operations: Business Office: Grant Accounting (05-0305-3000)

5. Reconciler (Sub-Department)
   - Assigned to: KOSKEY, JOANN MARIE
   - Senior Financial Analyst (Position #: 001253937)
   - VP Finance & Operations: Business Office: Grant Accounting (05-0305-3000)
What do you need to do now?

1. **Resubmit** your cash handling procedures using the new template ([http://afr.fo.uiowa.edu/cash-handling/cash-handling-deposits/cash-handling-deposit-procedures](http://afr.fo.uiowa.edu/cash-handling/cash-handling-deposits/cash-handling-deposit-procedures)).

2. **Populate** “Cash Handling Roles” category in the *Institutional Roles* application ([http://afr.fo.uiowa.edu/instructions-assigning-cash-handling-roles](http://afr.fo.uiowa.edu/instructions-assigning-cash-handling-roles))

3. **Include** your Org-level Budget Officers in approval path when submitting local Cash Handling procedures

4. **Update** every 3 years or as changes occur

Due date: August 15, 2014 (#1 & #2)
What’s next?

✓ Monthly review of policy submission compliance.
✓ AFR spot checks/visits to units.
✓ eDeposit access allowed only for departments with approved procedures.
✓ Build a tool/report to allow managers to efficiently check for training compliance.
✓ Mini-courses for each cash handling role.
Federal Grant Reform

Audra Haddy

Associate Controller & Director of Grant Accounting
Controllers Office, Finance & Operations
Federal Grant Reform

- New OMB Uniform Guidance
- Changes to Payment Management System Subaccounts for HHS awards
Initiated with two directives from President Obama:

- November 2009 Executive Order 13520 on reducing improper payments and eliminating waste in Federal programs
- February 2011 Presidential Memorandum on promoting administrative flexibility

Directed OMB to find ways to reduce administrative burden while improving oversight and accountability for federal grant funds
October 2011, OMB created the Inter Agency Council on Financial Assistance Reform or COFAR

- Includes Controller of OMB and senior policy officials from eight largest federal grant making agencies
- Collaborated with State and local governments, Indian tribes, research and higher education institutions, nonprofit organizations, and the audit community
- Published two reform proposals February 2012 & February 2013
New Uniform Guidance (2 CFR 200) released December 26, 2013

- Effective for all new awards and incremental funding awarded on or after December 26, 2014
- Audit requirements (Subpart F) will apply to audits of fiscal years beginning on or after December 26, 2014 -- for us, this will be fiscal year 2016 (July 1, 2015-June 30, 2016)

Uniform Guidance - Overview

- Subpart A: Acronyms and Definitions
- Subpart B: General Provisions
- Subpart C: Pre-award Requirements & Contents of Federal Awards
- Subpart D: Post Federal Award Requirements
- Subpart E: Cost Principles
- Subpart F: Audit Requirements
- Appendix I: Funding Opportunities
- Appendix II: Contract Provisions
- Appendix III: Indirect Costs
COFAR – other priorities:

- Risk-Based Guidance Targets Burden and Waste, Fraud & Abuse
  - Establish metrics for guidance (March 2014)
  - Federal agencies submit draft regulations to OMB (June 2014)
  - Additional training webcasts planned (June 2014)
- Audit Resolution
  - Complete framework for 2014 Compliance Supplement w/preview of guidance implementation (March 2014); Publish (April 2014)
  - Publish proposal to revise Data Collection Form and SEFA (December 2014)
- Workforce Development
- Grants Data Standardization
Uniform Guidance – Our Next Steps

Now...
- Central staff meeting to review & identify process, policy and/or system changes
- Provide preliminary overview to campus

By December...
- Obtain institutional knowledge & expertise
- Update processes, systems & policies
- Educate university faculty and staff
Internal Controls
- Identifies best practices, but doesn’t require...uncertainty as to how Audit community will define

Procurement
- Methods of procurement are more detailed and prescriptive...including some question as to documentation requirements related to small purchases ($3001 to $24,999.99) and non-competitive purchases
Sub-recipient Monitoring and Management

- Requires evaluation of each sub-recipient’s risk of non-compliance
- Includes specific monitoring requirements - both financial and performance
- Higher A-133 threshold ($500K to $750K) will result in additional monitoring
- Fixed price sub-award agreements require prior written approval
Record Retention

- Allows electronic collection, storage & transmission
  - When original records are electronic and cannot be altered, there is no need to retain paper copies
  - Electronic versions may be substituted for paper if periodic quality control reviews, safeguards against alteration and remain readable
- Not consistent with FAR requirements
Costing

- Computing devices are allowed when allocable and essential for the project
- Publication costs that occur after the performance period, but before close out are allowed
- Clerical and administrative salaries are allowed... no longer restricted to Major Project requirement, but do require:
  - Integral to project; individuals can be specifically identified with project; explicitly included in budget or have prior written approval; costs are not recovered as indirect costs
Changes to Payment Management System Subaccounts

- HHS issued a directive to all its agencies requiring transition to payment for grant awards to Payment Management System (PMS) subaccounts
  - Historically, most payments for HHS awards have been made via pooled accounts in PMS; quarterly reports were submitted to identify the amounts drawn per award
  - With the subaccount method, HHS will be able to better track obligations and payments by award to enhance financial data integrity and financial closeout for all awards
- NIH and AHRQ have released guidance indicating how the transition will occur
  - Transition of all new and competing continuations started in FY14
  - Transition of non-competing continuations will start in FY15 (starting 10/1/2014)
    - The original competitive segment will be separated into two shorter competitive segments requiring an “extra” Federal Financial Report
HHS policy requires all reports for closeout to be submitted within 90 days after the project end date.

With subaccounts, PMS will hold payment requests for awards 90 days beyond the project end date.

- Sponsor approval is required to process payment.
- Starting with awards with end dates after 9/30/14,
  - HHS policy stipulates that unilateral closeout will occur \textit{without receipt of required reports} within 180 days at last recorded drawdown level.
  - Recurring grantee reporting problems could result in corrective actions...withholding further awards, suspension or termination, removal of authorities (SNAP, automatic carryover) on active grants.

- Timely close out of grants must be a priority.
Preq Receiving Function

Karen Housel
Associate Director, Accounts Payable
Business Services, Finance & Operations

“Our terms are net 30 days. If you don’t pay after 30 days, we come after you with a net!”
PReqs & Desktop Receiving

- Electronic receiving for goods and services in PReqs is required for orders meeting the following criteria:
  - The purchase requisition total is greater than or equal to $10,000
  - The IACCT on the purchase requisition is 6730 or 6740 (and effective 7/1/2014 6731)
  - The purchase requisition total is greater than or equal to $5,000 and the IACCT is between 6200-6235
PReqs & Desktop Receiving cont:

- Receipts should ONLY be entered when the goods and services are received and in working order. Entering a receipt before the item is actually received is a fraudulent practice, which can result in inaccurate payments and reporting as well as a misuse of funds.

- If a receipt is not entered and the invoice is processed:
  - The voucher becomes a match exception
    - Accounting entries will not be created for the voucher
    - Payment to the vendor will not be made until the receipt is entered
Match Exceptions for Receiving

- On an average day more than 925 vouchers are entered, of those:
  - More than 1800 voucher lines are created
  - More than 330 voucher lines create exceptions
  - More than 200 vouchers lines create exceptions when an electronic receipt has not been entered
Match Exceptions for Receiving cont:

- Accounts Payable will follow up on match exceptions if a receipt is not entered.
- In cases where goods or services have not been provided as invoiced, please work with the purchasing agent listed on the purchase order.
INSTITUTIONAL DATA USERS GROUP

May 15, 2014
Budget Officers Meeting
Institutional Data – all data created, collected, maintained, recorded or managed by the university
## Institutional Data

### Institutional Data Users Group

<table>
<thead>
<tr>
<th>Inst Data</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Financials – GL, AM, APPO</td>
<td>University Data Warehouse</td>
</tr>
<tr>
<td>Cumulative Compensation</td>
<td>University Data Warehouse</td>
</tr>
<tr>
<td>Grant Accounting Post-Award Management</td>
<td>University Data Warehouse</td>
</tr>
<tr>
<td>Human Resources</td>
<td>University Data Warehouse</td>
</tr>
<tr>
<td>MAUI (Admissions, Student Records, Financial Aid, Billing)</td>
<td>University Data Warehouse</td>
</tr>
<tr>
<td>Pre-award Proposal</td>
<td>SPRIE</td>
</tr>
<tr>
<td>Facilities Management (space, energy consumption, …)</td>
<td>Local</td>
</tr>
<tr>
<td>Clinical (UIHC, Dentistry)</td>
<td>Local</td>
</tr>
<tr>
<td>Student Housing</td>
<td>Local</td>
</tr>
<tr>
<td>Identity Management Information</td>
<td>Identity Data Warehouse (IDW)</td>
</tr>
</tbody>
</table>
IDUG Overview

**Purpose** – Foster collaborative environment to promote awareness and share information about Institutional Data

**Membership** – any UI staff interested in or who accesses Institutional Data

**Governance**
- Institutional Data Governance Team
- IDUG Executive Committee
- IDUG Members

**Activities**
- Monthly Meetings
- Training Opportunities
- Special Interest Groups
University Data Warehouse

dwprod toast.its.uiowa.edu
1 Oracle Database
6 TERABYTES of Storage
14 Subject Areas
27 Tables with over 100,000,000 rows
2,000 User Accounts
1,313,000 Avg. Connections Per Month
1997 Year first Module was Implemented
1,567 Subject Area Tables
3,637 Subject Area Indexes
307 Subject Area Views
4 Oracle DBA's
DW Overview

Institutional Data Users Group

**OLTP**
- PS HRIS
- MAUI
- PS Financials
- Grant Accounting

**ETL**
- Oracle Export/Import
- Java and PL/SQL code
- Oracle Data Pump
- SQR jobs

**DW**
- Operational Data Store
- Denormalized
- Aggregations
- Pivot Tables
- Views

**DW Access Techniques**
- SQL Queries via Tools
  (MS Access, DB Vis, etc.)
- SSRS Reports
- Application Delivered Reports

**DW Modeling Frameworks**
- EXTRACT TRANSFORM & LOAD
- ONLINE TRANSACTIONAL PROCESSING
DW VISION

Institutional Data Users Group

DW Full Test Environment
• Data Warehouse Test environment with complete data for testing enhancements and performance tuning

NEW SUBJECT AREAS
• Facilities, Advisor Dashboard, Academic (ICON)

STAR SCHEMA MODELS
• Process Based STAR Marts for efficient dimensional analytical processing

WEB PRESENCE
• Launching points for multiple subject areas
• Frequently Asked Questions
• Support Avenue

UNIFIED DATA DICTIONARY
• Common format and interface for DW Meta Data

Departmental / Service Unit View Management
• Methodology for externally owned/developed views within dwprod

BUSINESS INTELLIGENCE SOLUTIONS
• Increased Utilization of BI toolsets, such as MS Excel Power View, Power Pivot, MS SQL Services Analytical Server, Tableau

SECURITY
• Removal or advanced protection of Personally Identifiable Information
### Institutional Data Users Group

**Subject Area** | **MAUI: BILLING**
---|---
Schema: | MAUI
Sub Category: | Billing
Departmental Owner: | Cashiers Office
Data Steward: | Marty Miller
  | Director, Billing Information Systems
  | (Miller, Marty D marty-miller@uiowa.edu)
Description of data: | Represents data from MAUI Billing tab components. This includes data for processes such as Resource Management, University Billing, Payment Processing, Student Assessment and Tuition and Fees.
Data Load schedule: | Daily
Refresh Strategy: | Preserve Historical and reload current daily
Model Strategy: | Operational Data Store (no remodeling done)
Historical snapshots: | Snapshot data is available for predefined points in time within sessions and academic calendar year as well as Fiscal Year and Period.
Effective Dating: | Current Daily is default data. Snapshot Based data. Some of the tables are effective dated by session, thus requiring consumer to find currently effective row. Most tables are designed such that if effective dating exists there is a IS_CURRENT column.
Request Access | [https://apps.its.uiowa.edu/forms/maui-access](https://apps.its.uiowa.edu/forms/maui-access)
Contact for Help: | maui-billing@uiowa.edu
Data Dictionary URL: | [https://www.maui.uiowa.edu/maui/reports/data-dictionary/dashboard.page](https://www.maui.uiowa.edu/maui/reports/data-dictionary/dashboard.page)
Schema Model: | High Level Overview
Supplemental Documentation: | [https://wiki.uiowa.edu/download/attachments/108451569/Billing%20MAUI%20DW%20High%20Level%20Overview.pdf?version=1&modificationDate=1382473509060&api=v2](https://wiki.uiowa.edu/download/attachments/108451569/Billing%20MAUI%20DW%20High%20Level%20Overview.pdf?version=1&modificationDate=1382473509060&api=v2)
IDUG Next Session

UCC2520-D
2nd Wednesday of Each Month
8:30 – 10:00

For IDUG Executive Committee and Session Feedback or Ideas
IDUG-FEEDBACK@IOWA.UIOWA.EDU

For IDUG Peer to Peer Discussion, Collaboration and Sharing
IDUG-DISCUSSION@LIST.UIOWA.EDU

IDUG Website
http://itcommunities.uiowa.edu/content/institutional-data-users-group
THANK YOU