

SAP Grants Management

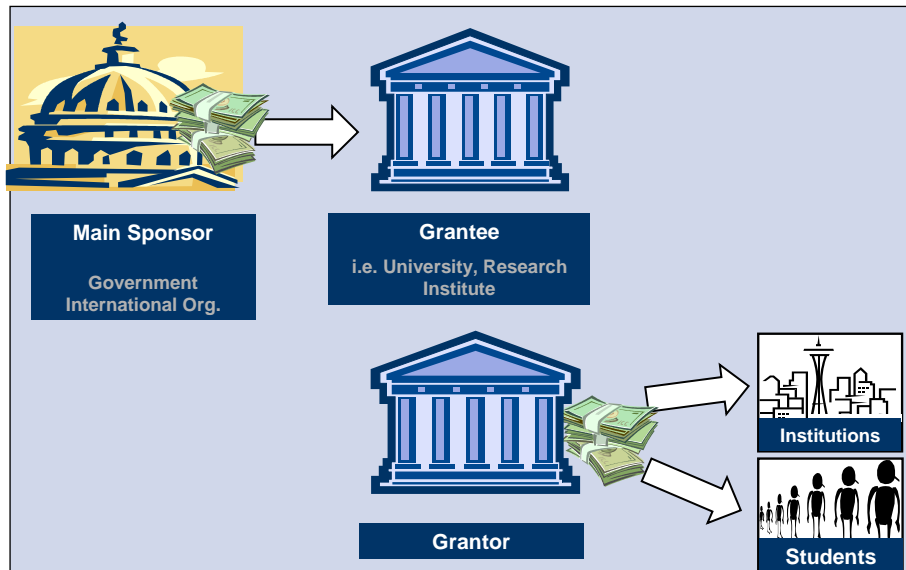
for Higher Education & Research

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Solution Management
IBU Public Services, SAP AG

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Grants and Financial Assistance in HER



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Solution Map 2004: Higher Education & Research

Financial Management & Decision Support	Strategic Enterprise Management	Budget Formulation	Budget Execution	Revenue Management	Financial Accounting	Managerial Accounting		
Institutional Development	Market Research & Analysis	Marketing	Fund Raising	Partner Management	Alumni Management			
Studies Management	Academic Program Planning	Resources & Scheduling	Teaching & Learning	Academic Advising & Career Placement				
Student Life Cycle Management	Recruitment, Prospects & Admissions	Student Registration	Academic Progress	Student Receivables	Financial Aid & Sponsoring			
Institutional Services	Campus Services	Online Services	Library & Media Management	Housing	IT Services			
Grants Management	Planning, Application & Preaward	Financial Accounting for Sponsored Programs	Reimbursement for Sponsored Programs	Reporting to Sponsors & Closeout	Grantor Management			
Research Management	Research Planning	Research Project Management	Research Information	Research Result Management				
Human Resource Management	Organization & Position Management	Recruitment	Personnel Administration	Time Management	Personnel Development & Training	Compensation & Benefits Administration	Payroll Accounting	
Material Management & Business Support	Procurement Process Management	Inventory Management	Facility Management	Reimbursable Services	Goods & Services Sales & Distribution	Real Estate Management	Cash Management & Treasury	Travel Management

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Grants in Campus Management

Grants in Grants Management

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Campus Management: FA calculation/grant evaluation

A typical US university administers about 800 - 1000 aid programs or grants. Each grant follows its own rules of who they support, what for and under which conditions.

SAP **Campus Management** supports the **automated** process of financial assistance.

It assigns the financial aid

- to **student** accounts
- keeping the grant's **conditions**
- in a **mass run**
- **offsetting** the aid against student **fees**.



Sponsoring with Campus Management

Sponsoring with Grants Management



Grants Management: Research and Teaching Grants

The University of Leeds has 2500 live grants. Each grant follows its own rules of who they support, what for and under which conditions.

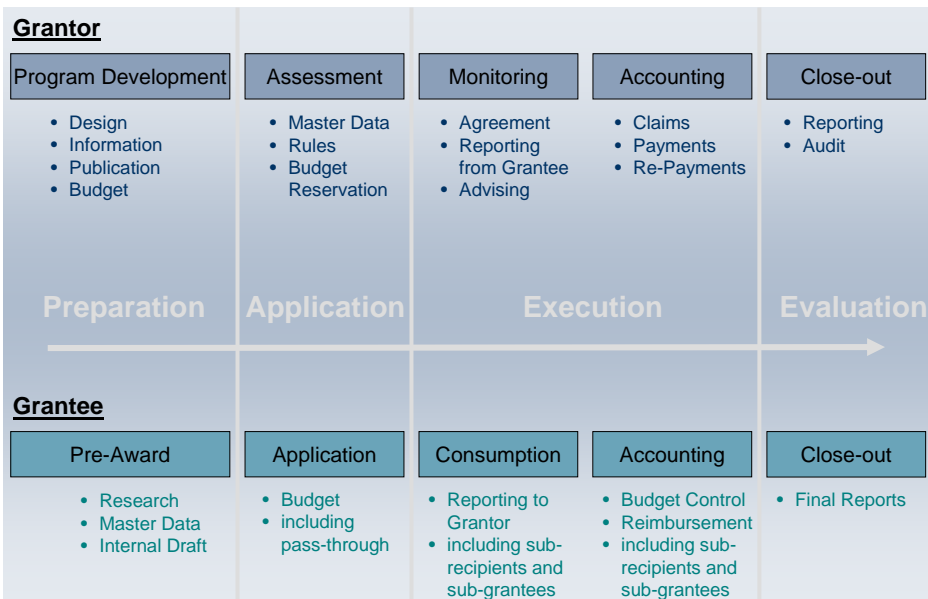
SAP Grants Management supports the financial **planning and management** of the grants an institution receives for **own** teaching and research purposes.

It serves to

- keep the grant's **conditions**
- **control** and **adjust** the budget management
- throughout the **life-cycle** of a grant
- **update on-line** every **financial** transaction
- follow the reporting and billing **schedules**.



Process Overview



How is it **integrated?**

Who needs Grants Management?

What is the basic **idea?**

Why did SAP develop Grants Management?

- **Governments: Federal, State and Local**
- **HER: Universities and Institutes**
- **Not-for-Profit Organizations**
- **International Organizations**

→ anyone receiving grants

■ First Customers are going live in 2004

- **Technion Institute, Israel**
- **Leeds University, UK**
- **Erie County, USA**
- **Other universities have signed; other pilots in the public sector**



■ Functionality

Manage grants efficiently:

- **Separate view: the sponsor's perspective**
- **Integration with internal financial, HR and information management**
- **Grant Life-cycle: from planning to close-out**
- **Indirect Cost Calculation**
- **Cost Sharing**
- **Different Billing Rules**
- **Reporting to management and sponsor**



Master Data

- **Sponsor** – Maintains the financial and administrative details such as Sponsor's name, contact information, fiscal year, currency, billing instructions and funds available carryforward rules.
- **Grant** – An object used to maintain details which describes the terms and conditions of the funding and administration of a Sponsor's award.
- **Sponsored Class** – An object used to summarize the Organization's expenses based on the Sponsor's cost categories.
- **Sponsored Program** – An object used as a cost collector that reflects the Organization's sponsored projects.
- **Fund** – Represents the source of funding.
 - **External:** Sponsor award amount
 - **Internal:** Grantee's funds and resources (i.e. cost sharing)

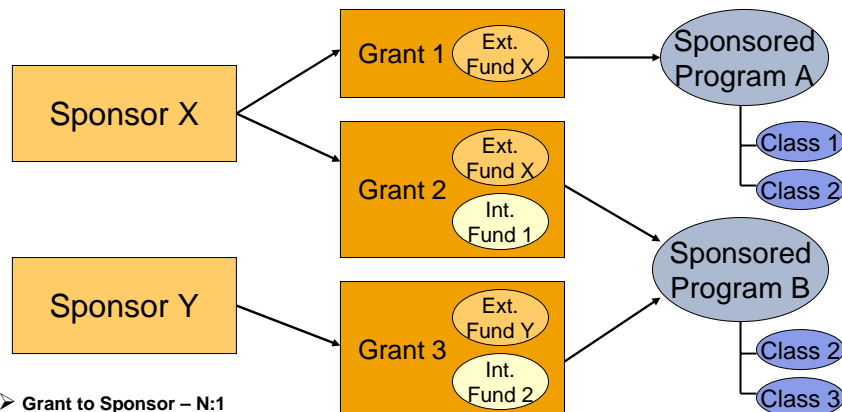


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Grants Management: Master Data Relationships



- Grant to Sponsor – N:1
- Grant to Sponsored Program – N:N
- Grant to Fund (internal or external) – N:N
- Grant to Sponsored Class – N:N
- Sponsored Class to Sponsored Program – N:N

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Master Data: Grant Dimensions

The screenshot shows the SAP 'Change Grant Master - Dimensions' window. At the top, it displays 'Grant: 1' and 'Sponsor: FEDDOT'. Below this, there are tabs for 'Posting Control', 'Budget', 'Billing', 'Dimensions', 'Sponsored Objects', 'Cost Sharing', and 'Overhead Costs'. The 'Dimensions' tab is active, showing three tables:

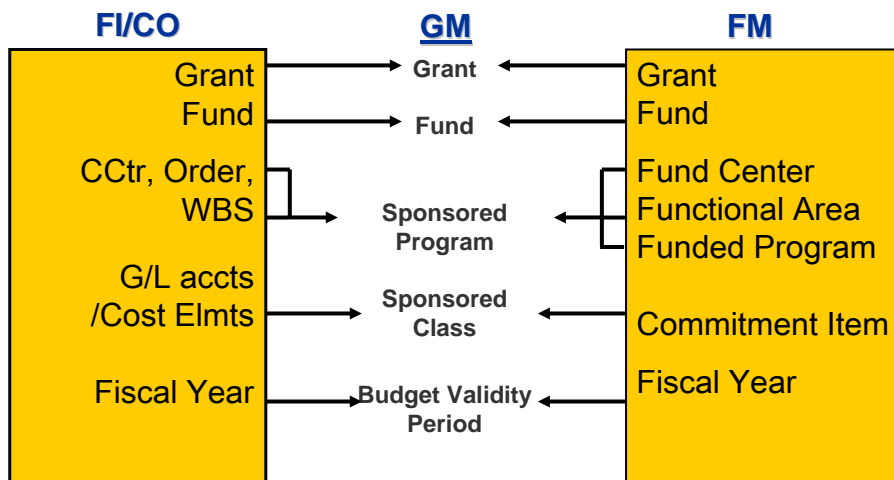
Financing Sources		
Fund	GM Fund Type	Description
100	Internal	General
210000	External	Federal

Sponsored Programs			
Sponsored Program	Program Description	Valid from	Default
CONSTRUCTION	Construction	01/01/2000	<input checked="" type="checkbox"/>

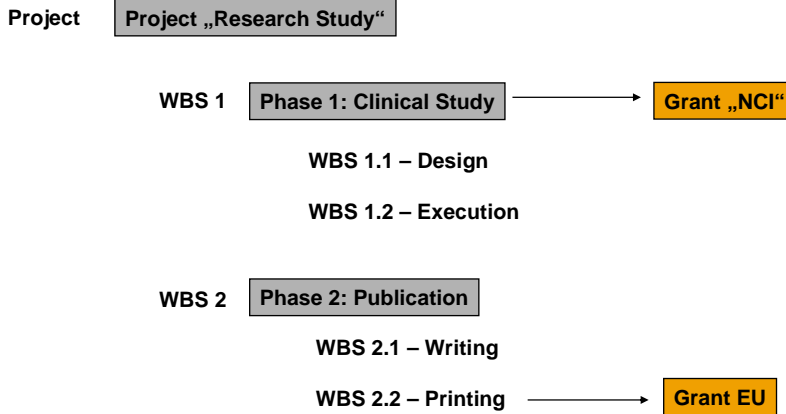
Sponsored Classes					
Sponsored Class	Class Type	IDC Relevant	Sponsored Class Description	Valid from	Default
EQUIPMENT	Expense	<input type="checkbox"/>	Equipment	01/01/2000	<input checked="" type="checkbox"/>
IDC_EXPENSE	Expense	<input type="checkbox"/>	Indirect Cost Expense	01/01/2000	<input checked="" type="checkbox"/>
IDC_RECOVER	Revenue	<input type="checkbox"/>	Indirect Cost Recovery	01/01/2000	<input checked="" type="checkbox"/>

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CO, GM & FM relationships



Project System and Grants Management



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Campus Management vs. Grants Management

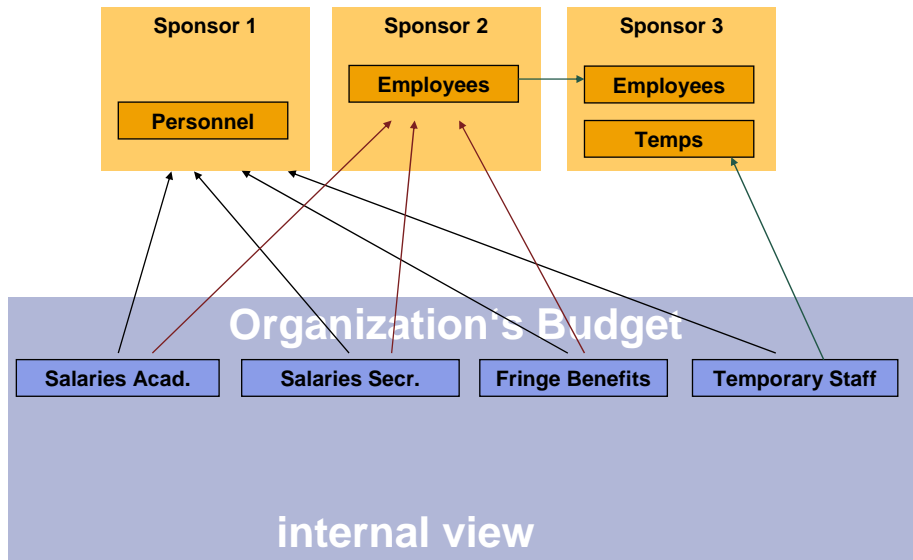
	Campus Management	Grants Management
Areas of Application	Financial assistance to students; grants with relevance to student fees	Research grants; other grants for university, departments, teaching staff
Sponsor	Business Partner in role "contract partner"	Business Partner in role "sponsor"
Grant	Connected to Contract Account	Own posting dimension
Sponsored Expenses	Contract Object Type Groups & Sponsoring Pattern	Sponsored Classes; Sponsored Program
Reimbursement	Debit Posting to Sponsor's contract account	Debit Posting (Sales Order); FI-invoice to customer

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Concept: Adding the different external views

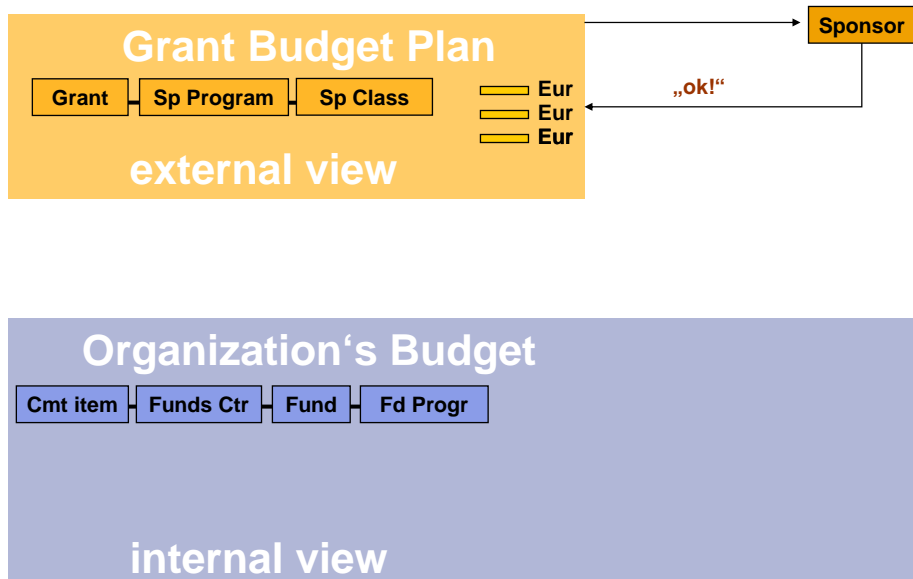


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Concept: Integration with Internal Financials

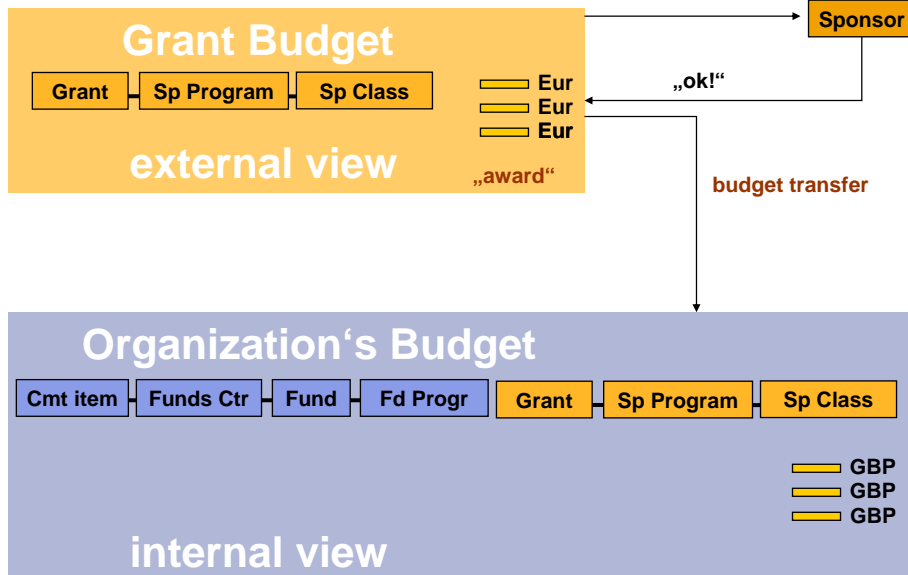


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Concept: Integration with Internal Financials



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Budgeting Workbench: Budget List View

Dimensions On Hold Prepost Undo Reverse Error Log Budget Overview

Check OK

Header Additional Information

Process	Enter	Currency	USD	Document Status	Held
Grant	39	Document Date	12/01/2003	Reversal Status	Normal
Document Type	63	Budget Version	0	Budget Status	Unreleased
Header Description		Reason Code			

Hierarchy View List View Cost Sharing Indirect Cost

Line	Fund	Sponsored Program	Valid from...	Valid to D...	Sponsored Class	Σ	Amount TC	Text
Class Type E Expenses							90,000.00	
000060	3020002003	EDUCATION	11/01/2003	10/31/2005	EQUIPMENT		25,000.00	Award Expense Budget
000070	3020002003	EDUCATION	11/01/2003	10/31/2005	PERSONNEL		50,000.00	Award Expense Budget
000080	3020002003	EDUCATION	11/01/2003	10/31/2005	SUPPLIES		5,000.00	Award Expense Budget
000090	3020002003	EDUCATION	11/01/2003	10/31/2005	TRAVEL		10,000.00	Award Expense Budget
Class Type R Revenues							90,000.00	
000140	3020002003	EDUCATION	11/01/2003	10/31/2005	REVENUE		90,000.00	Award Revenue Budget

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Budgeting Workbench: Budget Hierarchy

Dimensions On [Icons] Hold Prepost Undo Reverse Error Log Budget Overview

Check OK

Header Additional Information

Process: Enter Currency: USD Document Status: Held
 Grant: 39 Document Date: 12/01/2003 Reversal Status: Normal
 Document Type: Budget Version: 0 Budget Status: Unreleased
 Header Description: Reason Code:

Hierarchy View List View Cost Sharing Indirect Cost

Clear Amounts

Line	Description	Stat...	Amount	Indir...	Amount Ind Cost	Cost...	Amount Cost Shr	Total Amount
000010	Grant: 00000000000000000039	●●	90,000.00	0.00	16,250.00	10.00	9,000.00	115,250.00
000020	Expenses	●●	90,000.00	0.00	16,250.00	10.00	9,000.00	115,250.00
000030	Fund: 3020002003	●●	90,000.00	0.00	16,250.00	10.00	9,000.00	115,250.00
000040	Sp Program: EDUCATION	●●	90,000.00	0.00	16,250.00	10.00	9,000.00	115,250.00
000050	From 11/01/2003 To 10/31/2005	●●	90,000.00	0.00	16,250.00	10.00	9,000.00	115,250.00
000060	Sp Class: EQUIPMENT	●●	25,000.00	0.00	0.00	10.00	2,500.00	27,500.00
000070	Sp Class: PERSONNEL	●●	50,000.00	25.00	12,500.00	10.00	5,000.00	67,500.00
000080	Sp Class: SUPPLIES	●●	5,000.00	25.00	1,250.00	10.00	500.00	6,750.00
000090	Sp Class: TRAVEL	●●	10,000.00	25.00	2,500.00	10.00	1,000.00	13,500.00
000100	Revenues	●●	0.00	0.00	0.00	0.00	0.00	0.00
000110	Fund: 3020002003	●●	0.00	0.00	0.00	0.00	0.00	0.00
000120	Sp Program: EDUCATION	●●	0.00	0.00	0.00	0.00	0.00	0.00
000130	From 11/01/2003 To 10/31/2005	●●	0.00	0.00	0.00	0.00	0.00	0.00
000140	Sp Class: REVENUE	●●	0.00	0.00	0.00	0.00	0.00	0.00

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Concept: External and Internal Rules - Budget Split across Fiscal Years

Dimensions On [Icons] Post Hold Hold Prepost Undo Reverse Error Log Budget Overview

Check OK

Header Data

Hierarchy View List View Cost Sharing Indirect Cost

Clear Amounts Propose Amounts

Line	Description	Stat...	Amount	To Release	Released	Indir...	Amount Ind...	Cost...	Amount Co...	Total Amount
000010	Grant: 00000000000000000002	●●	5,000.00	100,000.00	0.00	0.00	0.00	10.00	500.00	5,500.00
000020	Fund: 3020002003	●●	5,000.00	100,000.00	0.00	0.00	0.00	10.00	500.00	5,500.00
000030	Sp Program: RESEARCH	●●	5,000.00	100,000.00	0.00	0.00	0.00	10.00	500.00	5,500.00
000040	Sp Class: EQUIPMENT	●●	5,000.00	10,000.00	0.00	0.00	0.00	10.00	500.00	5,500.00
000050	From 07/01/2003 To 06/30/2005	●●	5,000.00	10,000.00	0.00	0.00	0.00	10.00	500.00	5,500.00
000060	Sp Class: PERSONNEL	●●	0.00	75,000.00	0.00	0.00	0.00	0.00	0.00	0.00
000070	From 07/01/2003 To 06/30/2005	●●	0.00	75,000.00	0.00	10.00	0.00	10.00	0.00	0.00
000080	Sp Class: REVENUE	●●	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
000090	From 07/01/2003 To 06/30/2005	●●	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
000100	Sp Class: SUPPLIES	●●	0.00	10,000.00	0.00	0.00	0.00	0.00	0.00	0.00
000110	From 07/01/2003 To 06/30/2005	●●	0.00	10,000.00	0.00	10.00	0.00	10.00	0.00	0.00

FM Fiscal Year Distribution

EdgtLine: 000050 3020002003 RESEARCH EQUIPMENT 07/01/2003 06/30/2005 5,000.00

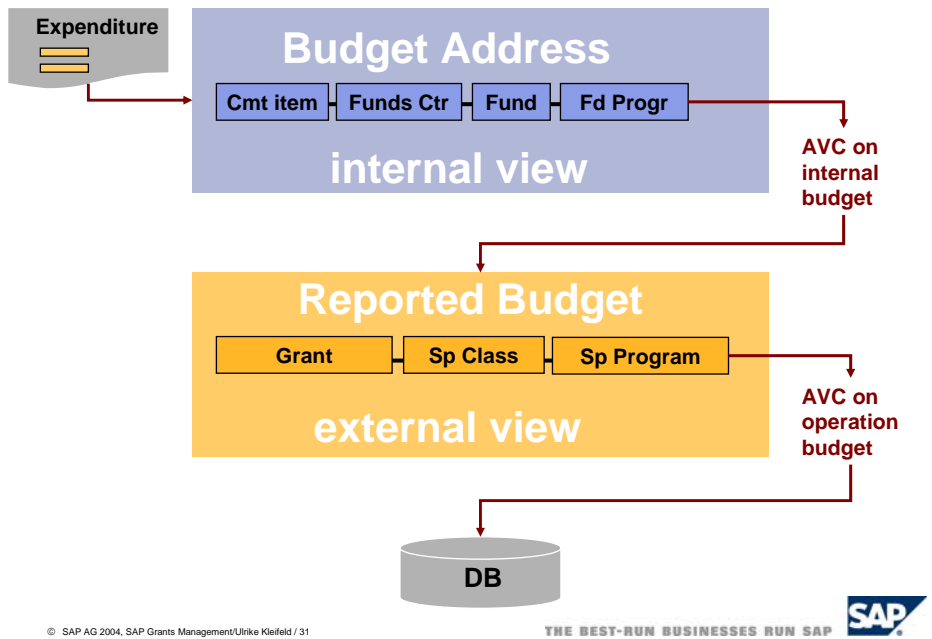
Line	Fund	Sponsor...	Sponsor...	Gra...	Valid from ...	Valid to Date	Amount	Dist...	Committ...	Funds C...	Funct...	Funded ...	Text	
000050	30200020...	RESEARCH	EQUIPMENT		2004	07/01/2003	06/30/2004	2,500.00	1	590320	100000	1000	100000	
000050	30200020...	RESEARCH	EQUIPMENT		2005	07/01/2004	06/30/2005	2,500.00	1	590320	100000	1000	100000	

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Concept: Follow Internal and External Rules



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Flexible: Grant Lifecycle

Table View Edit Goto Selection Criteria Utilities System Help

Change View "Lifecycle": Overview

New entries Field Group Control

Dialog Structure

- Grant Type
- Lifecycle
 - Status Network
 - Posting Control
 - FM Budget Integration
 - Set Budget Type Defaults
 - Grant Type Integration to Records Management
 - Integration Details
 - Default Reporting Records
 - Budget Layout

Grant Type 01 GM Workshop Grant Type

Status Profile

Lifecycle	Status	Initi...WF...	PrevStatus	PrevStatus	PrevStatus	PrevStatus
I5613	Initial draft	<input checked="" type="checkbox"/>				
I5614	Proposal	<input type="checkbox"/>	Initial_			
I5615	Application	<input type="checkbox"/>	Initial_	Proposal		
I5616	Award	<input type="checkbox"/>	Initial_	Proposal	Applica_	
I5617	Closing	<input type="checkbox"/>	Award			
I5618	Closed	<input type="checkbox"/>	Closing			
I5619	Cancelled	<input type="checkbox"/>	Initial_	Proposal	Applica_	

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Robust: Indirect Cost Calculation

Grant Edit Goto Extras Environment System Help

Change Grant Master : Overhead Costs

Validate Change Status

Grant 1 Grant used for entering general Grant Postings
 Sponsor FEDDOT US Department of Transportation
 Deletion Indicator Initial draft

Posting Control Budget Billing Dimensions Sponsored Objects Cost Sharing Overhead Costs

Overhead Cost Rule
 IDC Rule 11 PAYMENTS

Overhead Cost Record

Sponsored Program	Sponsored Class	Valid from Date	Valid to Date	Indirect Rate
CONSTRUCTION	PERSONNEL	01/01/2003	12/31/2003	10,00
CONSTRUCTION	SUPPLIES	01/01/2003	12/31/2003	10,00
CONSTRUCTION	TRAVEL	01/01/2003	12/31/2003	10,00

Revert to Default Rates

Overhead Cost Limit

Valid from Date	Valid to Date	IDC Cap	Used
01/01/2003	12/31/2003		0,00

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Easy to Use: Cost Sharing

Grant Edit Goto Extras Environment System Help

Change Grant Master : Cost Sharing

Validate Change Status

Grant 1 Grant used for entering general Grant Postings
 Sponsor FEDDOT US Department of Transportation
 Deletion Indicator Initial draft

Posting Control Budget Billing Dimensions Sponsored Objects Cost Sharing Overhead Costs

Cost-Sharing Rule
 Cost Sharing Rule 11 DIRECT COSTS

Cost Sharing

Sponsored Program	Sponsored Class	Percentage
CONSTRUCTION	EQUIPMENT	10,00
CONSTRUCTION	IDC EXPENSE	
CONSTRUCTION	PERSONNEL	25,00
CONSTRUCTION	SUPPLIES	10,00
CONSTRUCTION	TRAVEL	

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Diverse: Billing

Scenarios

- Cost reimbursement
- Milestone Billing
- Periodic Billing Plans
- Manual Billing

Functionality

- Mass runs and manual bills
- exceptions
- billing status



Billing Plan

Overview Edit Goto System Help

Change Dates for Billing Plan

Date details

Item: 10
 Material: GMLL GM Milestone
 Quantity: 1 PC Net value: USD 120 000,00

Billing plan
 BillingPlanType: 01 Milestone Billing
 Start date: 07/01/2003 Reference:
 InvoicePercentg: 100,00 Billing value: 120 000,00 USD

Dead.

Billing date	DtDs	MistRel		%	Bill.value	Crcy	Block	MStrn	BR	BillSt	PayT	DCat	Billing Type	ExchRTAct	Milestone no
07/01/2003	0003	00004	Start executi	25,00	30 000,00	USD	02		1	A		01			0
10/15/2003	0003	00003	Finish specif	25,00	30 000,00	USD	02		1	A		01			0
01/01/2004	0003	00005	Finish execut	40,00	48 000,00	USD	02		1	A		01			0
06/30/2004	0003	00006	Close	10,00	12 000,00	USD	02		1	A		01			0
<input checked="" type="checkbox"/>															
<input checked="" type="checkbox"/>															
<input checked="" type="checkbox"/>															



Manual Billing Control

(Resource Related Billing – Individual Processing Output)

Resource-rel billing Edit Goto Extras System Help

Billing request for resource-related billing document <new>: Expense

Sales price Billing request

Description	at	ckct	Amt to be billed	Curr...	Qty to be billed	UM	% to ...	Net value	Curr...
000000000000000000022			50,00	USD	***	***	50,00	50,00	USD
000000000000000000022			50,00	USD	***	***	50,00	50,00	USD
RESEARCH			50,00	USD	***	***	50,00	50,00	USD
SUPPLIES			50,00	USD	***	***	50,00	50,00	USD

Amount Qty Percent

Reject All Entry Billing, postpone

Description	S.	L.	Original	Amt already billed	Open amount	Amt to be billed	Amount postponed	Amount rejected	Amt already canceled	Ctry	Aln
000000000000000000022			100,00	0,00	100,00	50,00	50,00	0,00	0,00	USD	
000000000000000000022			100,00	0,00	100,00	50,00	50,00	0,00	0,00	USD	

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SAP Grants Management – Grantee: Business Value

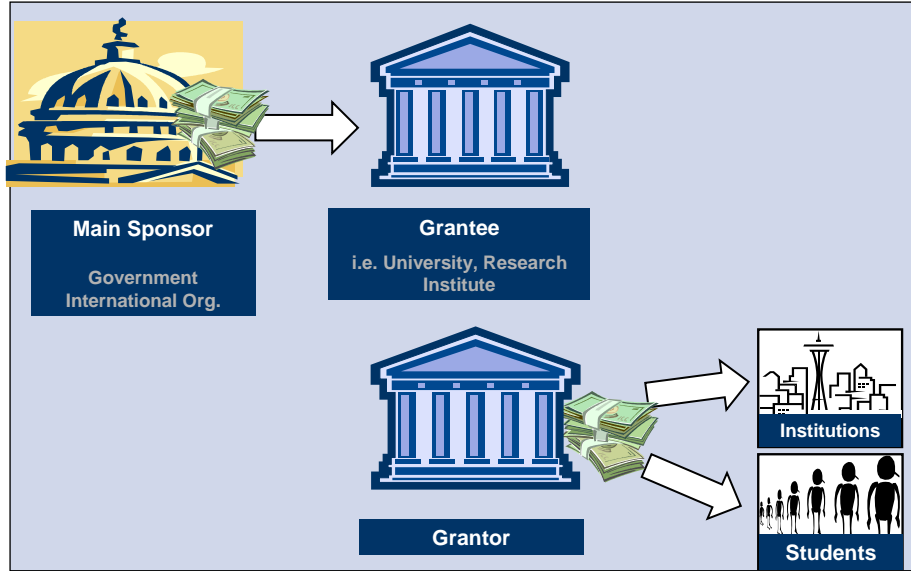
- **Flexibility:** Increase Sponsor satisfaction
- **Agility:** Optimal Grant Spending
- **Innovation:** Effective Grant Management
- **Sustainability:** Reduced Cost of Operations

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Double role of Universities

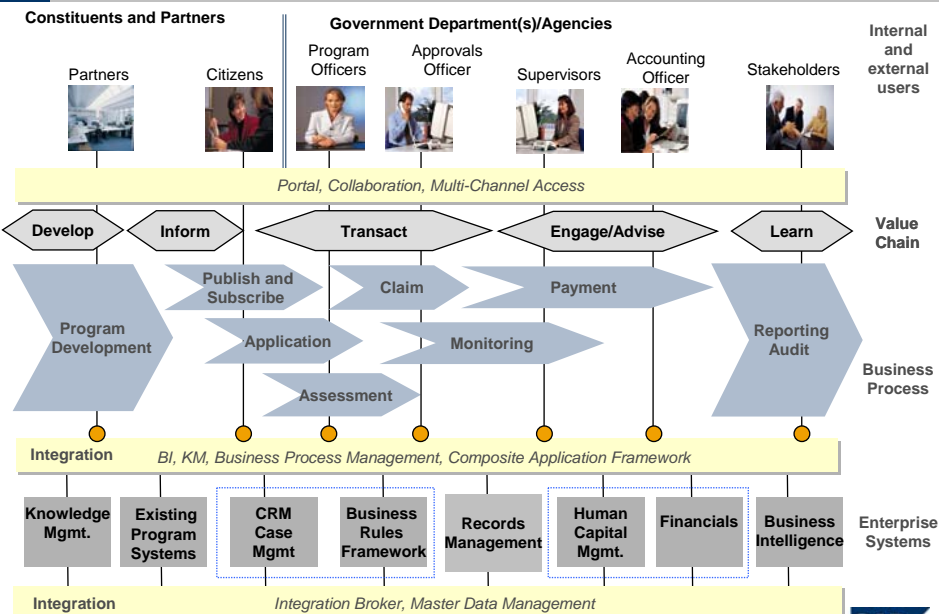


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Grantor Management



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Availability and Future Focus

SAP Grants Management is internationally available:

- R/3 Enterprise 4.7, EA-PS 2.00
- R/3 Enterprise 2004

Current Development Focus:

- Pass-through Scenario
- Grantor Management

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