Grants Management Analysis

FI_GM_310

IRIS
Integrated Resource Information Systems
Prerequisites

- Prerequisites
  - UK_100  – SAP Awareness & Navigation
  - FI_200  – Finance Overview
Course Content

• Introduction
• Unit 1 – Master Data
• Unit 2 – Budgets
• Course Summary
Learning Objectives

• You will be able to explain:
  ♦ Master data
  ♦ Process changes
  ♦ Key terminology

• You will be able to:
  ♦ Display Master Data
  ♦ Display Budgets
  ♦ Run reports
**SAP – Modules**

**New dimension**

**Products**

- **BW**

**Note: Phased Implementation approach**

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R/3 = refers to the SAP application providing real-time access to information using a three-tier system architecture. The three components of this architecture are the information database, the transaction application server, and the user desktop.

ABAP/4 = Advanced Business Application Programming, SAP’s 4th generation programming language.

BW = Business Warehouse or Business Intelligence – Reporting tool

MM = Materials Management. MM contains both the purchasing functionality and Inventory Management

FI = Financial Accounting. FI is external, statutory reporting. It includes Accounts Receivable, Accounts Payable, General Ledger and Special General Ledger. It is the backbone of everything else, which is why it is going live first.

CO = Controlling. Controlling includes Cost Center Accounting and Internal Orders.

GM = Grants Management (used for grants and land grants)

FM = Funds Management (used to record and track budgets)

CM = Campus Management: Contract (student) Accounting, Visitor’s Center, and Event Planning

HR = Human Resources, including Payroll
Key Terminology Changes – Grants

<table>
<thead>
<tr>
<th>Before SAP</th>
<th>In SAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant, Contract, Cooperative Agreement</td>
<td>Grant Type</td>
</tr>
<tr>
<td>Sponsored Project (Ledger 4)/Grant</td>
<td>WBS Element/Grant</td>
</tr>
<tr>
<td>Sponsor</td>
<td>Business Partner; Sponsor; Customer</td>
</tr>
<tr>
<td>Prime and Scopes</td>
<td>Prime/Scope/Prime with Scopes</td>
</tr>
<tr>
<td>PCS Code</td>
<td>Functional Area</td>
</tr>
<tr>
<td>Dept No. &amp; PCS Code</td>
<td>Sponsored Program</td>
</tr>
<tr>
<td>Object Codes</td>
<td>G/L Accounts; Commitment Items; Sponsored Class</td>
</tr>
<tr>
<td>ABR Rule</td>
<td>BudRule</td>
</tr>
<tr>
<td>Sponsor ID number</td>
<td>External Reference</td>
</tr>
<tr>
<td>F&amp;A Rate</td>
<td>Indirect Rate</td>
</tr>
</tbody>
</table>

- Changes made are through Accounts Receivable & Sales
Introduction to Grants Management

- Grants Management is a module designed to provide institutes of higher education with an integrated tool to:
  - Plan, budget, identify, obtain, and record all funding related to sponsored projects
  - Differentiate between eligible and ineligible costs
  - Bill and record sponsor amounts
  - Record and report all related costs, revenues, and required statistical information
Grant Master Data Definitions

- **Grant** – Financial and legal rules agreed upon by UK and the sponsor
- **WBS Elements** – Used for posting costs. Number = Grant Number
- **Grants Management Assignments** – Associates WBS Element to a Sponsored program
- **Derivation Strategy for FM Objects** – Associates WBS Element to Fund
- **Groups** – Used in SAP to facilitate reporting. Most standard SAP reports can be run using individual values or groups.
  - Grant group
  - Sponsored Program groups
  - Sponsored Class groups
Unit 1 – Master Data

• Display Grant
• Display Grant Group
• Create a Grant Group
• Display Sponsored Program
• Create a Sponsored Program Group
Display Grants

- Contain financial conditions and legal rules agreed upon by the sponsor and the University which may require financial reporting.
- Grants can cover project costs partially or in total
- It has a limited life cycle, split into phases, indicated by a status in GM as follows:
  - **Proposal; Draft**: The proposal is a complete formal document, including budget
  - **Award; Expected**: The sponsor has indicated that the grant will be approved, but the fully executed award has not been received.
  - **Award; Award**: The sponsor approves the grant and a fully executed award is received
  - **Award; 30 days to End Date**: The award is 30 days from expiring, the award is closed to new commitments.
Display Grants

- Life cycles continued:
  - **Closing/Ended**: If an award is expired and is only open for central department processing (ex. 30–60 days after end date)
  - **Closing/30+ Days Past End**: The grant has expired and is open only to SPA staff entries (ex. >60 days after end date)
  - **Closing/Accounting Review**: The grant has expired, and is closed to all postings except the financial administrator closing the grant. No further entries are allowed,
  - **Closing/Financially Closed**: The final report has been completed and waiting on final cash receipt.
  - **Closed/Closed**: The final report has been completed and the final cash receipt has been posted. Ready for records retention tracking.
  - **Cancelled/Rejected by Sponsor**: Grant was terminated for internal reasons or the sponsor rejected the application.
  - **Grant must be in Award status in order to begin posting**
**Display Grants**

- Use transaction GMGRANTD to display a grant
### Grant Master Data – By Tab (1)

<table>
<thead>
<tr>
<th>Tab</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td>Contains important information like the sponsor, the grant value and the validity dates of the grant.</td>
</tr>
<tr>
<td>Address</td>
<td>Contains the address information for the department at UK.</td>
</tr>
<tr>
<td>Responsibilities</td>
<td>Contains all responsible persons and/or positions associated with the administrative, business or technical aspects of this grant.</td>
</tr>
<tr>
<td>Reference</td>
<td>Contains the external sponsor reference numbers, Catalog of Federal Domestic Assistance (CFDA) numbers, letter of credit numbers and internal reference numbers associated with this grant.</td>
</tr>
</tbody>
</table>

- The **General tab** contains important information like the sponsor, the grant value and the validity dates of the grant.
- The **Address tab** contains the address information for the department at UK.
- The **Responsibilities tab** contains all responsible persons and/or positions associated with the administrative, business or technical aspects of this grant.
- The **Reference tab** contains the external sponsor reference numbers, Catalog of Federal Domestic Assistance (CFDA) numbers, letter of credit numbers and internal reference numbers associated with this grant.
Grant Master Data – By Tab (2)

- The **Posting tab** contains posting activity types and allow the user to determine if all or specific postings are blocked on this grant.
- The **Budget tab** contains the fiscal year variant of the grant and how the budget will be split. It also displays information about the format in which budget information will be displayed in other areas of the grants management system. The green box indicates where the money is.
- The **Dimensions tab** contains both external and internal funds used to record expenses and revenues associated with this grant. The sponsored program and sponsored class sections display information about how the grant will be budgeted. The sponsored class section also details whether the sponsored classes will be relevant for recording facilities and administrative costs associated with the grant.
• The **Supported objects** tab contains the funds, sponsored program and sponsored class combinations recorded on the dimensions tab. It will allow certain combinations to be used for budgeting only or posting of actual expenses only. For example, the grant may have a sponsored class designated as a budget only line for salaries and benefits. In this case the budgeting allowed column would be checked, but the actuals column would be blank.

• The **Overhead Costs** tab contains the rule used to record the Facilities and Administrative Costs (F&A costs), as well as the validity dates for each rate. If the overall F&A costs are capped for this grant, this will display in the first overhead cost limit section of the screen. If the F&A costs are capped for specific sponsored classes, this will be displayed in the second overhead cost limit section of the screen.

• **F & A** – Facilities and Administration
Grant Master Data – By Tab (4)

- The **F&A Info** tab contains all information relevant for the calculation of the F&A rate
- The **Billing** tab contains information about the type of billing rule and the sales document used for grant funds recovery or billing purposes
- The **Payment** tab contains the customer information for payment
- The **Reporting** tab contains all information required for external and internal reporting
- The **Cost Share Data** tab contains the cost share method, validity dates, associated cost centers, reporting frequency and reportable information
- The **Award Data** tab contains all the years for the award and the award amount for each year
Display Grant Master

Do exercise 1.1

Display Grant – GMGRANTD
WBS Elements

- Costs are posted to grants using WBS elements
- A Grant related WBS elements has the same number as the grant for which it is created
- The WBS element needs to be associated with a Sponsored Program through GM Assignments (GMDERIVER)
- The WBS element needs to be associated with a fund through FM Assignments (FMDERIVER)
Display a WBS Element

- Transaction CJ03
- Same number as Grant

- The WBS element And Project Def are the Same
Sponsored Classes

- Used to group revenue and expenses for reporting. G/L expense and revenue account are assigned to a Sponsored class.
- A Sponsored class can represent a single G/L account or a group of G/L accounts.
- Example:
Sponsored Class – GMCLASS

• Relationship of the sponsored class to the budget is dependent upon the Budget rule assigned to the grant
Sponsored Classes

- There is a spreadsheet located on OSPA’s website that gives you the g/l account breakout by sponsored class. The first three columns show the budget class by budget rule.

http://www.rgs.uky.edu/ospa/resources/sponsoredclass.xls

<table>
<thead>
<tr>
<th>Budget posted for Budget Rule 4</th>
<th>Budget posted for Budget Rule 5</th>
<th>Budget posted for Budget Rule 6</th>
<th>Sponsor Class</th>
<th>Direct Expense allowed on grant</th>
<th>Sponsor Class Description</th>
<th>G/L Accounts</th>
<th>Revised short title</th>
</tr>
</thead>
<tbody>
<tr>
<td>201A</td>
<td>$510000</td>
<td>$500000</td>
<td>B511000</td>
<td>*</td>
<td>Direct Salary &amp; Benefits</td>
<td>510000</td>
<td>Personnel</td>
</tr>
<tr>
<td>4511000</td>
<td></td>
<td></td>
<td>B511000</td>
<td>*</td>
<td>Faculty Salary</td>
<td>511011</td>
<td>Faculty-PT Reg./St</td>
</tr>
<tr>
<td>5511000</td>
<td></td>
<td></td>
<td>B511000</td>
<td>*</td>
<td>Faculty Salary</td>
<td>511012</td>
<td>Faculty-PT Nonprod</td>
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<tr>
<td>5511000</td>
<td></td>
<td></td>
<td>B511000</td>
<td>*</td>
<td>Faculty Salary</td>
<td>511013</td>
<td>Faculty-PT Prom/Tm</td>
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<tr>
<td>5511000</td>
<td></td>
<td></td>
<td>B511000</td>
<td>*</td>
<td>Faculty Salary</td>
<td>511014</td>
<td>Faculty-PT Doc/Bon</td>
</tr>
<tr>
<td>5511000</td>
<td></td>
<td></td>
<td>B511000</td>
<td>*</td>
<td>Faculty Salary</td>
<td>511021</td>
<td>Lecturer-PT Reg./St</td>
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</tbody>
</table>
Groups

Groups in SAP are used to facilitate reporting. Most standard SAP reports can be run using individual values or groups.

- **Grant Group** – used for consolidating multiple grants for reporting purposes. Example: An investigator asks the college grants officer for a report of budget and actual expenses on all grants for which she/he has responsibility.

- **Sponsored Class Groups** – group Sponsored classes together for reporting purposes. Example: A group may be created to display all salaries (faculty or staff) as one line item on a standard SAP report. SPA creates the groups.

- **Sponsored Program Groups** – sponsored programs need to be grouped for reporting purposes. Example: All grants in the department of Animal and Food Sciences.
Create Grant Groups – GM_SETS_GRANT1

• A group can be created which groups individual grants
  • Example:
  • Grants
  • OR

• A group can also be created which combines multiple grant groups
  • Example:
  • Grants in both the LC And the BC Group
Create Grant Groups

- Enter Group Name
- Press
- Enter a description
- Click on Grant
- Enter your grants
- Save
Create Grant Groups

Do exercise 1.2

Create Grant Groups – GM_SETS_GRANT1
Sponsored Program

• It is used to classify revenues and expenditures of a grant by mission
• Sponsored programs are linked to grants via assignment to a WBS element
Display Sponsored Program – GMPROGRAM

Enter sponsored program and click on display

Assignments for Funds Management to enable budget transfer
Sponsored Program Groups

• Various sponsored programs may be grouped for reporting purposes.
• Example:
  • Federal formula-funded research programs in the College of Agriculture
  • All grants in the department of Internal Medicine, regardless of functional area
Sponsored Program Groups GM_SETS_SPPROG1

- Enter Group Name
- Enter a description
- Click on [Support Program]
- Enter your sponsored programs
- Save
Sponsored Program

Do exercises 1.3 and 1.4

Display a Sponsored Program – GMPROGRAM

Create a Sponsored Program Group – GM_SETS_SPPROG1
Unit 1 – Summary

You are now able to:

• Display Grants
• Create Grant Groups
• Display WBS Elements
• Display Sponsored Classes
• Display Sponsored Programs
• Create Sponsored Program Groups
Unit 2 - Budgets

• Display Budget
• Budget Overview
• Budget vs. Commitment/Actuals
You can see an overview of the budget for a grant by using budget overview.

### GM Budget Overview

**Overview**

- **Grant**: 7698741124
- **Budget Version**: FULL
- **Document Type**: GRANT
- **Reason Code**:

**View Options**

- Received
- Unreceived
- Whole
- Posted

### Budget Data

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
<th>Budget</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Funds</td>
<td>Total</td>
<td>139,638.00</td>
<td>0.00</td>
</tr>
<tr>
<td>External Funds</td>
<td>155,000.00</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>Externally Funded</td>
<td>155,000.00</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>Direct Costs</td>
<td>3,660.00</td>
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<td></td>
</tr>
<tr>
<td>Indirect Costs</td>
<td>19,092.00</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>159,380.00</td>
<td>0.00</td>
<td></td>
</tr>
</tbody>
</table>

**Notes**

- For more detailed information, refer to the GMGRANTD system.
GMAVCOVRW

- This T code will give you the overall grant balance and allows you to view the balance by sponsored class.
- Click on the “variant” button; choose “UK default variant”; click on green checkmark.
- Enter grant number.
- Click on “execute” button.
- Click on the Grant line.
- Click on the double drop-down button to expand your grant information into sponsored classes.
You can see an overview of the budget for a grant by using the transaction code for managing grants.

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**GM AVC Overview Report for Ledger 9K**

<table>
<thead>
<tr>
<th>Grant Fund</th>
<th>Program</th>
<th>Class</th>
<th>Consumable Budget</th>
<th>Consumed Amt</th>
<th>Available Amt</th>
<th>Deficit Ind.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0236593659</td>
<td>3044741100</td>
<td>195,000.00</td>
<td>71,112.15</td>
<td>124,587.85</td>
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<td></td>
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<tr>
<td>0236593659</td>
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<td>195,000.00</td>
<td>71,112.15</td>
<td>124,587.85</td>
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<tr>
<td>E011609</td>
<td>E011609</td>
<td>2,000.00</td>
<td>2,000.00</td>
<td>0.00</td>
<td>1,491.45</td>
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<td>19,754.11</td>
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<td>6,086.99</td>
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<tr>
<td>E011609</td>
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<tr>
<td>E011609</td>
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<td>0.00</td>
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<tr>
<td>E011609</td>
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<td>8,000.00</td>
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<tr>
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<td>31,400.00</td>
<td>31,748.72</td>
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<td>348.72</td>
<td></td>
</tr>
</tbody>
</table>
Budget vs. Commit./Actual

- Use transaction code S_ALN_01000003 for the Budget vs. Commit./Actual report which will show you available balance and allows for the drill down on transaction.
- The Selection criteria allows you to choose to report on one grant, a range of grants, all grants (leave blank for all) or a grant group.
Budget vs. Commit./Actual

- Click on “variant” button
- Erase your user ID
- Click on “execute” button
- Choose
  - “Direct Exp” if you only want total direct balance
  - “Exp Only” if you want to direct & indirect balance
- Click on green checkmark.
- Enter grant number.  (Enter only after you have selected variant.)
- Click on “execute” button.
You can drill down on a transaction. Just click on the Reference number.

### Budget Vs. Commit/Actual Journal

<table>
<thead>
<tr>
<th>Grant</th>
<th>Budget/Actual</th>
<th>Posting Date</th>
<th>RefDocumen</th>
<th>Gl Acc</th>
<th>Sp Class</th>
<th>Budget Amnt</th>
<th>Invoice</th>
<th>Open Items</th>
<th>Available</th>
<th>Budget Amnt</th>
<th>Internal Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>09/15/2000</td>
<td>1000000000</td>
<td>12</td>
<td>6</td>
<td>4320</td>
<td>0.00</td>
<td>1,188</td>
<td>0.00</td>
<td>12,937.76</td>
<td>0.00</td>
<td>Expense Revenues [text]</td>
<td></td>
</tr>
<tr>
<td>09/15/2000</td>
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<td>39</td>
<td>40</td>
<td>4320</td>
<td>0.00</td>
<td>12,924.89</td>
<td>0.00</td>
<td>12,924.89</td>
<td>0.00</td>
<td>Expense Revenues [text]</td>
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</tr>
<tr>
<td>09/15/2000</td>
<td>1000000000</td>
<td>39</td>
<td>40</td>
<td>4320</td>
<td>0.00</td>
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<td>0.00</td>
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<tr>
<td>09/15/2000</td>
<td>1000000000</td>
<td>39</td>
<td>40</td>
<td>4320</td>
<td>0.00</td>
<td>12,924.89</td>
<td>0.00</td>
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<td>0.00</td>
<td>Expense Revenues [text]</td>
<td></td>
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<td>1000000000</td>
<td>39</td>
<td>40</td>
<td>4320</td>
<td>0.00</td>
<td>12,924.89</td>
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<td>39</td>
<td>40</td>
<td>4320</td>
<td>0.00</td>
<td>12,924.89</td>
<td>0.00</td>
<td>12,924.89</td>
<td>0.00</td>
<td>Expense Revenues [text]</td>
<td></td>
</tr>
</tbody>
</table>

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**Grants Management Analysis**

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On the Grants Management: Line Item Display report you can view a budget transfer and also see cash receipts.

Fill in the Company Code, Grant and click on execute.

Then click Select layout button and choose /GMVALUETYPE.

Select layout and choose /CASHONGRANT for the cash receipts on the Grant.
Unit 2 – Summary

- You are now able to:
  - Display a budget
  - Budget overview
Do Unit Two Review Questions

Refer to Exercise Booklet
Course Summary

• You can describe:
  ◆ Grants Management

• You are now able to:
  ◆ Display GM Master Data
  ◆ Display GM Budget
  ◆ Run Budget report