Project Titan

User Group Design Review April 27, 2010



Document Purpose

- Present updated view of the Project Titan solution design
- This document incorporates feedback gathered from the user group during the desing review meeting held on 04/20



Contents

- Terminology
- Overall Application Architecture
- Income Statement Planning
- Balance Sheet Planning
- Detailed Salary Planning
- Funding Model
- Funding Allocations & Transfers



Terminology

- Planning Application A collection of related Plan Types used to meet a set of Planning needs. Plan Types within a Planning Application share certain dimensions, and the security assigned to those dimensions.
- Plan Type A distinct set of dimensions within a Planning Application. Equates to a database in Essbase.
- Essbase The multi-dimensional database engine at the foundation of Hyperion Planning. Hyperion Planning data is stored in Essbase.
- Workspace The Web interface used to access Planning Applications and Reporting content built on these applications
- Dimension A data category used to organize business data for storage and retrieval. Dimensions contain hierarchies of related members. Examples of dimensions include: Account, Department, Program and Project Grant.



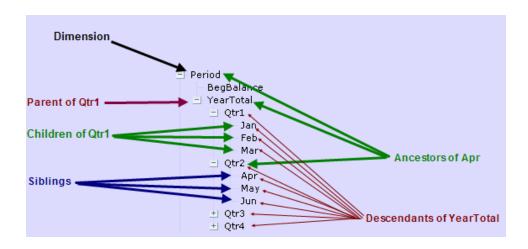
Terminology

- Members The discrete components within a dimension.
- Member Name Typically based on a code or numeric value that represents a member. Examples might include a Department number (e.g. 160400), Account number (e.g. 640001), etc. To ensure uniqueness in member names, it is often necessary to prepend the numeric value with an alpha character representing the dimension that contains the member. (e.g. D160400).
- Member Alias A member alias is typically a textual description of a member. The alias is generally what is displayed on a report. Commonly, the alias will include the member name in order to ensure uniqueness in member aliases. Within a Planning Application, all member names and aliases must be unique. Examples include "Wood Science – 160400" or "Office Supplies – 640001".



Terminology

- Hierarchical Terms
 - Parent Any member that has a child below it
 - Child Any member that has a parent above it
 - Sibling Members which have the same parent
 - Descendants All members that appear below a member (at every level)
 - Ancestors All members that appear above a member (at every level)



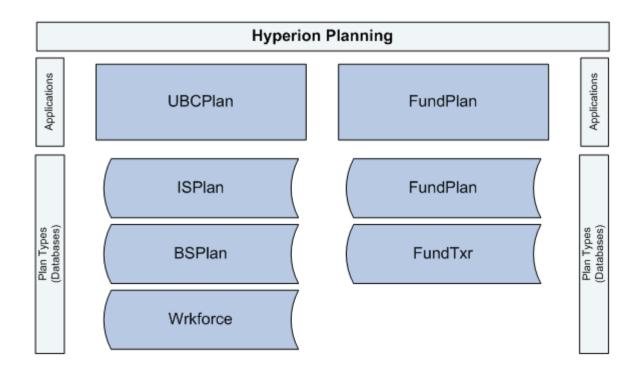


Overall Application Architecture

- The envisioned design includes two Hyperion Planning Applications:
 - UBCPlan Income Statement and Balance Sheet Planning; Detailed Salary Planning by Employee and Position
 - FundPlan New Budget Model; Funding allocations and Funding Transfers



Overall Application Architecture





Income Statement Planning

- Income Statement Planning will occur in the ISPlan Plan Type in the UBCPlan application
- Funding data will be fed from the FundPlan application
- Salary Expense data will be fed from the Wrkforce Plan Type



ISPlan - Dimensions

- The following dimensions will be included in the ISPlan Plan Type:
 - Account
 - Period
 - Fund
 - Department
 - Program Code
 - Project Grant
 - Fiscal Year
 - Scenario
 - Version



ISPlan – Account

 The screen shot below shows a high level representation of the expected structure of the Account dimension in this Plan Type:

```
Account Accounts (Dynamic Calc)
       ALL_ACCOUNTS (+) (Alias: All Accounts for Balance Sheet) (Dynamic Calc) (UDAs: Revenue, Flow)
             - STMT REV EXP (+) (Alias: Statement of Revenue & Expense) (Dynamic Calc) (UDAs: Revenue, Flow)
                       REVENUES (+) (Alias: All sources of revenues) (Dynamic Calc) (UDAs: Revenue.Flow)
                                REVENUE_BUDGET (+) (Alias: Revenue Budget) (Dynamic Calc) (UDAs: Revenue,Flow)
                                GOVERNMENT_GRANTS (+) (Alias: Government Grants) (Dynamic Calc) (UDAs: Revenue,Flow)
OTH_GRANTS_CONTR_DON (+) (Alias: Other Grants, Contracts & Dona) (Dynamic Calc) (UDAs: Revenue,Flow)
                                STUDENT FEES (+) (Alias: Student Fees) (Dynamic Calc) (UDAs: Revenue, Flow)
                               SALES SERVICES (+) (Alias: Saluent Fees) (Dynamic Calc) (UDAs: Revenue, Flow)

YE_DFRLS (+) (Alias: Sales & Services) (Dynamic Calc) (UDAs: Revenue, Flow)

WINVESTMENT_INCOME (+) (Alias: Investment Income) (Dynamic Calc) (UDAs: Revenue, Flow)

CAPITALIZED_INCOME (+) (Alias: Capitalized Investment Income) (Dynamic Calc) (UDAs: Revenue, Flow)
                        EXPENSES (-) (Alias: All Expenses) (Dynamic Calc) (Expense Reporting) (UDAs: Expense, Flow)
                               COST_OF_SALES (+) (Alias: Cost of Sales) (Dynamic Calc) (Expense Reporting) (UDAs: Expense,Flow)

EXPENSE_BUDGET (+) (Alias: Expense Budget) (Dynamic Calc) (Expense Reporting) (UDAs: Expense,Flow)
                                SALARIES (+) (Alias: Salaries) (Dynamic Calc) (Expense Reporting) (UDAs: Expense, Flow)
                                BENEFITS (+) (Alias: Benefits) (Dynamic Calc) (Expense Reporting) (UDAs: Expense, Flow)
                                NON_SAL_BUDGET (+) (Alias: Non-Salary Budget Pool) (Dynamic Calc) (Expense Reporting) (UDAs: Expense, Flow)
                                TRAVEL (+) (Alias: Travel) (Dynamic Calc) (Expense Reporting) (UDAs: Expense, Flow)

LIBR_ACQUISITIONS (+) (Alias: Library Acquisitions) (Dynamic Calc) (Expense Reporting) (UDAs: Expense, Flow)

PROFESSIONAL_FEES (+) (Alias: Professional Fees) (Dynamic Calc) (Expense Reporting) (UDAs: Expense, Flow)
                               MINTERNAL_SERVICES (+) (Alias: Internally Contracted Services) (Dynamic Calc) (Expense Reporting) (UDAs: Expense,Flow)

✓ INTERNAL_SERVICES (+) (Alias: Internally Contracted Services) (Dynamic Calc) (Expense Reporting) (UDAs: Expense,Flow)

✓ UTILITIES (+) (Alias: Building Operations-Utilities - UTILITIES) (Dynamic Calc) (Expense Reporting) (UDAs: Expense,Flow)

✓ DEBT_SERVICING (+) (Alias: Debt Servicing) (Dynamic Calc) (Expense Reporting) (UDAs: Expense,Flow)

✓ CAPITAL_EXPENDITURES (+) (Alias: Capital Expenditures) (Dynamic Calc) (Expense Reporting) (UDAs: Expense,Flow)

✓ DEPRECIATION (+) (Alias: Depreciation) (Dynamic Calc) (Expense Reporting) (UDAs: Expense,Flow)
                              - GRANTS_TO_OTH_AGENC (+) (Alias: Grants to Other Agencies) (Dynamic Calc) (Expense Reporting) (UDAs: Expense,Flow)
                           SCHOL FEL BURS (+) (Alias: Scholarships, Fellowship, Bur) (Dynamic Calc) (Expense Reporting) (UDAs: Expense,Flow)
SUPPLIES_EXPENSES (+) (Alias: Operational Supplies & Expense) (Dynamic Calc) (Expense Reporting) (UDAs: Expense,Flow)
                        NTERFUND TERS (+) (Alias: Interfund Transfers) (Dynamic Calc) (UDAs: Revenue Flow)

    TRIN (+) (Alias: T-Transfers In - TRIN) (UDAs: Revenue, Flow)
    TROUT (+) (Alias: T-Transfers Out - TROUT) (UDAs: Revenue, Flow)

       STATS (~) (Label Only)

METRICS (~) (Label Only)
        PLAN_ACCTS (~) (Label Only)
            No Account (~)
```



ISPlan - Account

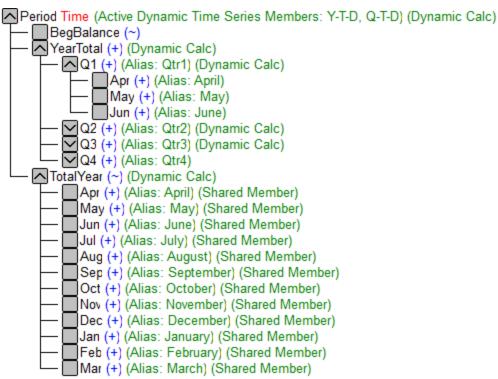
 The "UTILITIES" segment of the hierarchy is shown below as an example of the naming conventions to be used in the hierarchy:

```
UTILITIES (+) (Alias: Building Operations-Utilities - UTILITIES) (Dynamic Calc) (Expense Reporting) (UDAs: Expense, Flow)
    HEAT LIGHT POWER (+) (Alias: Heat, Light & Power) (Dynamic Calc) (Expense Reporting) (UDAs: Expense, Flow)
         760000 (+) (Alias: Budget Pool-Utilities - 760000) (Expense Reporting) (UDAs: Expense, Flow)
          762100 (+) (Alias: Utilties-Electricity - 762100) (Expense Reporting) (UDAs: Expense, Flow)
          762200 (+) (Alias: Utilities-Heat - 762200) (Expense Reporting) (UDAs: Expense, Flow)
          762300 (+) (Alias: Utilities-Steam - 762300) (Expense Reporting) (UDAs: Expense.Flow)
          762400 (+) (Alias: Utilities-Gas - 762400) (Expense Reporting) (UDAs: Expense Flow)
          762401 (+) (Alias: Utilities - Gas Carbon Tax - 762401) (Expense Reporting) (UDAs: Expense Flow)
          762450 (+) (Alias: Utilities-Gas Financing - 762450) (Expense Reporting) (UDAs: Expense Flow)
          762460 (+) (Alias: Utilities-Operations & Mainten - 762460) (Expense Reporting) (UDAs: Expense, Flow)
         762500 (+) (Alias: Utilities-Water - 762500) (Expense Reporting) (UDAs: Expense Flow)
          762600 (+) (Alias: Utilities-Other - 762600) (Expense Reporting) (UDAs: Expense, Flow)
          762700 (+) (Alias: Utilities-Cost reduction - 762700) (Expense Reporting) (UDAs: Expense.Flow)
         UTIL (+) (Alias: E-Utilities - UTIL) (Expense Reporting) (UDAs: Expense, Flow)
    COMMUNICATIONS (+) (Alias: Communications) (Dynamic Calc) (Expense Reporting) (UDAs: Expense, Flow)
          658501 (+) (Alias: Cellular - 658501) (Expense Reporting) (UDAs: Expense, Flow)
          764000 (+) (Alias: Rental-Telephone equipment - 764000) (Expense Reporting) (UDAs: Expense, Flow)
          764003 (+) (Alias: Internet connection - 764003) (Expense Reporting) (UDAs: Expense Flow)
         765000 (+) (Alias: Telephone-Long distance - 765000) (Expense Reporting) (UDAs: Expense, Flow)
         765001 (+) (Alias: Telephone - 765001) (Expense Reporting) (UDAs: Expense, Flow)
          765010 (+) (Alias: Pagers - 765010) (Expense Reporting) (UDAs: Expense, Flow)
          766000 (+) (Alias: Telephone installation - 766000) (Expense Reporting) (UDAs: Expense, Flow)
          767000 (+) (Alias: Backbone connection-Rent - 767000) (Expense Reporting) (UDAs: Expense, Flow)
          COMMUN (+) (Alias: Communication accounts - COMMUN) (Expense Reporting) (UDAs: Expense, Flow)
```



ISPlan - Period

 The screen shot below shows a high level representation of the expected structure of the Period dimension in this Plan Type:





ISPlan – Fund

 The screen shot below shows a high level representation of the expected structure of the Fund dimension in this Plan Type:

```
Fund (Label Only)
    ÀLL_FUNDS (+) (Alias: UBC Consolidated) (Never Share)
         ANCILLARY FUND (+) (Alias: Ancillary Fund) (Never Share)
         AWARDS FUND (+) (Alias: Awards Fund) (Never Share)
            - W0000 (+) (Alias: Student Awards - W0000) (Never Share)
             W1000 (+) (Alias: Okanagan Student Awards - W1000) (Never Share)
         CAPITAL FUNDS (+) (Alias: Capital Fund) (Never Share)
              REST CAPITAL (+) (Alias: Restricted Capital Fund) (Never Share)
               PXXXX (+) (Alias: Restricted Capital - PXXXX) (Never Share)
             UNREST CAPITAL (+) (Alias: Unrestricted Capital Fund) (Never Share)
                PYYYY (+) (Alias: Unrestricted Capital - PYYYY) (Never Share)
         CONTINUING STUDIES (+) (Alias: Continuing Education Fund) (Never Share)
              C0000 (+) (Alias: Continuing Studies-General - C0000) (Never Share)
              C0001 (+) (Alias: Continuing Studies - C0001) (Never Share)
             CXXXX (+) (Alias: C-Fund Rollup - CXXXX) (Never Share)
         END ST LOAN FUND (+) (Alias: Endowment & Student Loan Fund) (Never Share)
         EXXXX (+) (Alias: E-Fund Rollup - EXXXX) (Never Share)
         FEE FOR SERVICE (+) (Alias: Fee For Service Fund) (Never Share)
              F0000 (+) (Alias: Fee for Service - F0000) (Never Share)
             F1000 (+) (Alias: Fee For Service - July 1, 2002 - F1000) (Never Share)
         GENERAL PURPOSE (+) (Alias: General Purpose Operating Fund) (Never Share)
             G0000 (+) (Alias: General Purpose Operating - G0000) (Never Share)
         RESEARCH_FUND (+) (Alias: Sponsored Research Fund) (Never Share)

    RXXXX (+) (Alias: R-fund rollup for Hyperion - RXXXX) (Never Share)

         SPECIFIC_PURPOSE (+) (Alias: Specific Purpose Fund) (Never Share)
             SXXXX (+) (Alias: S-Fund Rollup for Hyperion - SXXXX) (Never Share)
    FUND ALT (~) (Alias: Fund Alternates) (Label Only)
        OPER FUND (~) (Alias: Operating Funds) (Never Share)
             GENERAL PURPOSE (+) (Alias: General Purpose Operating Fund) (Shared Member)
              FEE FOR SERVICE (+) (Alias: Fee For Service Fund) (Shared Member)
             CONTINUING STUDIES (+) (Alias: Continuing Education Fund) (Shared Member)
     No Fund (~) (Never Share)
```



ISPlan – Fund

While most funds will be summarized, all Ancillary Funds will be included:

| Ancillary Funds will be included: | Ancillary Funds | Ancill

Fund (Label Only) - ALL FUNDS (+) (Alias: UBC Consolidated) (Never Share) - ANCILLARY FUND (+) (Alias: Ancillary Fund) (Never Share) A0000 (+) (Alias: Anc payroll accrual - A0000) (Never Share)
ARES (+) (Alias: Applied Research & Evaluation) (Never Share)
A1100 (+) (Alias: ARES - A1100) ATHLETICS (+) (Alias: Athletics & Recreation) (Never Share)
A0900 (+) (Alias: Athletics & Recreation - A0900) BIOMEDICAL COMM (+) (Alias: The Media Group) (Never Share)
A1800 (+) (Alias: The Media Group - A1800) BOOKSTORE (+) (Alias: Bookstore Fund) (Never Share)
A0200 (+) (Alias: Bookstore - A0200) COMPUTING COMMUNICAT (+) (Alias: Computing & Communications) (Never Share) A1200 (+) (Alias: Information Technology Svc - 2 - A1200)
A1300 (+) (Alias: Information Technology Svc - 3 - A1300) - FOOD SERVICES (+) (Alias: Food Services) (Never Share)
- A0400 (+) (Alias: Food Services - A0400) - HSG CONF CHILD (+) (Alias: Housing & Hospitality Services) (Never Share) - CHILD CARE (+) (Alias: Child Care) (Never Share)
A1600 (+) (Alias: Child Care Services - A1600) - GREEN COLLEGE (+) (Alias: Green College Fund) (Never Share) A1700 (+) (Alias: Green College - A1700) - HOUSING CONFERENCES (+) (Alias: Student Housing & Conferences) (Never Share) A0300 (+) (Alias: Student Housing & Conferences - A0300) - UNIV HOUSING (+) (Alias: University Housing) (Never Share) A1500 (+) (Alias: University Housing - A1500) MEDIA SERVICES (+) (Alias: Media Services) (Never Share) PLANT OPS (+) (Alias: Building Operations) (Never Share) A2000 (+) (Alias: Plant Operations - A2000) (Never Share) - A2001 (+) (Alias: Plant Operations - A2001) (Never Share) ROBSON SQUARE (+) (Alias: Robson Square Fund) (Never Share) ST JOHNS COLLEGE (+) (Alias: St. John's College) (Never Share) - A1750 (+) (Alias: St. John's College - A1750) - A2400 (+) (Alias: St. John's College - A2400) UBCO ATHLETICS RECR (+) (Alias: UBCO Athletics and Recreation) (Never Share) UBCO_DISTANCE_ED (+) (Alias: UBCO Distance Education) (Never Share) · DBCO FOOD SERVICES (+) (Alias: UBCO Food Services) (Never Share)

A3400 (+) (Alias: UBCO-Food Services - A3400) UBC PRESS (+) (Alias: UBC Press) (Never Share)
A0100 (+) (Alias: UBC Press - A0100) UTILITIES (+) (Alias: Building Operations-Utilities) (Never Share) A1900 (+) (Alias: Utilities - A1900)



ISPlan – Department

 The screen shot below shows a high level representation of the expected structure of the Department dimension in this Plan Type:

```
Department Country (Label Only)
    PRESIDENT (+) (Never Share)
        GEN REV EXP (+) (Never Share)
         PRESIDENTS_OFFICE (+) (Never Share)
         ✓ UBCO DEPUTY VC (+) (Never Share)
        VP ACADEMIC (+) (Never Share)
             APPLIED SCIENCES (+) (Never Share)
             ARTS (+) (Never Share)
             COMMERCE (+) (Never Share)
             DENTISTRY (+) (Never Share)
             EDUCATION (+) (Never Share)
             FORESTRY (+) (Never Share)
             GRADUATE STUDIES (+) (Never Share)
             HEALTH SCIENCES (+) (Never Share)
             INTERDISC. STUDIES (+) (Never Share)
             ✓INTER FACULTY PGM (+) (Never Share)
             ✓ITS (+) (Never Share)
             LAND_FOOD_SYSTEMS (+) (Never Share)
             LAW (+) (Never Share)
             LIBRARY (+) (Never Share)
             MEDICINE (+) (Never Share)
             PHARMACEUTICAL_SCIEN (+) (Never Share)
             SCIENCE (+) (Never Share)
             UBCO ACADEMIC (+) (Never Share)
             VP ACAD UNITS (+) (Never Share)
         VP ADMIN FIN (+) (Never Share)
         VP_DEV_ALUM (+) (Never Share)
         VP EXTERNAL AFFAIRS (+) (Never Share)
        VP_RESEARCH (+) (Never Share)
         VP_STUDENTS (+) (Never Share)
    DEPT ALT (~) (Alias: Department Alternates) (Label Only)
        - Total Campuses (~) (Never Share)
            - UBCV (~) (Alias: University of British Columbia @ Vancouver) (Never Share)
- UBCO (~) (Alias: University of British Columbia @ Okanagan) (Never Share)

■ 110401 Departments (~) (Alias: Department Hierarchy as of 04.01.11) (Never Share)

    No Department (~) (Never Share)
```



ISPlan – Department

 The "COMMERCE" segment of the hierarchy is shown below as an example of the naming conventions to be used in the hierarchy:

```
COMMERCE (+) (Never Share)

COMMERCE_DEANS_OFF (+) (Never Share)

D130100 (+) (Alias: Faculty Of Commerce -- Dean's - 130100) (Never Share)

D130101 (+) (Alias: Teaching Degree Programs - 130101) (Never Share)

D130102 (+) (Alias: Student Services - 130102) (Never Share)

D130103 (+) (Alias: Research Programs - 130103) (Never Share)

D130104 (+) (Alias: Faculty Staff Services - 130104) (Never Share)

D130105 (+) (Alias: General Support Services - 130105) (Never Share)

D130106 (+) (Alias: Business Government Liason - 130106) (Never Share)

CTR_FOR_TRANSP_ST (+) (Never Share)

PROFESSIONAL_PROGRAM (+) (Never Share)
```



ISPlan – Program Code

 The screen shot below shows a high level representation of the expected structure of the Program Code dimension in this Plan

Type:

```
Program Code (Label Only)
    ALL PROGRAMS (+)
            PC DEFAULT (+) (Alias: Default Program Code)
            PC# 5 (+) (Alias: Sample Program Code Alias - # 5)
            PC00005 (+) (Alias: Sample Program Code Alias - 00005)
            PC00017 (+) (Alias: Sample Program Code Alias - 00017)
            PC00018 (+) (Alias: Sample Program Code Alias - 00018)
            PC00023 (+) (Alias: Sample Program Code Alias - 00023)
            PC00027 (+) (Alias: Sample Program Code Alias - 00027)
            PC00029 (+) (Alias: Sample Program Code Alias - 00029)
            PC00034 (+) (Alias: Sample Program Code Alias - 00034)
            PC00039 (+) (Alias: Sample Program Code Alias - 00039)
            PC00040 (+) (Alias: Sample Program Code Alias - 00040)
            PC00054 (+) (Alias: Sample Program Code Alias - 00054)
            PC00060 (+) (Alias: Sample Program Code Alias - 00060)
            PC00064 (+) (Alias: Sample Program Code Alias - 00064)
            PC00065 (+) (Alias: Sample Program Code Alias - 00065)
            PC00066 (+) (Alias: Sample Program Code Alias - 00066)
            PC00068 (+) (Alias: Sample Program Code Alias - 00068)
            PC00070 (+) (Alias: Sample Program Code Alias - 00070)
            PC ... (+)
            PCZZBLA (+) (Alias: Sample Program Code Alias - ZZBLA)
          PCZZGSA (+) (Alias: Sample Program Code Alias - ZZGSA)
            PCZZISB (+) (Alias: Sample Program Code Alias - ZZISB)
          PCZZUSS (+) (Alias: Sample Program Code Alias - ZZUSS)
     No Program (~)
```



ISPlan – Project Grant

 The screen shot below shows a high level representation of the expected structure of the Project Grant dimension in this Plan

```
TVDE: Project Grant (Label Only)
                 ALL PGS (+) (Alias: All Project Grants) (Never Share)
                       PG DEFAULT (+) (Alias: Default Project Grant) (Never Share)
                      PG110100 (+) (Alias: Applied Science-Deans office - 110100 PG Parent) (Never Share)
                              10E35000 (+) (Alias: 10E35000 - Specialty Poultry) (Never Share)
                              10E40110 (+) (Alias: 10E40110 - Knigge D C & H L Alpine Garden) (Never Share)
                              10E40170 (+) (Alias: 10E40170 - Agricultural Sci Japan Fund) (Never Share)
                              10E40200 (+) (Alias: 10E40200 - Straley G Garden Maintenance) (Never Share)
                              10E40210 (+) (Alias: 10E40210 - Botanical Grdn & Cntre Horticl) (Never Share)
                              10E40360 (+) (Alias: 10E40360 - Oyster River Research Farm End) (Never Share)
                              10E40490 (+) (Alias: 10E40490 - Runeckles V Research Award) (Never Share)
                              10E40670 (+) (Alias: 10E40670 - Agriculture & Environmnt Chair) (Never Share)
                              10E40730 (+) (Alias: 10E40730 - Aquaculture & Environmnt Chair) (Never Share)
                              10E42022 (+) (Alias: 10E42022 - JV Brown Trek-Botanical Garden) (Never Share)
                      PG110101 (+) (Alias: Engineering Co-operative Educ. - 110101 PG Parent) (Never Share)
                      PG110200 (+) (Alias: School of Arch and LS Arch - 110200 PG Parent) (Never Share)
                      PG110300 (+) (Alias: Chemical & Biological Engineer - 110300 PG Parent) (Never Share)
                      PG110301 (+) (Alias: Chemical & Biological Engineer - 110301 PG Parent) (Never Share)

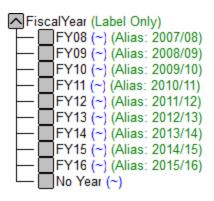
→ PG110400 (+) (Alias: Civil Engineering - 110400 PG Parent) (Never Share)

                       PG ... (+) (Never Share)
                      PG310100 (+) (Alias: VP Students - 310100 PG Parent) (Never Share)
                      PG SHARED (+) (Never Share)
                   No Project Grant (~) (Never Share)
```



ISPlan - FiscalYear

- Historical Actual data will be loaded for 2007/08 forward
- The application will be built to support a 5 year Long Range Forecast
- The screen shot below shows the expected structure of the FiscalYear dimension in this Plan Type:





ISPlan – Scenario

 The screen shot below shows the expected structure of the Scenario dimension in this Plan Type:

```
Scenario (Label Only)
      Fcst (~) (Alias: Forecast)
      Plan (~)
      LRF (~) (Alias: Long-Range Forecast)
     Act (~) (Alias: Actual)
    TotCommit (~) (Alias: Total Committed) (Dynamic Calc)
         Act (~) (Alias: Actual) (Shared Member)
         Commit (~) (Alias: Commitments)
    Variances (~) (Label Only)
         ActVsPlan (~) (Alias: Actual vs. Plan) (Dynamic Calc)
          ActVsPlan% (~) (Alias: Actual vs. Plan %) (Dynamic Calc)
          ActVsFcst (~) (Alias: Actual vs. Fcst) (Dynamic Calc)
          ActVsFcst% (~) (Alias: Actual vs. Fcst %) (Dynamic Calc)
          ActVsPrior (~) (Alias: Actual vs. Prior) (Dynamic Calc)
          ActVsPrior% (~) (Alias: Actual vs. Prior %) (Dynamic Calc)
          PlanVsPrior (~) (Alias: Plan vs. Prior) (Dynamic Calc)
          PlanVsPrior% (~) (Alias: Plan vs. Prior %) (Dynamic Calc)
          FcstVsPlan (~) (Alias: Fcst vs. Plan) (Dynamic Calc)
          FcstVsPlan% (~) (Alias: Fcst vs. Plan %) (Dynamic Calc)
          FcstVsPrior (~) (Alias: Fcst vs. Prior) (Dynamic Calc)
          FcstVsPrior% (~) (Alias: Fcst vs. Prior %) (Dynamic Calc)
          FcstVsCommit (~) (Alias: Fcst vs. Committed) (Dynamic Calc)
          FcstVsCommit% (~) (Alias: Fcst vs. Committed %) (Dynamic Calc)
          LRFVsPrior (~) (Alias: Long-Range Fcst vs. Prior) (Dynamic Calc)
         LRFVsPrior% (~) (Alias: Long-Range Fcst vs. Prior %) (Dynamic Calc)
      No Scenario (~)
```



ISPlan – Version

- The Version dimension will store different Versions of the planning Scenarios (Forecast, Plan and Long Range Forecast)
- Users will generally work in the Working Version and will use the Draft1 and Draft2 Versions for What-If type analyses
- The screen shot below shows the expected structure of the Version dimension in this Plan Type:

```
Version (Label Only)

Approved (~) (UDAs: Standard Bottom Up,Public)

Working (~) (UDAs: Standard Bottom Up,Public)

Draft1 (~) (Alias: Draft 1) (UDAs: Standard Bottom Up,Public)

Draft2 (~) (Alias: Draft 2) (UDAs: Standard Bottom Up,Public)

No Version (~) (UDAs: Standard Bottom Up,Public)
```



ISPlan – External Data Sources

- Actual data from the PeopleSoft General Ledger will be loaded on a nightly basis
- Historical Actual data from 2007/08 forward will be loaded prior to go-live
- Historical Budget data for 2010/11 will be loaded prior to go-live
- Commitments data from the PeopleSoft Commitment Control Ledger will be loaded on a monthly basis



ISPlan – Planning Input Forms

- General Expense Input
- Account Input (with History)
- Project Grants & Programs by Department, Account & Fund
- Consolidated Income Statement Review
- Research Grant Review
- Below the line items
- Investment Income Revenue
- Sales and Service
- Related Organizations Input
- Consolidation Review (Capital)
- Depreciation
- Amortization of Deferred Capital Contributions
- Endowment Expenditures



ISPlan – Form Sample

• The screen shot below shows a sample of the design for the General Expense Input form for the Forecast Scenario:

Select	Select	Select	Select
Department	Fund	Project Grant	Program Code

	Approved			Wor	king			Working	Working	Working
	Plan			Fore	ecast			Fcst vs. Plan	Total Committed	Fcst vs. Committed
	TotalYear	April	May	June		March	- TotalYear	TotalYear	TotalYear	TotalYear
Field trips-Public carrier - 611000	50	5	4	7	5	5	61	(11)	19	(42)
Travel expenses - 620000	90	7	8	7	8	8	94	(4)	34	(60)
Relocation & moving - 634000	30	4	3	3	3	3	37	(7)	7	(30)
E-Travel - TRAVL	60	5	5	5	5	5	60		30	(30)
Travel	230	21	20	22	21	21	252	(22)	90	(162)



ISPlan – Key User Calculations

Apply Historical Average

 A Rule will be created to allow users to set plan or forecast values based on other data in the database.

This Rule will:

- · Allow users to select the Account, Department, Fund, Project Grant and Program Code to modify
- Allow users to select the range of Periods within a FiscalYear to modify
- Select a Scenario, Version, FiscalYear and range of Periods & FiscalYears to base the average on
- · Select whether to apply historical seasonality or set all values equal to a single average
- Input an adjustment % to be applied to the average

Apply Historical Seasonality

 A Rule will be created to allow users to apply historical seasonality to the values that they have planned or forecast, without changing the total value planned.

This Rule will:

- Allow users to select the Account, Department, Fund, Project Grant and Program Code to modify
- Allow users to select the range of Periods within a FiscalYear to modify
- · Select a Scenario, Version and FiscalYear to spread based on

User Aggregation

 A Rule will be used to allow users to select the areas in the database (to which they have access) and aggregate the database for those areas.



ISPlan – Key User Calculations

Spreadback

 A Rule will be created to allow users to spread an input value across all PGs and Program Codes for a Level 0 Department, Account and Fund. Users will have the ability to spread based on the values in any Account and any Scenario->Version->FiscalYear->Period combination.

Generate Forecast

 A Rule will be created to allow users to automatically update the Forecast based on YTD Actuals, System Commitments and set the Forecast equal to the Final Plan.

This Rule will:

- Import Actual data into the selected Version of the Forecast
- Import updated System Commitments into the selected Version of the Forecast
- Calculate the variance versus the Final Plan or any other stored Scenario and Version
- Eliminate the Variance by setting the appropriate values in the "Uncommitted" member to force the Total Year to match the selected Scenario and Version
- The user will have the option to spread the calculated variance evenly or proportionately, or to plug the variance into one Period
- The user will also have the option to allow or disallow negative values (if negative values are disallowed, variances will remain)



Balance Sheet Planning

- Balance Sheet Planning will occur in the BSPlan Plan Type in the UBCPlan application
- When planning the Balance Sheet, users will enter balances rather than activity



BSPlan - Dimensions

- The following dimensions will be included in the BSPlan Plan Type:
 - Account
 - Period (Same as ISPlan)
 - Fund (Same as ISPlan)
 - Department (Same as ISPlan)
 - Fiscal Year (Same as ISPlan)
 - Scenario (Same as ISPlan)
 - Version (Same as ISPlan)



BSPlan – Account

 The screen shot below shows the expected structure of the Account dimension in this Plan Type:

```
Account Accounts (Never Share)
    ALL ACCOUNTS (+) (Alias: All Accounts) (Dynamic Calc) (UDAs: Revenue, Flow)
         BALANCE SHEET (+) (Alias: Balance Sheet) (Dynamic Calc)
             ASSETS (+) (Alias: All assets) (Dynamic Calc)
                   CASH (+) (Alias: Cash accounts)
                    INVESTMENTS (+) (Alias: Investments)
                    INVENTORY (+) (Alias: Inventory)
                    ACCOUNTS RECEIVABLE (+) (Alias: Accounts Receivable)
                     PREPAIDS (+) (Alias: Prepaid Expenses)
                  CAPITAL ASSETS (+) (Alias: Capital Assets)
             LIABILITIES (-) (Alias: All liabilities) (Dynamic Calc)
                    ACCOUNTS PAYABLE (+) (Alias: Accounts Payable)
                   LTBEN (+) (Alias: Long Term Employee Benefits)
                   LTD (+) (Alias: Long Term Debt)
                  DCC (+) (Alias: Deferred Capital Contribution)
             EQUITY (-) (Alias: All equity/funds) (Dynamic Calc)
                    AGENCY FUNDS (+) (Alias: Non-UBC (Out of Scope))
                    ECA (+) (Alias: ECA)
                    ENDOWMENT PRINCIPAL (+) (Alias: Endowment Principal Funds)
                    RESERVES (+) (Alias: Reserves)
                   UNRESTRICTED (+) (Alias: Unrestricted Funds)
    PLAN ACCTS (~)
```



BSPlan – External Data Sources

- Actual data from the PeopleSoft General Ledger will be loaded on a nightly basis
- Historical Actual data from 2007/08 forward will be loaded prior to go-live
- Historical Budget data for 2010/11 will be loaded prior to go-live



BSPlan – Planning Input Forms

Balance Sheet Input



BSPlan – Form Sample

• The screen shot below shows a sample of the Balance Sheet Input form for the Forecast Scenario:

Select	Select	Select
Department	Fund	Version

	April	May	June		December	- TotalYear
Cash accounts	1,322,752	1,272,371	1,270,225	1,225,110	1,199,224	1,199,224
Investments	387,073	394,814	402,710	398,683	406,657	406,657
Inventory	21,845	21,627	22,060	21,839	22,276	22,276
Accounts Receivable	874	891	882	900	918	918
Prepaid Expenses	1,748	1,731	1,766	1,784	1,766	1,766
Capital Assets	1,121,858	1,133,077	1,155,739	1,190,411	1,214,219	1,214,219
All assets	2,856,150	2,824,511	2,853,382	2,838,727	2,845,060	2,845,060
Accounts Payable	4,370	4,455	4,410	4,500	4,590	4,590
Long Term Employee Benefits	14,858	14,709	15,003	14,853	15,150	15,150
Long Term Debt	560,929	549,710	538,716	527,942	517,383	517,383
Deferred Capital Contribution	29,716	29,419	29,125	29,708	29,411	29,411
All liabilities	609,873	598,293	587,254	577,003	566,534	566,534
Non-UBC	20,450	20,450	20,450	20,450	20,450	20,450
ECA	6,509	6,639	6,573	6,704	6,838	6,838
Endowment Principal Funds	1,234,044	1,221,704	1,246,138	1,233,677	1,258,351	1,258,351
Reserves	200,342	200,342	200,342	200,342	200,342	200,342
Unrestricted Funds	784,932	777,083	792,625	800,551	792,545	792,545
All equity/funds	2,246,277	2,226,218	2,266,128	2,261,724	2,278,526	2,278,526
Balance Sheet						



Detailed Salary Planning

- Detailed Salary Planning will occur in the Wrkforce Plan Type in the UBCPlan application
- Summarized Salary Expense data calculated in this Plan Type will be fed to the ISPlan Plan Type
- Wrkforce is a pre-packaged module that will be further configured for UBC



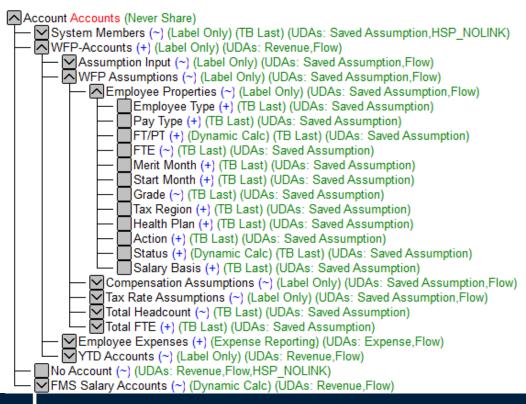
Wrkforce - Dimensions

- The following dimensions will be included in the Wrkforce Plan Type:
 - Account
 - Period (Same as ISPlan)
 - Fund (Same as ISPlan)
 - Department (Same as ISPlan)
 - Position
 - Employee
 - Project Grant (Same as ISPlan)
 - Fiscal Year (Same as ISPlan)
 - Scenario (Same as ISPlan)
 - Version (Same as ISPlan)



Wrkforce - Account

 The screen shot below shows a high level representation of the expected structure of the Account dimension in this Plan Type:





Wrkforce – Employee

 The screen shot below shows a high level representation of the expected structure of the Employee dimension in this Plan Type:

```
Employee (Label Only)

    Total Employees (+)

         Existing Employees (+)
              A (+) (Alias: A Employees) (Never Share)
                     E54329876 (+) (Alias: Abbott, Kirk - E54329876)
                     E65438765 (+) (Alias: Allen, Pete - E65438765)
                     E43217654 (+) (Alias: Amblin, Jeff - E43217654)
                     E32396543 (+) (Alias: Anderson, John - E32396543)
                     E98769876 (+) (Alias: Appello, Kenneth - E98769876)
                     E21987654 (+) (Alias: Arliss, Michael - E21987654)
                     E09876543 (+) (Alias: Atwater, Will - E09876543)
              B (+) (Alias: B Employees) (Never Share)
              C (+) (Alias: C Employees) (Never Share)
              D (+) (Alias: D Employees) (Never Share)
              E (+) (Alias: E Employees) (Never Share)
              F (+) (Alias: F Employees) (Never Share)
              G (+) (Alias: G Employees) (Never Share)
              H..... (+) (Never Share)
              W (+) (Alias: W Employees) (Never Share)
              X (+) (Alias: X Employees) (Never Share)
              Y (+) (Alias: Y Employees) (Never Share)
              Z (+) (Alias: Z Employees) (Never Share)
         ✓ New Employees (+)
           Department General (+)
     No Employee (~)
```



Wrkforce - Position

 The screen shot below shows a high level representation of the expected structure of the Position dimension in this Plan Type:

```
Position (Label Only)
    ALL POSITIONS (+) (Alias: All Positions) (Never Share)
         P110100 (+) (Alias: Applied Science-Deans office Positions - P110100) (Never Share)
               P01234567 (+) (Alias: Sample Position - P01234567) (Never Share)
                 P01234568 (+) (Alias: Sample Position - P01234568) (Never Share)
                 P01234569 (+) (Alias: Sample Position - P01234569) (Never Share)
                P12345678 (+) (Alias: Sample Position - P12345678) (Never Share)
                P12345679 (+) (Alias: Sample Position - P12345679) (Never Share)
               P12345680 (+) (Alias: Sample Position - P12345680) (Never Share)
               P12345681 (+) (Alias: Sample Position - P12345681) (Never Share)
               P12345682 (+) (Alias: Sample Position - P12345682) (Never Share)
               P12345683 (+) (Alias: Sample Position - P12345683) (Never Share)

▼P110101 (+) (Alias: Engineering Co-operative Educ. Positions - P110101) (Never Share)

            P110200 (+) (Alias: School of Arch and LS Arch Positions - P110200) (Never Share)

▼P110300 (+) (Alias: Chemical & Biological Engineer Positions - P110300) (Never Share)

          P110301 (+) (Alias: Chemical & Biological Engineer Positions - P110301) (Never Share)
          P110400 (+) (Alias: Civil Engineering Posiitons - P110400) (Never Share)
         P113000 (+) (Alias: Cont Engineering Education Positions - P113000) (Never Share)
      No Position (~) (Never Share)
```



Wrkforce - External Data Sources

- Position Management data will be loaded into the Wrkforce Plan Type on a monthly basis
- Actual salary data from HRMS will be loaded on a monthly basis



Wrkforce – Planning Input Forms

- Manage Employee Status
- Existing Employee Summary
- Manage Existing Employees
- Manage New Hires
- Headcount/FTE



Wrkforce – Form Sample

 The screen shot below shows a sample of the Manage Existing Employees Input form for the Plan Scenario:

	Select	Select	Select	Select						
	Departme	ent Fund	Project Grant	Version						
	FT/PT	H/S	FTE	Comp. Rate	Shift Diff.	Total Adj. % Hi	ire Date	Ending Salary	Employment Group	
Sample Position - P01234567 Abbott, Kirk - E54329	876 FT	Salary	1.00	62,000.00		3.00% 8	8/5/2003	63,860.00	Excluded M&P	
Sample Position - P01234568 Allen, Pete - E654387	65 FT	Salary	1.00	83,500.00		3.00% 3	3/8/1994	86,005.00	Faculty (Fac Assn)	
Sample Position - P01234569 Amblin, Jeff - E43217	654 PT	Hourly	0.50	16.50	2.00	4.00% 6/	/28/2009	20,009.60	CUPE 116(Service/Techs/Trade	25)
Sample Position - P12345678 Anderson, John - E32	396543 FT	Salary	1.00	110,000.00		4.00% 6	5/3/2002	114,400.00	Excluded M&P	
Sample Position - P12345679 Appello, Kenneth - E	98769876 FT	Hourly	1.00	22.00		2.00% 2/	/10/2007	46,675.20	Other Staff	



Funding Model

 The new funding model will be represented in the FundPlan Plan Type



FundPlan - Dimensions

- The following dimensions will be included in the FundPlan Plan Type:
 - Account
 - Period (Same as ISPlan)
 - Fund (Same as ISPlan)
 - Department (Same as ISPlan)
 - Project Grant (Same as ISPlan)
 - Fiscal Year (Same as ISPlan)
 - Scenario (Same as ISPlan)
 - Version (Same as ISPlan)



FundPlan - Account

 The screen shot below shows a high level representation of the expected structure of the Account dimension in this Plan Type:

```
Account Accounts (Dynamic Calc)
    FundPlan Accounts (+) (Dynamic Calc) (UDAs: Revenue, Flow)
         FundingModel (~) (Alias: Funding Model Accounts) (Dynamic Calc) (UDAs: Revenue, Flow)
              FundingModelDrivers (~) (Alias: Funding Model Drivers) (Dynamic Calc) (UDAs: Revenue,Flow)
                   Domestic FTEs (+)
                        UG COURSE FTE H (+) (Alias: H. UG Course FTEs from WITHIN faculty) (UDAs: Revenue, Flow)
                         UG COURSE FTE J (+) (Alias: J. UG Course FTEs from OUTSIDE faculty) (UDAs: Revenue, Flow)
                        UG COURSE FTE S (+) (Alias: S. UG Course FTEs Taught Outside Faculty) (UDAs: Revenue, Flow)
                          UGPB PROG FEE FTE T (+) (Alias: T. UG/PB Program-Fee Students from WITHIN faculty) (UDAs: Revenue, Flow)
                          DOCTORAL FTE E (+) (Alias: E. All Doctoral FTE - For reference only) (UDAs: Revenue, Flow)
                        MASTERS FTE F (+) (Alias: F. All Masters FTE - For reference only) (UDAs: Revenue, Flow)

    ISI Student FTEs (+)

                        ISI STUD N (+) (Alias: N. All Students in Your Courses (Before 2006)) (UDAs: Revenue, Flow)
                        ISI STUD O (+) (Alias: O. All Students in Your Courses (From & after 2006)) (UDAs: Revenue, Flow)
                        ISI STUD P (+) (Alias: P. Your Students in All Courses (Before 2006)) (UDAs: Revenue, Flow)
                        ISI STUD Q (+) (Alias: Q. Your Students in All Courses(From & after 2006)) (UDAs: Revenue, Flow)
                        ISI STUD G (+) (Alias: G. Masters FTE (ISI) - For reference only) (UDAs: Revenue, Flow)
              FundingModelRates (~) (Alias: Funding Model Rates) (Dynamic Calc) (UDAs: Revenue, Flow)
              FundingModelTuition (~) (Alias: Funding Model Tuition) (Dynamic Calc) (UDAs: Revenue, Flow)

✓ FundingModelComplement (~) (Alias: Funding Model Complement)
```



FundPlan - External Data Sources

 Driver data will be loaded from the Student Information System (SIS)



FundPlan – Planning Input Forms

Funding Model



FundPlan – Form Sample

 The screen shot below shows a sample of the Funding Model form:

> Select Version

	APSC	NURS	SALA	APSC Total
Domestic FTEs	337	628	55	1,020
H. UG Course FTEs from WITHIN faculty	233	1	22	256
J. UG Course FTEs from OUTSIDE faculty	24	181		205
S. UG Course FTEs Taught Outside Faculty		158		158
T. UG/PB Program-Fee Students from WITHIN faculty				
E. All Doctoral FTE - For reference only	28	76	10	114
F. All Masters FTE - For reference only	52	212	24	288
Domestic Tution Rates				
H. UG Course FTEs from WITHIN faculty	4,518	4,518	4,518	
J. UG Course FTEs from OUTSIDE faculty	4,518	4,518		
S. UG Course FTEs Taught Outside Faculty				
T. UG/PB Program-Fee Students from WITHIN faculty				
ISI Student FTEs	43	466	3	512
N. All Students in Your Courses (Before 2006)	4	8		12
O. All Students in Your Courses (From & after 2006)	21	10	1	32
P. Your Students in All Courses (Before 2006)	1	24		25
Q. Your Students in All Courses(From & after 2006)	17	375	2	394
G. Masters FTE (ISI) - For reference only		49		49
International Tuition Rates				
N. All Students in Your Courses (Before 2006)	20,069	20,064		
O. All Students in Your Courses (From & after 2006)	20,640	20,700	20,697	
P. Your Students in All Courses (Before 2006)	20,064	20,115	20,064	
Q. Your Students in All Courses(From & after 2006)	20,697	20,115	20,697	



Funding Allocations & Transfers

- Funding Allocations and Transfers will be executed in the FundTxr Plan Type
- Users will have the ability to execute a Transfer Out or request a Transfer In



FundTxr - Dimensions

- The following dimensions will be included in the FundTxr Plan Type:
 - Account
 - Period (Same as ISPlan)
 - Fund (Same as ISPlan)
 - Line_Item
 - Department (Same as ISPlan)
 - Txr_Dept
 - Project Grant (Same as ISPlan)
 - Fiscal Year (Same as ISPlan)
 - Scenario (Same as ISPlan)
 - Version (Same as ISPlan)



FundTxr - Account

 The screen shot below shows a high level representation of the expected structure of the Account dimension in this Plan Type:

```
Account Accounts (Dynamic Calc)
FundTxr Accounts (+) (Dynamic Calc)
Txr_Description (~) (Alias: Transfer Description)
Txr_Type (~) (Alias: Transfer Type)
Txr_Amount (+) (Alias: Transfer Amount)
```



FundTxr - Txr_Dept

- The Txr_Dept dimension is a replica of the Department dimension, but each member will be prepended with an "X"
- The screen shot below shows a high level representation of the expected structure of the Txr_Dept dimension in this Plan Type:

```
Txr Dept (Alias: Transfer Department) (Never Share)

X PRESIDENT (~) (Dynamic Calc)

X GEN_REV_EXP (+) (Never Share)

X PRESIDENTS_OFFICE (+) (Never Share)

X UBCO_DEPUTY_VC (+) (Never Share)

X VP_ACADEMIC (+) (Never Share)

X VP_ADMIN_FIN (+) (Never Share)

X VP_DEV_ALUM (+) (Never Share)

X VP_EXTERNAL_AFFAIRS (+) (Never Share)

X VP_RESEARCH (+) (Never Share)

X VP_STUDENTS (+) (Never Share)
```



FundTxr - Line_Item

- The Line_Item dimension will be used to store the transactional details of transfers
- The screen shot below shows a high level representation of the expected structure of the Line_Item dimension in this Plan Type:



Q&A

