

## Addendum to MR2 Finance Analysis Document

### Purpose of Document

This document serves as an addendum to the MR2 Finance Analysis Document and identifies the financial reporting components that will be available for Finance go-live. The solutions presented in this document have been developed to address the "A" list reporting areas identified by the Finance Team in the *Summary of Finance Team MR2 Wish List in Priority Order* document.

In addition to the "A" list items, several other data structures will also be available for Finance go-live. Even though these data structures do not address "A" list needs, the MR2 team had designed solutions for these reporting areas before the prioritization of requirements occurred and believes these structures will add value to the reporting environment.

The items identified by the Finance Team as "B" list needs, with a requested delivery date of 03/31/02 to 09/30/02, or "C" list needs, with a requested delivery date of 09/30/02 or later, are not addressed in this document. As stated in the *In and Out of Scope Document*, given the current staffing levels, the MR2 team cannot commit to providing these reporting solutions during the requested "B" or "C" list timeframes. Some of these needs may be met by data structures being provided for "A" list items, but many of these needs, e.g. Vendor History, require a substantial development effort. Additionally, a Budget Prep reporting solution is included as a "B" list item. Although an interim budget prep solution will be available for Finance go-live, the development of an integrated budget prep solution is being coupled with our HR analysis and development work.

The solutions presented in this document have been discussed with the Finance Chairs and Workgroup members during a collaborative review of the Analysis Document. During these discussions and work sessions, informal agreement was reached on viable reporting solutions and specific data needs. It is important though that the Finance and MR2 teams have a concise understanding of each solution and acknowledge the elements that will be available for go-live.

### Next Steps

The Finance Team should review this document, work with the MR2 team to answer any questions or issues, and then accept these solutions as sufficient to meet "A" list needs. Since the remainder of the MR2 design and development work is contingent upon an acceptance of these solutions, it is critical that this review and acceptance take place by the middle of July.

### Reporting Areas

For each reporting area, this document lists the Banner data tables that have been leveraged for that content area and can be used in conjunction with that specific data. Unlike the original Analysis Document, it does not list tables that are not included for that content area, nor does it list Banner bugs or other outstanding issues.

It is important to note that the tables being utilized as source data for the various reporting areas have not been included in the reporting environment as they currently exist in the Banner production database. To provide better reporting capabilities and increased performance, many of the source tables have been transformed. Additional details are available in the Analysis Document, or the Operating Ledger and General Ledger Excel spreadsheets (previously sent to the Finance Chairs and Workgroup members).

**General Ledger** – to report on assets, liabilities, control accounts and fund balances. This reporting area is the source for balance sheet, trial balance, fund balance and statement of changes in fund balance reporting. Data from the following Banner tables will be leveraged and available for this reporting area:

FGBGENL – General Ledger Table – all fields from this table are included as well as other derived fields.  
 FTVFUND – Fund Validation Table – all fields are currently included but would like to eliminate unnecessary fields.  
 FTVACCT – Account Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
 FTVFTYP – Fund Type Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
 FTVATYP – Account Type Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
 Fund & Account Attributes

When working with the General Ledger reporting structure, the reporting environment will provide the most recent value for fund, account, fund type and account type dimensions.

For the account (FTVACCT) dimensions, the reporting environment will support both a hierarchical and non-hierarchical view of the data. Attributes assigned to account codes will also be available in a hierarchical and non-hierarchical context.

**Operating Ledger** – to report on expenditures, revenues, transfers, and budgets. This reporting area is the source for P&L, budget to actuals, departmental revenue and expenditure reports, as well as USNH budget reports such as the USNHFB51 report, etc. Data from the following Banner tables will be leveraged and available for this reporting area:

FGBOPAL – Operating Account Ledger – all fields from this table are included except for Accumulated Budget Amount and Grant Activity (obsolete field). Other derived fields have also been added, including fields that provide two years of relative history. **Revised 08/01/01** – The Temporary Budget field has been included in the reporting environment.  
 FTVFUND – Fund Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
 FTVORGN – Org Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
 FTVACCT – Account Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
 FTVPROG – Program Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
 FTVACTV – Activity Validation - all fields are currently included but would like to eliminate unnecessary fields.  
 FTVLOCN – Location Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
 FTVFTYP – Fund Type Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
 FTVATYP – Account Type Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
 FOAPAL Attributes

When working with the Operating Ledger reporting structure, the reporting environment will provide the most recent value for FOAPAL, fund type and account type dimensions.

For the (FTVORGN) organization and account (FTVACCT) dimensions, the reporting environment will support both a hierarchical and non-hierarchical view of the data. Attributes assigned to organization and account codes will also be available in a hierarchical and non-hierarchical context.

**Encumbrance Ledger** – to report on open commitments, e.g. open requisitions and purchase orders. Data from the following Banner tables will be leveraged and available for this reporting area:

FGBENCH – Encumbrance Ledger Header Table – all fields are currently included but would like to eliminate unnecessary fields. The Vendor Name and Vendor Code from SPRIDEN are also included.  
 FGBENCD – Encumbrance Distribution Table - all fields are currently included but would like to eliminate unnecessary fields.  
 FGBENCP - Encumbrance Period Detail Table – all fields are included.  
 FTVFUND – Fund Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
 FTVORGN – Org Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
 FTVACCT – Account Validation Table - all fields are currently included but would like to eliminate unnecessary fields.

FTVPROG – Program Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
 FTVACTV – Activity Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
 FTVLOCN – Location Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
 FTVFTYP – Fund Type Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
 FTVATYP – Account Type Validation Table - all fields are currently included but would like to eliminate unnecessary fields.

**FOAPAL Attributes**

When working with the Encumbrance Ledger reporting structure, the reporting environment will provide the most recent value for FOAPAL, fund type and account type dimensions.

The Vendor Name and Vendor Code will reflect the values that were in effect at the time the transaction was processed. There is an issue with vendor names and vendor codes; when certain documents are processed against a vendor that was created on the same day as the document transaction date, the vendor code and vendor name will not be displayed on an MR2 report. More information on this issue is available in the *Data Dimensionality and Vendor Info* document.

For the organization (FTVORGN) and account (FTVACCT) dimensions, the reporting environment will support both a hierarchical and non-hierarchical view of the data. Attributes assigned to organization and account codes will also be available in a hierarchical and non-hierarchical context.

**Transaction Level Detail** – to report on transaction level detail and the accounting consequences of specific documents. Data from the following Banner tables will be leveraged and available for this reporting area:

FGBTRNH Fields – Transaction History Table – the only fields from FGBTRNH currently included in reporting environment are:

Transaction Date	Transaction Description	Bank Code
Document Reference Number	Vendor PIDM	Vendor Code (SPRIDEN)
Vendor Name (SPRIDEN)		

FGBTRND Fields – Transaction History Detail Table – all fields from this table are currently being included in the reporting environment. In addition, the fields listed below have been added to supplement the Transaction History Detail Information:

Rule Class Description (FTVRUCL)	Document Type Code (FTVDTYP)	Document Type Desc (FTVDTYP)
Field Code Description	Fund Type Level 1 (FTVFTYP)	Fund Type Lvl 1 Desc (FTVFTYP)
Fund Type Level 2 (FTVFTYP)	Fund Type Lvl 2 Desc (FTVFTYP)	Account Type Level 1 (FTVATYP)
Account Type Lvl 1 Desc (FTVATYP)	Account Type Level 2 (FTVATYP)	Account Type Lvl 2 Desc (FTVATYP)

Non-Hierarchical FOAPAL Attributes can also be used in conjunction with transaction level detail reporting. Attributes have been provided in conjunction with transaction level detail to test performance. Depending on the results of such testing, they may or may not be available, to be used with transaction level detail, in the reporting environment.

The Vendor Name and Vendor Code will reflect the values that were in effect at the time the transaction was processed. The issue referred to in the Encumbrance Ledger section regarding the vendor creation date and the document date also applies to transaction level detail reporting.

**Requisition Documents** – to report on supplemental requisition information that is not available through the ledgers. Data from the following Banner tables will be leveraged and available for this reporting area:

FPBREQH – Requisition Header Table - all fields are currently included but would like to eliminate unnecessary fields. In addition, the fields listed below supplement the Requisition Header information:

Vendor Name (SPRIDEN)	Vendor Code (SPRIDEN)	Document Text (FOBTEXT)
Ship To Code Description (FTVSHIP)	Cancel Code Desc (FTVCRSN)	Discount Code Desc (FTVDISC)

FPREQD – Requisition Commodity Table - all fields are currently included but would like to eliminate unnecessary fields. In addition, the fields listed below supplement the Requisition Commodity information:

UOMS Desc Code (FTVUOMS)	Buyer Name (FTVBUYR)	Item Text (FOBTEXT)
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FPREQA – Request Accounting Table - all fields are currently included but would like to eliminate unnecessary fields. In addition, the fields listed below supplement the Requisition Accounting information:

Fund Title (FTVFUND)	Fund Manager (SPRIDEN)	Organization Title (FTVORGN)
Organization Manager (SPRIDEN)	Account Title (FTVACCT)	Program Title (FTVPROG)
Activity Title (FTVACTV)	Location Title (FTVLOCN)	

The Vendor Name and Vendor Code are pulling the values in effect at the time the document was processed. Other dimensionality such as Buyer Name, Fund Title, Fund Manager, Organization Title, Organization Manager, Account Title, Program Title, Activity Title and Location Title are pulling the most recent values.

**Purchase Order Documents** – to report on supplemental purchase order information that is not available through the ledgers, for example, to research all change orders associated with a specific purchase order. Data from the following Banner tables will be leveraged and available for this reporting area:

FPBPOHD – Purchase Order Header Table - all fields are currently included but would like to eliminate unnecessary fields. In addition, the fields listed below supplement the Purchase Order Header information:

Vendor Name (SPRIDEN)	Vendor Code (SPRIDEN)	Carrier Code (SPRIDEN)
Carrier Name (SPRIDEN)	Document Text (FOBTEXT)	Ship To Code Desc (FTVSHIP)
Cancel Reason Desc (FTVCRSN)	Discount Code Desc (FTVDISC)	Buyer Name (FTVBUYR)
FOB Code Desc (FTVFOBS)	PO Class Code Desc (FTVPCLS)	

FPPODT – Purchase Order Commodity Table - all fields are currently included but would like to eliminate unnecessary fields. In addition, the fields listed below supplement the Purchase Order Commodity information:

UOMS Desc (FTVUOMS)	Item Text (FOBTEXT)
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FPPODA – Purchase Order Accounting Information - all fields are currently included but would like to eliminate unnecessary fields. In addition, the fields listed below supplement the Purchase Order Accounting information:

Fund Title (FTVFUND)	Fund Manager (SPRIDEN)	Organization Title (FTVORGN)
Organization Manager (SPRIDEN)	Account Title (FTVACCT)	Program Title (FTVPROG)
Activity Title (FTVACTV)	Location Title (FTVLOCN)	

The Vendor Name and Vendor Code are pulling the values in effect at the time the document was processed. The issue referred to in the Encumbrance Ledger section regarding the vendor creation date and the document date also applies to purchase orders.

Other dimensionality such as Buyer Name, Fund Title, Fund Manager, Organization Title, Organization Manager, Account Title, Program Title, Activity Title and Location Title are pulling the most recent values.

**Invoice Information** – to provide open invoice reports. Data from the following Banner tables will be leveraged and available for this reporting area:

FABINVH – Invoice Header Table - all fields are currently included but would like to eliminate unnecessary fields. In addition, the fields listed below supplement the Invoice Header information:

Vendor Name (SPRIDEN)	Vendor Code (SPRIDEN)	Check Vendor Code (SPRIDEN)
Check Vendor Name (SPRIDEN)	Document Text (FOBTEXT)	Discount Code Desc (FTVDISC)
Bank Account Name (GXVBANK)		

FARINVC – Invoice Commodity Information - all fields are currently included but would like to eliminate unnecessary fields. In addition, the following field has been added to supplement the Invoice Commodity information:

UOMS Code Description (FTVUOMS)

FARINVA – Invoice Accounting Table - all fields are currently included but would like to eliminate unnecessary fields. In addition, the following fields supplement the Invoice Accounting information:

Fund Title (FTVFUND)	Fund Manager (SPRIDEN)	Organization Title (FTVORGN)
Organization Manager (SPRIDEN)	Account Title (FTVACCT)	Program Title (FTVPROG)
Activity Title (FTVACTV)	Location Title (FTVLOCN)	

The Vendor Name, Vendor Code, Check Vendor Name and Check Vendor Code are pulling the values in effect at the time the document was processed. The issue referred to in the Encumbrance Ledger section regarding the vendor creation date and the document date also applies to invoices.

Other dimensionality such as Buyer Name, Fund Title, Fund Manager, Organization Title, Organization Manager, Account Title, Program Title, Activity Title and Location Title are pulling the most recent values.

**A/P Checks** – to report on A/P Check information. Data from the following Banner tables will be leveraged and available for this reporting area:

FABCHKS – Check Summary Table – all fields from this table are currently included. In addition, the field listed below will supplement the Check Summary information:

Bank Account Name (GXVBANK)

FABINCK – Invoice/Check Table – all fields from this table are currently included. In addition, the following fields supplement the Invoice/Check information:

Vendor PIDM (FABINVH)	Vendor Code (SPRIDEN)	Vendor Name (SPRIDEN)
Check Vendor PIDM (FABINVH)	Check Vendor Code (SPRIDEN)	Check Vendor Name (SPRIDEN)
Address Type Code (FABINVH)	Address Type Seq Num (FABINVH)	One Time Vendor Name (FABINVH)

FABCHKA – Batch Check/Invoice Detail Block Table – all fields from this table are currently included. No additional fields have been identified.

FAB1099 – 1099 Tax Detail Table – all fields from this table are currently included. In addition, the following fields supplement the 1099 Tax Detail Information: Vendor Code (SPRIDEN) and Vendor Name (SPRIDEN).

The Vendor Name, Vendor Code, Check Vendor Name and Check Vendor Code are based on the date that the check was processed (i.e. check date). The issue referred to in the Encumbrance Ledger section regarding the vendor creation date and the document date also applies to A/P checks.

**General Grant Information** – to report on general grant information. Data from the following Banner tables will be leveraged and available for this reporting area:

FRBGRNT – Grant Header Table - all fields from this table are currently included. In addition, the following fields supplement the Grant Header information: Principle Investigator Name (SPRIDEN), Agency Name (SPRIDEN) and Grant Text (FOBTEXT).

FRVFUND – Research Accounting Fund Repeating Table - all fields from this table are currently included.

FTVFUND – Fund Validation Table - all fields from this table are currently included.

FTVAGCY – Agency Validation Table - all fields from this table are currently included. In addition, the following fields supplement the Agency Validation information: Agency Name (SPRIDEN) and Agency ID (SPRIDEN).

FRRGRPI – Grant Personnel Repeating Table - all fields from this table are currently included. In addition, the following fields supplement the Grant Personnel information: Personnel Full Name (SPRIDEN) and SPRIDEN ID (SPRIDEN).

FRRGUSN – Grant User Defined Fields - all fields from this table are currently included. In addition, the following fields supplement the Grant User Defined Field information: User Defined Field Title (FRVSDAT) and User Defined Field Short Title (FRVSDAT).

FRRGLOC – Grant Location Repeating Table - all fields from this table are currently included. In addition, the Location Description (FTVLOCN) is also available.

FRVGRST – Grant Status History Table - all fields from this table are currently included.

FRBGBILL – Grants Billing Table - all fields from this table are currently included. In addition, the Billing Exclusion Description (FRVBECL) is included as well.  
Fund Attributes

**Grant Ledger** – to report on inception-to-date operating activity such as revenues, expenditures, budgets, etc. Data from the following Banner tables will be leveraged and available for this reporting area:

FRRGRNL – Grant Ledger Table – The grant ledger table is being utilized to provide inception to date amounts for original budget, modified budget, reservations, encumbrances, activity (revenues and expenditures).

FRBGRNT – Grant Header Table - all fields from this table are currently included.

FTVFUND – Fund Validation Table - all fields are currently included but would like to eliminate unnecessary fields.

FTVORGN – Org Validation Table - all fields are currently included but would like to eliminate unnecessary fields.

FTVACCT – Account Validation Table - all fields are currently included but would like to eliminate unnecessary fields.

FTVPROG – Program Validation Table - all fields are currently included but would like to eliminate unnecessary fields.

FTVACTV – Activity Validation - all fields are currently included but would like to eliminate unnecessary fields.

FTVLOCN – Location Validation Table - all fields are currently included but would like to eliminate unnecessary fields.

FTVFTYP – Fund Type Validation Table - all fields are currently included but would like to eliminate unnecessary fields.

FTVATYP – Account Type Validation Table - all fields are currently included but would like to eliminate unnecessary fields.

FOAPAL Attributes

When working with the Grant Ledger reporting structure, the reporting environment will provide the most recent value for FOAPAL, fund type and account type dimensions.

For the organization (FTVORGN) and account (FTVACCT) dimensions, the reporting environment will support both a hierarchical and non-hierarchical view of the data. Attributes assigned to organization and account codes will also be available in a hierarchical and non-hierarchical context.

**Grant Billing** – to report on billable expenditures, amounts billed, etc. Data from the following Banner tables will be leveraged and available for this reporting area:

FRRBDET – Research Accounting Billing Table - all fields are currently included.  
TRRACCD – Research Accounting Account Detail Table - all fields are currently included.  
FRBGRNT – Grant Header Table - all fields from this table are currently included.  
FTVFUND – Fund Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
FTVORGN – Org Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
FTVACCT – Account Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
FTVPROG – Program Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
FTVACTV – Activity Validation - all fields are currently included but would like to eliminate unnecessary fields.  
FTVLOCN – Location Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
FTVFTYP – Fund Type Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
FTVATYP – Account Type Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
FOAPAL Attributes

When working with the Grant Billing reporting structure, the reporting environment will provide the most recent value for FOAPAL dimensions.

For the organization (FTVORGN) and account (FTVACCT) dimensions, the reporting environment will support both a hierarchical and non-hierarchical view of the data. Attributes assigned to organization and account codes will also be available in a hierarchical and non-hierarchical context.

**Grant Events** – to report on events assigned to grants. Data from the following Banner tables will be leveraged and available for this reporting area:

FRBEVNG - Grant Events Code Base Table - all fields are currently included. In addition, the Event Description (FTVEVNT) and Event Type Code (FTVEVNT) and Event Type Description (FTVEVNT) are also available.  
FRREVNG - Sponsored Research Grant Events Status Repeating Table - all fields are currently included.  
FRBGRNT - Grant Header Table - all fields from this table are currently included.

**Grant Validation Reporting** – to provide basic validation reporting on elements related to a grant/inception -to-date account. This area will support reporting on basic grant related tables and includes Banner's FRRBASI, FRRINDD, FRRINDA, FHRINDR and FRRINDR tables.

**Unposted Documents** – to report on documents that have not been posted but impact budget availability. Data from Banner's FGRBAKO table, as well as Document Type Code and Description from FTVDTYP will be available for this type of reporting. No other tables or fields are being provided in conjunction with FGRBAKO.

**Interim Budget Prep Solution** – to provide basic reporting on the budget prep process. Data from Banner's FBBBLIN table will be available for this type of reporting.

**Revised 8/1/01** - In addition to FBBBLIN, the same dimensionality as provided for the Operating Ledger will be available. This includes:

FTVFUND – Fund Validation Table - all fields are currently included but would like to eliminate unnecessary fields.

FTVORGN – Org Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
FTVACCT – Account Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
FTVPROG – Program Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
FTVACTV – Activity Validation - all fields are currently included but would like to eliminate unnecessary fields.  
FTVLOCN – Location Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
FTVFTYP – Fund Type Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
FTVATYP – Account Type Validation Table - all fields are currently included but would like to eliminate unnecessary fields.  
FOAPAL Attributes

When working with FBBBLIN, the reporting environment will provide the most recent value for FOAPAL, fund type and account type dimensions.

For the (FTVORGN) organization and account (FTVACCT) dimensions, the reporting environment will support both a hierarchical and non-hierarchical view of the data. Attributes assigned to organization and account codes will also be available in a hierarchical and non-hierarchical context.

**FOAPAL Validation** – to provide basic validation reporting on the FOAPAL elements. An area to support validation reporting is included in the reporting environment and includes Banner's FTVFUND, FTVORGN, FTVACCT, FTVPROG, FVACTV and FTVLOCN tables. These tables are being included in their entirety (all records and all fields) and are not linked to one another or to any other reporting areas in the reporting environment.

**Revised 08/01/01** – Fund Text from the FOBTEXT table is being included to be used in conjunction with the FTVFUND table, within the validation reporting area.

**Revised 08/01/01** – The FNVENDW table is being added to the validation reporting area; all records and fields from the table will be included. This table will not be linked to any other tables in the reporting environment.

**Vendor Validation** – to provide basic validation reporting on elements related to a vendor. This area will support reporting on basic vendor related tables and includes Banner's FTVVEND, FT VVTYP, FTVVENT, SPRIDEN and SPRADDR tables. These tables are being included in their entirety (all records and all fields) and are not linked to any other reporting areas in the reporting environment.