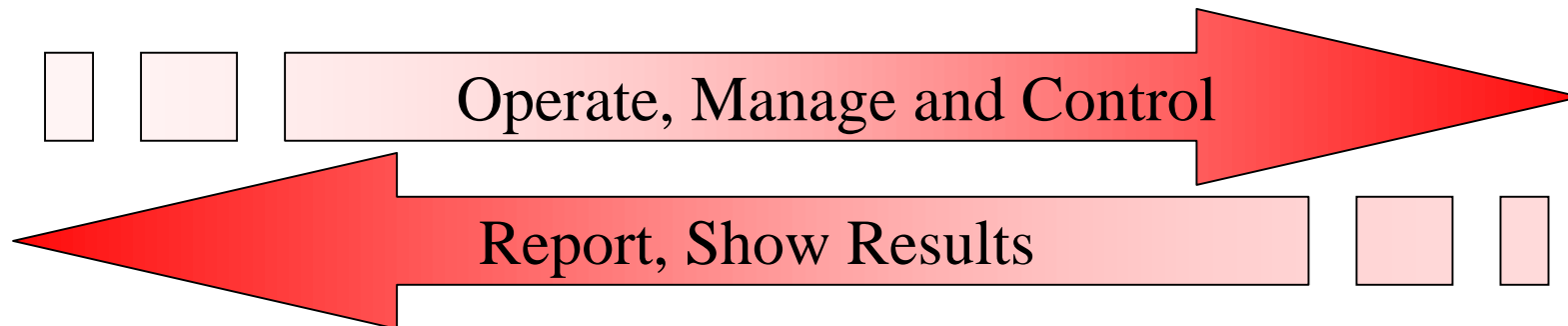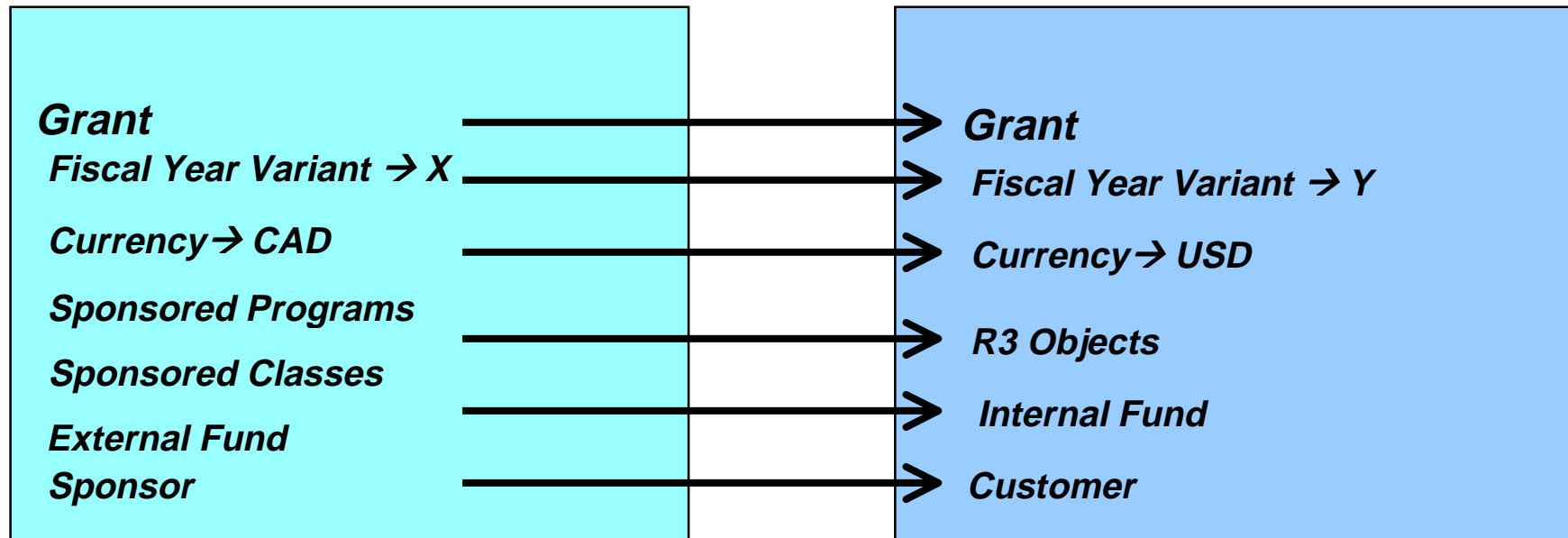# Sponsored Programs Management

Milestones

- 05/2001 IS-PS 4.62(3)
  - Grants Management Prototype
  - Demo Purposes, No Customer Use

- 05/2002 First Customer Shipment
  - Grants Management can be used by pilots
  - Project Close with SAP PS&E

- \> General Availability
  - Fully Integrated with FM
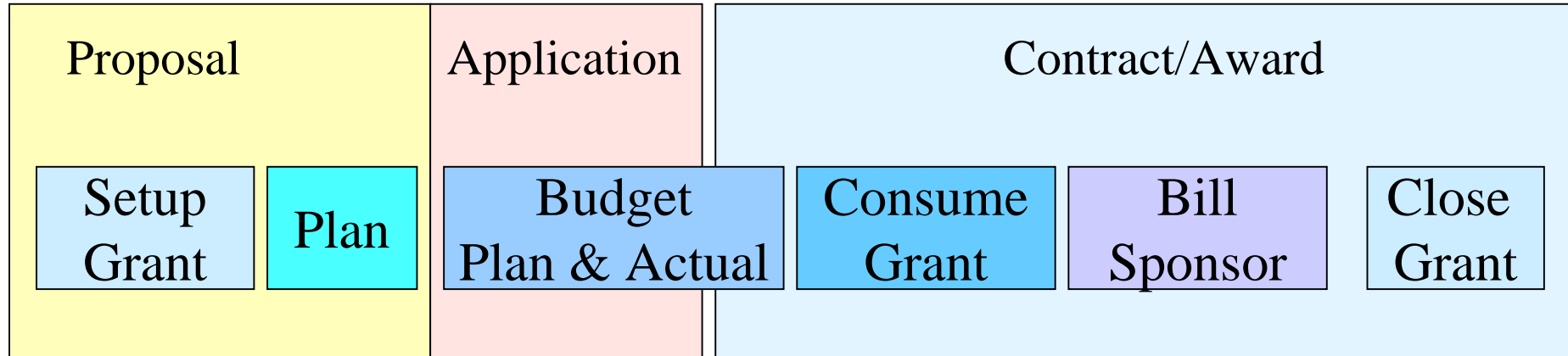
Sponsored Programs Management
The Different Views

External Sponsor View (Grants)   *Internal* Grantee View (R/3)

Grant ⟶ **Grant**

Fiscal Year Variant → X ⟶ **Fiscal Year Variant → Y**

Currency→ CAD ⟶ **Currency→ USD**

Sponsored Programs

Sponsored Classes ⟶ **R3 Objects**

External Fund ⟶ **Internal Fund**

Sponsor ⟶ **Customer**

Operate, Manage and Control ⟶

⟵ Report, Show Results

Sponsored Programs Management

Process &Activity Flow:

Proposal		Application	Contract/Award		
Setup Grant	Plan	Budget Plan & Actual	Consume Grant	Bill Sponsor	Close Grant

TIME →

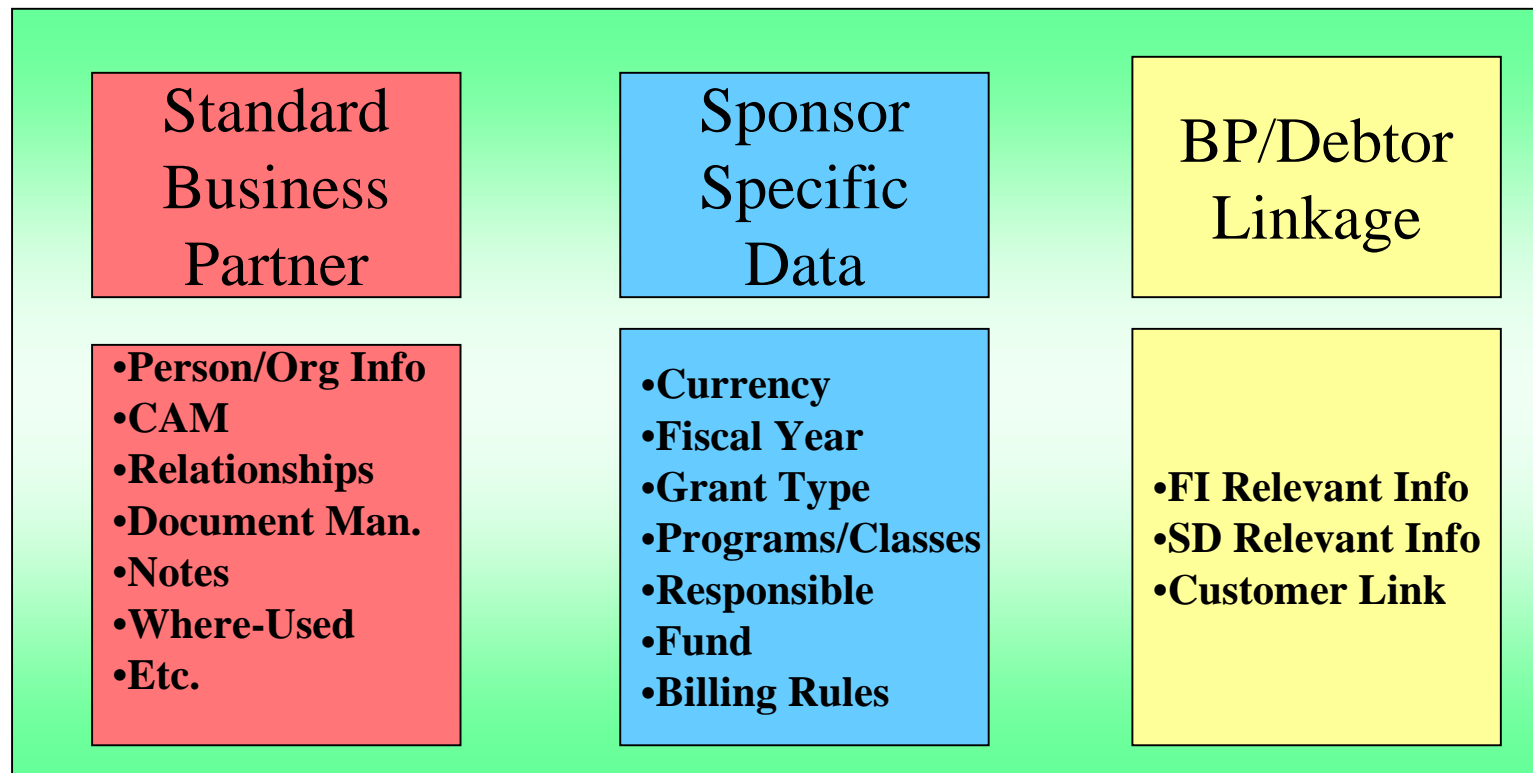| SP Master Data	R3	SP Budgeting	SP Updating	SP Billing	SP Reporting
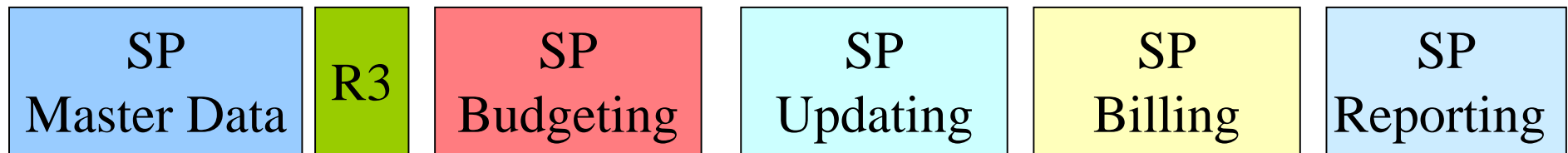
The Sponsor

- Definition
  - Business partner involved with a grantee organization in the sponsoring of programs through business contracts defined as grants.
- Technical Implementation: THE SPONSOR ROLE [BP:PSSP01]

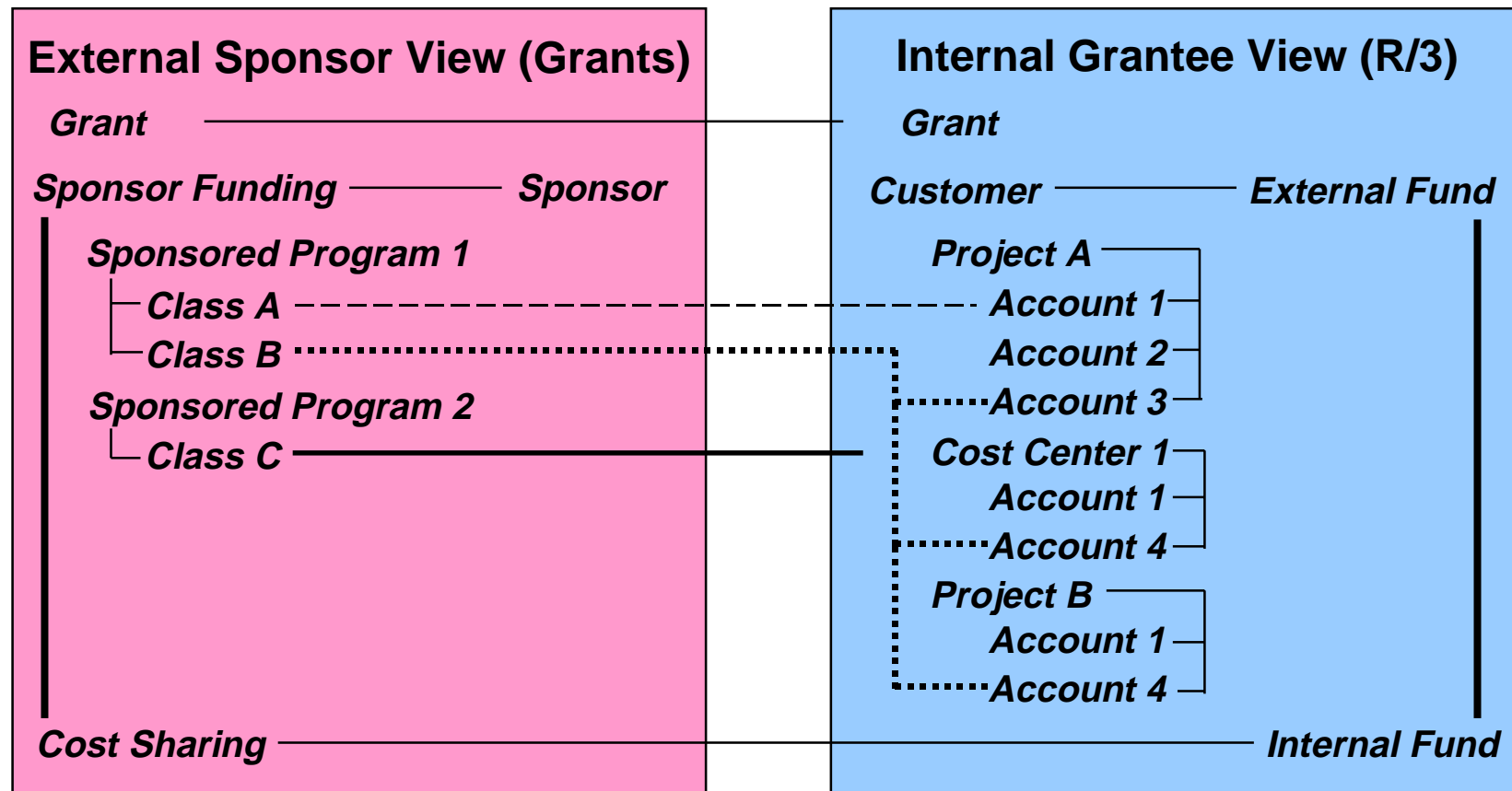| Standard Business Partner	Sponsor Specific Data	BP/Debtor Linkage
•Person/Org Info •CAM •Relationships •Document Man. •Notes •Where-Used •Etc.	•Currency •Fiscal Year •Grant Type •Programs/Classes •Responsible •Fund •Billing Rules	•FI Relevant Info •SD Relevant Info •Customer Link

Sponsored Objects: Definition

- Sponsored objects are the business objects that are sponsored through a GRANT by a Grantor/Sponsor
- They represent:
  - Budget objects
  - Allowed Posting Objects
- They describe dimensions for updating and reporting
- In order to properly support sponsored program accounting and control, contract items and conditions must be able to be applied to a grant base on various combinations of the following:

| Sponsor | ✚ | Grant | ✚ | Fund(s) | ✚ | Sponsored Program(s) | ✚ | Class(es) |
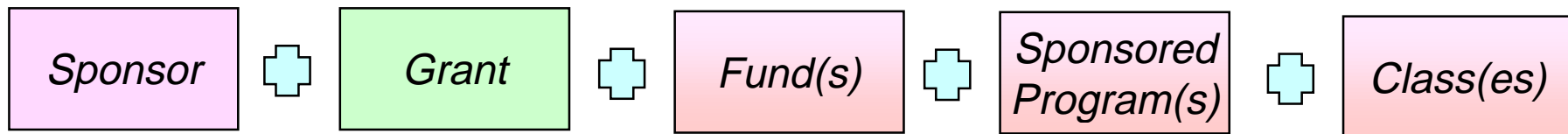
Sponsored Objects: R3 Implementation

Sponsored objects master data must be flexibly linked to existing R/3 master data objects to accommodate both the internal grantee budgeting/accounting/reporting/billing requirements and the external sponsor budgeting/accounting/reporting/billing requirements.

External Sponsor View (Grants)

- Grant
- Sponsor Funding —— Sponsor
  - Sponsored Program 1
    - Class A
    - Class B
  - Sponsored Program 2
    - Class C
- Cost Sharing

Internal Grantee View (R/3)

- Grant
- Customer —— External Fund
  - Project A
    - Account 1
    - Account 2
    - Account 3
  - Cost Center 1
    - Account 1
    - Account 4
  - Project B
    - Account 1
    - Account 4
- Internal Fund

SAP

Sponsored Programs

General Data

Budgeting Relevant Data

Where- Used?
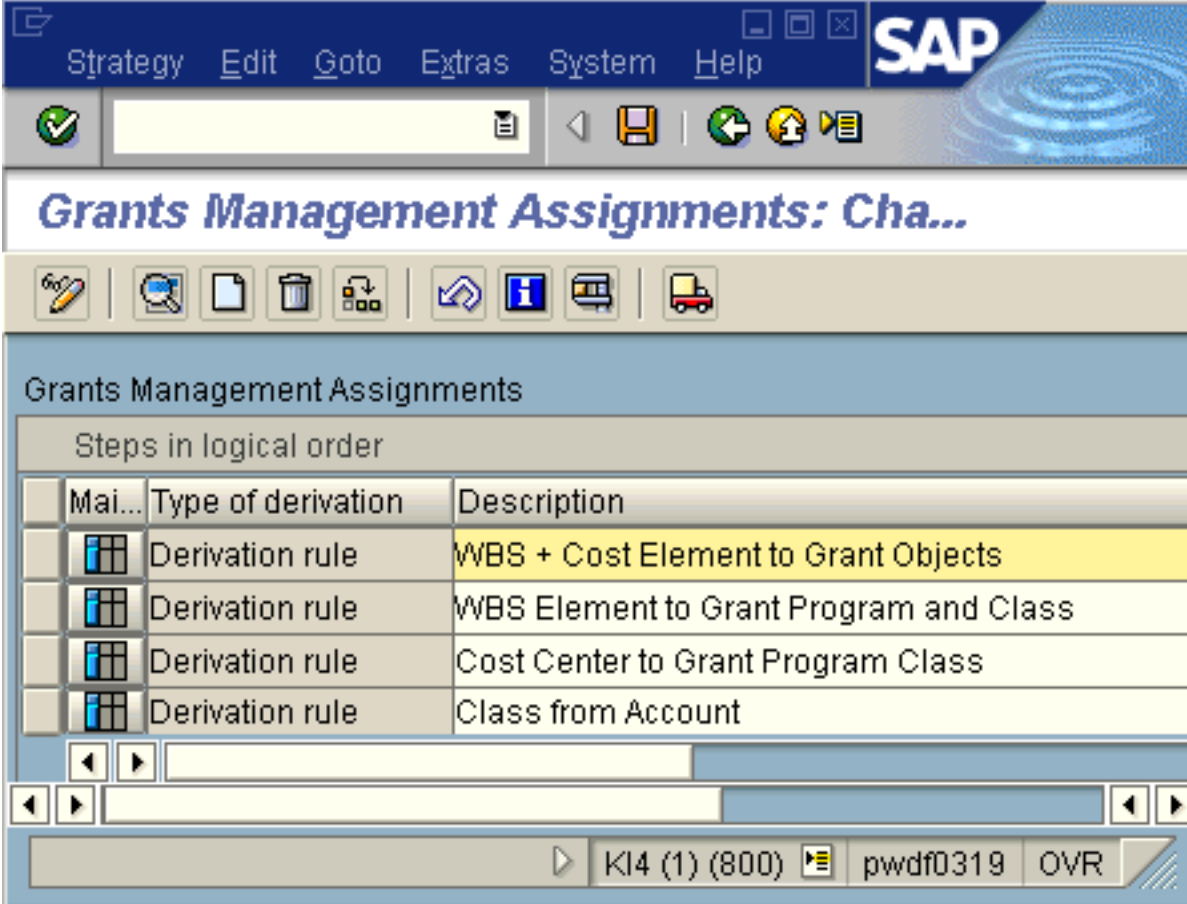
Sponsored Classes

General Data/Control Flags

Budgeting Relevant Data

Where- Used?

Sponsored Objects: Assignments

The assignment of R3 Objects to Sponsored Programs and Classes is made through the CO-PA Tool.

Sponsored Objects: Example
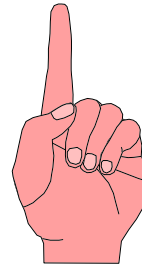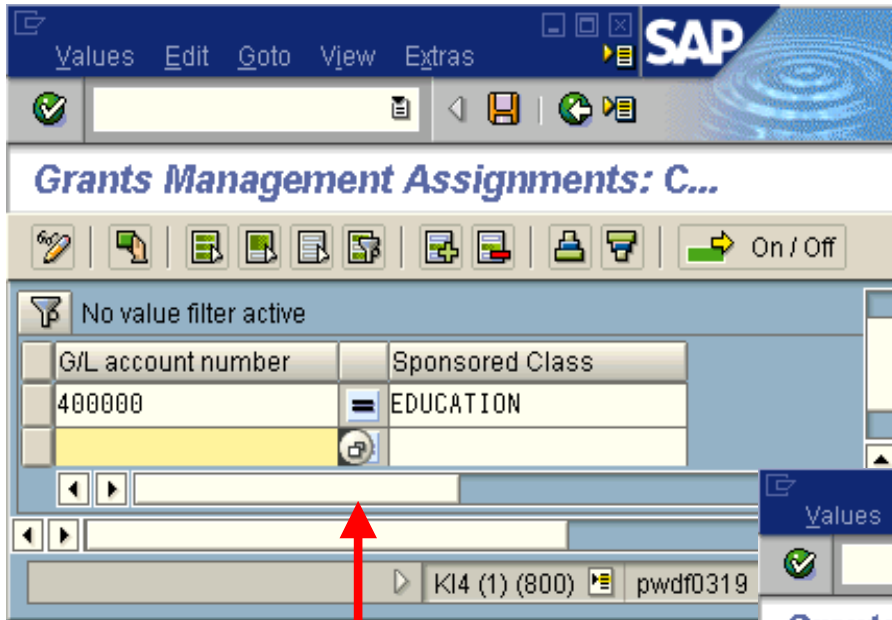
Postings shall always have both objects: Program and Class.

GL Account → Class

Cost Center → Program
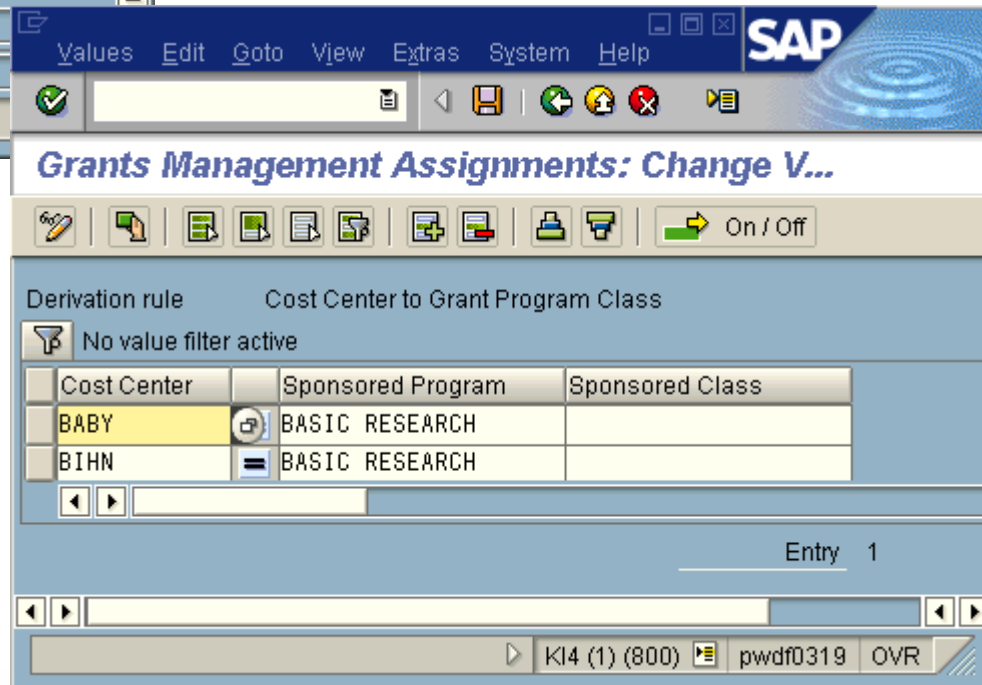
The Grant: Some Concepts

- A GRANT, as a business object, describes the terms and conditions that are applicable to the entire administration and funding of a collection of sponsored program(s) and classes

- A GRANT describes the contractual relationship between a Sponsor and a Grantee

- A GRANT has a limited life cycle. Basically, there is an internal *Proposal* to sponsor a program, then an *Application* that is sent to potential grantors and finally, when the application is awarded, the grant becomes a legal *Contract*.

The Grant: R3 Implementation

- The GRANT has been implemented as a new application object under the Business Data Toolset Framework [BDT]

- It contains all major BDT functionality [field status control, change documents, document management, extensibility,etc] plus Sponsored Programs Management specific functionality

- For the prototype, standard BDT model will be used

SAP

The Grant: Sponsored Objects

These will be all the allowable combinations of Fund, Program and Class for a given Grant. These combinations might be used for both budgeting and actual postings.

The Grant: Overall Picture

Sponsored Programs Management

Process &Activity Flow:

Proposal		Application	Contract/Award		
Setup Grant	Plan	Budget Plan & Actual	Consume Grant	Bill Sponsor	Close Grant

→

TIME

SP Master Data	R3	SP Budgeting	SP Updating	SP Billing	SP Reporting

SAP
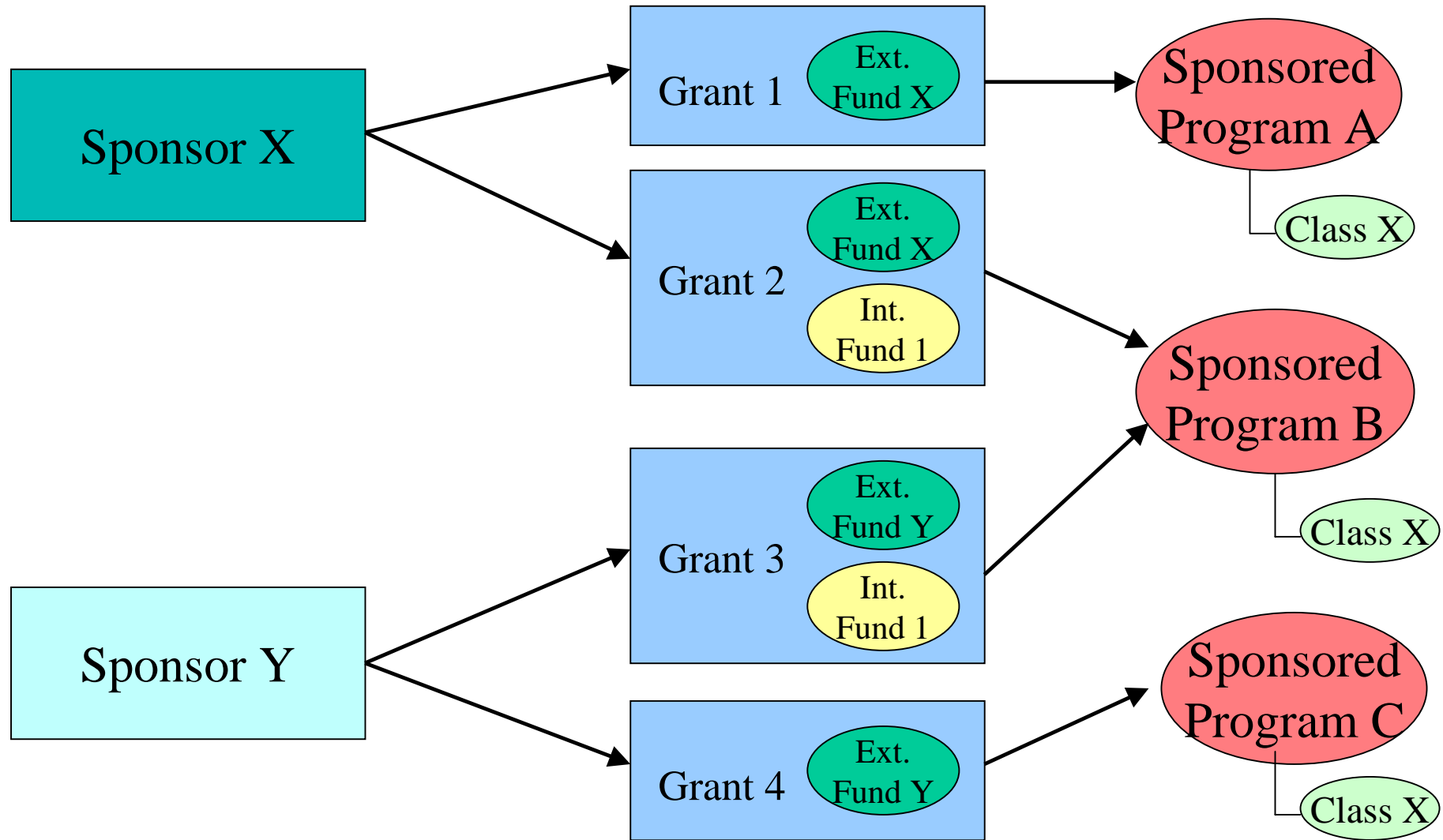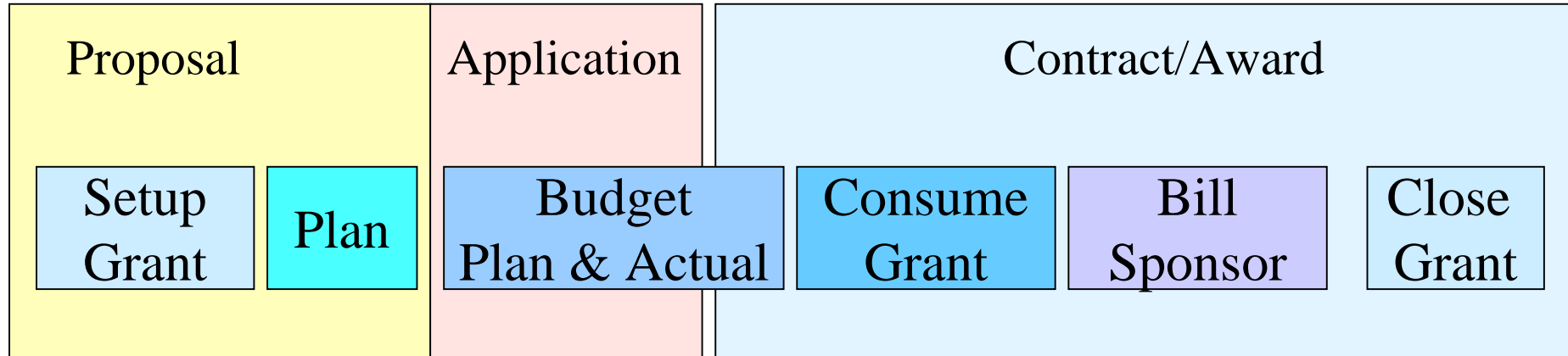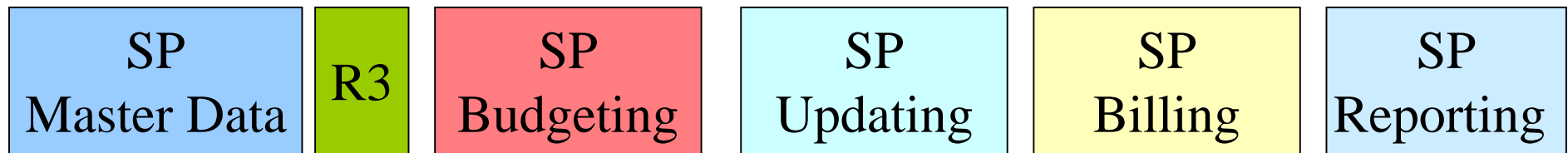
Budgeting:High Level Life Cycle

Planning
CO
PS
SL
HR/PM

No GM implementation →
← Reconcile (Need Fund in CO)

Contract
FM

Reconcile/Change

Apply

Sponsor/Grantee Approval

Application
SP
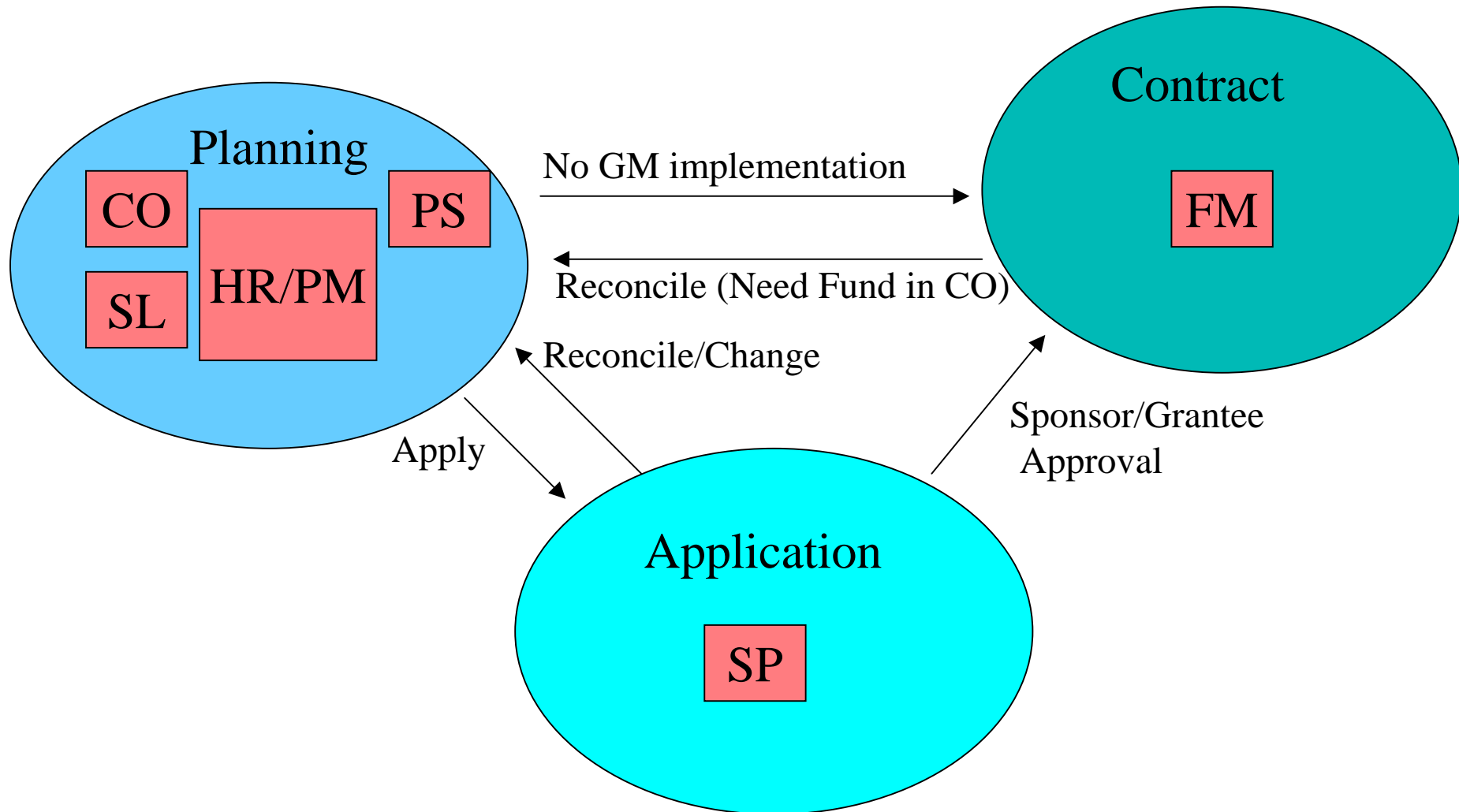
Budgeting: Some Details

- Budget at Sponsored Class and Program for a given GRANT and Fund(s) taking into account Cost Sharing % and Overhead %

- Budget in Sponsor's Currency

- No hierarchies will be used

- No transfers are allowed between GRANTS

- Budgeting done in multiple "Time Slices" due to possible differences between Sponsor's Fiscal Year and Grantee's Fiscal Year

- Availability Control will be done taking into account the sponsor's time frame

Budgeting: Time Slices

Grant Validity

01/00   12/02

Grantor's FY Variant

01/00   01/01   01/02   12/02

Grantee's FY Variant

04/99   04/00   04/01   04/02   04/03

Budget Validity Numbers

01/00   04/00   01/01   04/01   01/02   04/02   12/02

①   ②   ③   ④   ⑤   ⑥
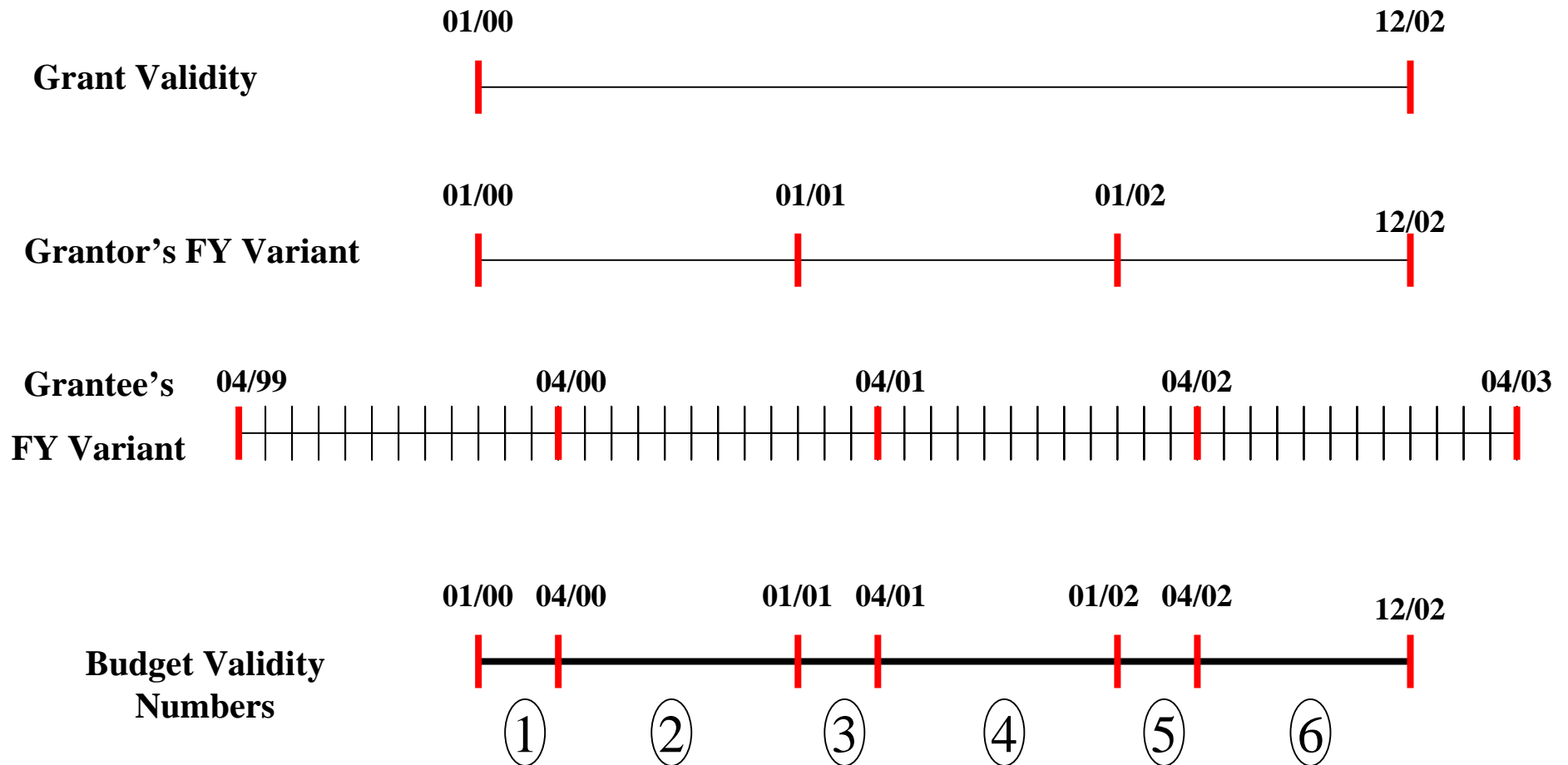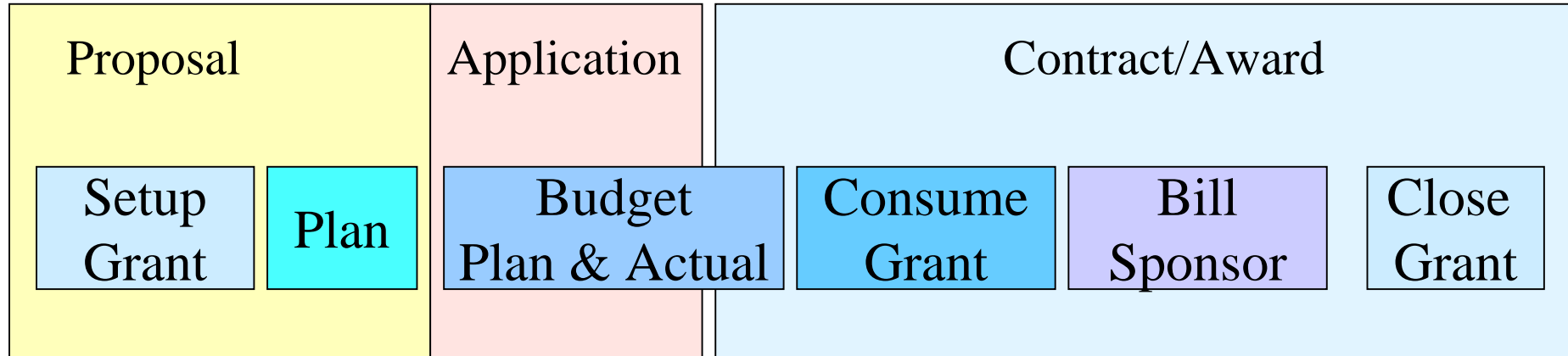
Budgeting: Implementation

```
┌──────────────────────┐                          ┌──────────────────────┐
│   Budget Prima       │      All Docs            │  Document tables     │
│   Nota Doc           │ ───────────────────────► │     GMBH             │
│                      │                          │     GMBL             │
└──────────────────────┘                          └──────────────────────┘
           │
           ▼
┌──────────────────────┐
│ Budget Processor     │
│ Tools or Similar     │
└──────────────────────┘
           │            Approved Docs (released
           │            & un-released budget)
           ▼
┌──────────────────────┐
│       FI-SL          │
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│                      │
│   Special ledger     │
│                      │
└──────────────────────┘
```

Process &Activity Flow:

Proposal	Application	Contract/Award

| Setup Grant | Plan | Budget Plan & Actual | Consume Grant | Bill Sponsor | Close Grant |

TIME

| SP Master Data | R3 | SP Budgeting | SP Updating | SP Billing | SP Reporting |
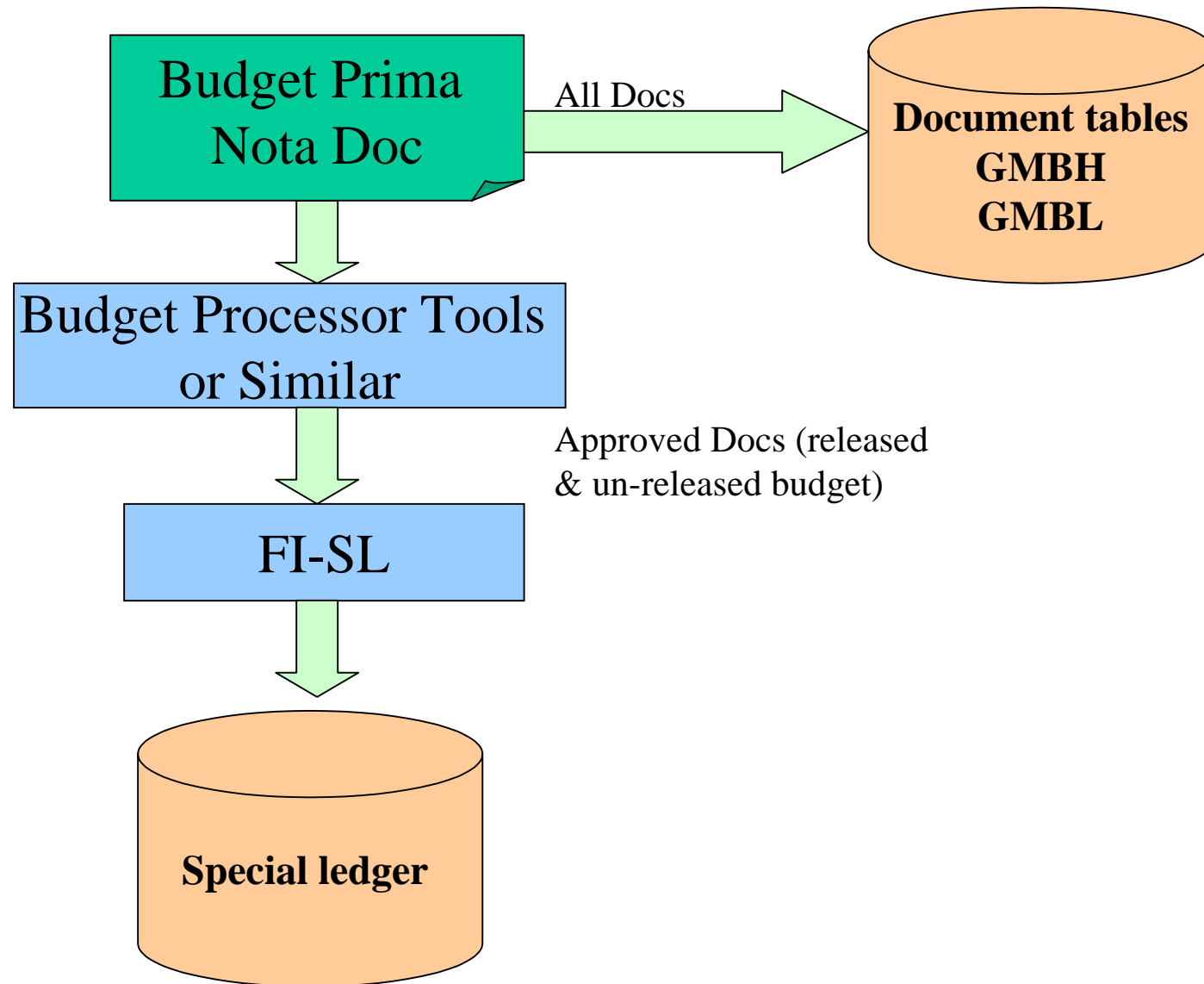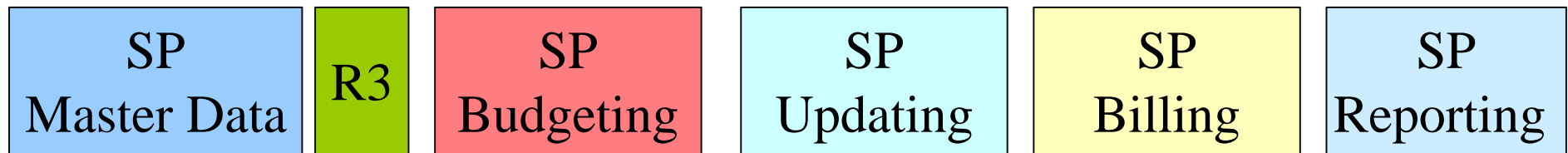
Grant and the Coding Block

- Use Coding Block functionality to populate the GRANT field and interface with other R3 Modules and Applications

- The GRANT as a dimension will be resolved from a combination of sponsored programs and classes that will be pointing directly to R3 objects

- The RWIN Interface plus the CO-PA Tool will be used for derivation and validation

- Currently, the Open Item, the FI and the CO interfaces include this functionality

Derivation: CO-PA Tool Implementation

DERIVE

VALIDATE

Input Values

Posting Date
Structure COBL

↓

Check if account and account type are GM relevant

↓

Check if GM is active

↓

Fill the Structure GMDERIVE with all input values and run the derivation tool

↓

Output Values

Posting Date
Structure COBL → **GRANT**
Program
Class

Input Values

Structure COBL
Program
Class

↓

Check Grant exist from date
Check Program exist from Date
Check Class exist from date
Check Fund exist from date
Check if combination exist

↓

Found — **No** → **Error Message**

↓ **Yes**

EXIT

Updating: Integration

Open Item Interface

FI

FM

Coding Block

Accounting Interface
& Split Ledger

Grants Management
Fixed Ledger

MM

Controlling Interface

CO

HR-TR

Sponsored Programs Management

Process &Activity Flow:

Proposal		Application	Contract/Award		
Setup Grant	Plan	Budget Plan & Actual	Consume Grant	Bill Sponsor	Close Grant
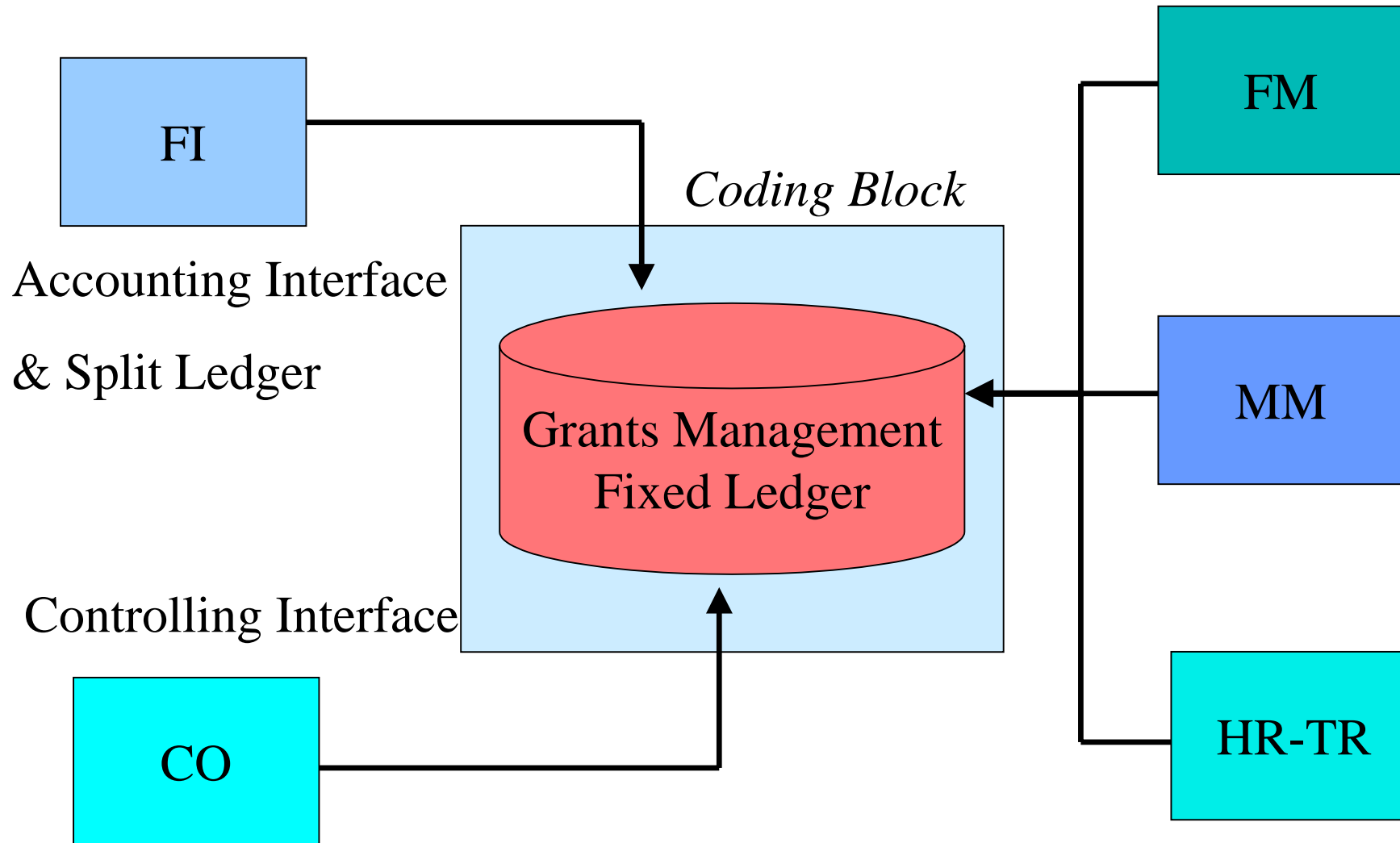
TIME →
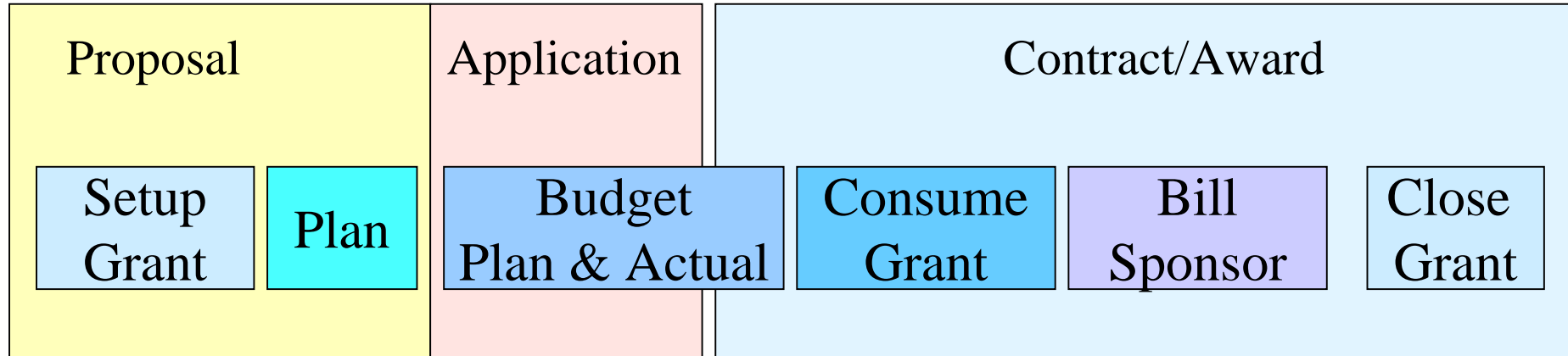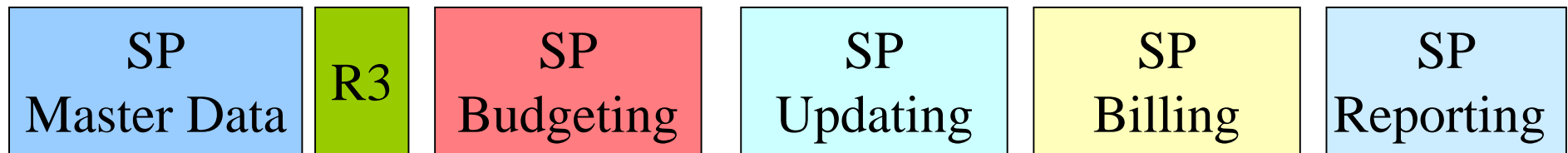
SP Master Data	R3	SP Budgeting	SP Updating	SP Billing	SP Reporting

- Purpose
  - Based on sponsor defined billing rules [commitments, invoices, payments, etc] , collect all open items for a given grant for a certain time frame. Bill these items to Sponsor through Resource Related Billing

Billing: Implementation in SD

Sponsored Programs Management

Grant

SP Billing Interface

SP Expense data (GMIA table)

Accounting FI

DB:Grantor

CD:Revenue

SD order (Grantor As Sold-to-Party)

DIP profile

Resource Related Billing (Transaction DP91/DP90)

Billing delta

ADD-ON Business Event
[Implementing GMDEVAOBE_SAPLAD15_005]

Debit memo (A bill)

Debit memo request (A SD order)

DIP Processor

Sales and Distribution

1 2 3 4 5 6 7 8 9 10

Billing: DIP Implementation

GMSPCL (class)

CL1: billable
CL2: billable
CL3: unbillable

GMIA table

Grant	Prog	Class	CCtr/WBS	Func	VType	Amt
G1	SP1	CL1	CC1	F1	50	80
G1	SP1	CL2	CC2	F1	51	50
G1	SP2	CL1	WBS1	F2	54	100
G1	SP1	CL3	WBS2	F1	54	80
G1	SP2	CL2	CC1	F2	81	200
G1	SP1	CL1	CC2	F1	81	100

Billing rule

G1: VType
54 + 81

DIP profile →

Add-on Business Event
GMDEVAOBE_SAPLAD15_005

Dynamic Items

Grant	Class	CCtr/WBS	Func	VType	Amt	Mat
G1	CL1	WBS1	F2	54	100	mat1
G1	CL2	CC1	F2	81	200	mat2
G1	CL1	CC1	F1	81	100	mat2

Debit memo req.

Item 1: mat1   100
Item 2: mat2   300

Sponsored Programs Management

Process &Activity Flow:

Proposal		Application	Contract/Award		
Setup Grant	Plan	Budget Plan & Actual	Consume Grant	Bill Sponsor	Close Grant

TIME →

SP Master Data	R3	SP Budgeting	SP Updating	SP Billing	SP Reporting

- What we know:
  - Sponsors are interested in seeing in their own currency and own fiscal year time frame, all activity associated with a given grant including cost sharing and overhead.
- Provided Tools
  - Drill-Down reporting
  - Report Writer/Painter
  - BW

- What are we looking into ?
    - Records Management
    - Billing with BEA Tool
    - Time & Effort: Integration with HR
    - Status Management
    - Workflow Scenarios
    - Internet Scenarios
    - Workbench
    - Integration with Funds Management