

National Oceanic and Atmospheric Administration (NOAA)

*Reimbursable Unmatched Costs Report (RA504D)
Specifications*

March 20, 2006

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1. Reimbursable Unmatched Costs Report (RA504D)

The purpose of this report is to list total unmatched costs summarized by project, charging organization, and FCFY, and assist the user in identifying the reason they are unmatched.

One of two reasons will be displayed for a given project. The first reason, “No Order”, indicates that no active RADG003 Unfilled Customer Order (UCO) transaction exists referencing this project code for the corresponding FCFY.

The second reason, “Exceeded Order Balance”, indicates that an active RADG003 UCO transaction exists referencing this project code for the corresponding FCFY, but the costs exceeded the remaining order balance. If the reason for unmatched costs is “Exceeded Order Balance”, the report will also display any Agreement or TWA numbers, RADG002 Control Numbers, and RADG003 Control Numbers associated with the project code and FCFY displayed.

1.1 Selection Parameters

Users would request the RA504D report using the following parameters:

Parameter	Default	List of Values
Bureau Code	BUREAU_CODE based on user's database account.	BUREAU_CODE and NAME from BUREAU table where ACTIVE_STATUS = “Y”.
Fund Code	ALL	FUND_CODE and FUND_TITLE from FUND table where the FUND_TYPE is like ‘REIMB%’ but not equal to ‘REIMBB’. For Bureau 13 – Funds 4, 5, 14, 15, 24, 34 For Bureau 14 – Funds 5, 6, 7
Program1 Code	ALL	PROGRAM1_CODE and PROGRAM1_DESCR from PROGRAM1 table with a matching BUREAU_CODE and FUND_CODE. If FUND_CODE is specified as ALL, this list will contain all distinct PROGRAM1_CODEs with a matching BUREAU_CODE but will not display a PROGRAM1_DESCR.
Program2 Code	ALL	PROGRAM2_CODE and PROGRAM2_DESCR from PROGRAM2 table with a matching BUREAU_CODE and FUND_CODE and higher level Program Code values. If FUND_CODE is specified as ALL, this list will contain all distinct PROGRAM2_CODEs with a matching BUREAU_CODE and higher level Program Code but will not display a PROGRAM2_DESCR.

Parameter	Default	List of Values
Program3 Code	ALL	<p>PROGRAM3_CODE and PROGRAM3_DESCR from PROGRAM3 table with a matching BUREAU_CODE and FUND_CODE and higher level Program Code values.</p> <p>If FUND_CODE is specified as ALL, this list will contain all distinct PROGRAM3_CODEs with a matching BUREAU_CODE and higher level Program Code but will not display a PROGRAM3_DESCR.</p>
Program4 Code	ALL	<p>PROGRAM4_CODE and PROGRAM4_DESCR from PROGRAM4 table with a matching BUREAU_CODE and FUND_CODE and higher level Program Code values.</p> <p>If FUND_CODE is specified as ALL, this list will contain all distinct PROGRAM4_CODEs with a matching BUREAU_CODE and higher level Program Code but will not display a PROGRAM4_DESCR.</p>
Project Code	ALL	<p>PROJECT_CODE from PROJECT table where BUREAU_CODE, FUND_CODE, and Program Codes match parameters entered.</p> <p>User should be able to enter the Project Code or select from the List of Values.</p> <p>User should also be able to specify wild cards.</p>
Charging Org1 Code	ALL	<p>Selecting by Charging Organization may not bring back all unmatched costs for a project.</p> <p>ORG1_CODE and ORG1_DESCR from ORG1 table with a matching BUREAU_CODE.</p>
Charging Org2 Code	ALL	<p>Selecting by Charging Organization may not bring back all unmatched costs for a project.</p> <p>ORG2_CODE and ORG2_DESCR from ORG2 table with a matching BUREAU_CODE and higher level Org Code values.</p> <p>If the Charging Org1 Code parameter is specified as ALL, then this field must also be ALL.</p>
Charging Org3 Code	ALL	<p>Selecting by Charging Organization may not bring back all unmatched costs for a project.</p> <p>ORG3_CODE and ORG3_DESCR from ORG3 table with a matching BUREAU_CODE and higher level Org Code values.</p> <p>If the Charging Org2 Code parameter is specified as ALL, then this field must also be ALL.</p>

Parameter	Default	List of Values
Charging Org4 Code	ALL	<p>Selecting by Charging Organization may not bring back all unmatched costs for a project.</p> <p>ORG4_CODE and ORG4_DESCR from ORG4 table with a matching BUREAU_CODE and higher level Org Code values.</p> <p>If the Charging Org3 Code parameter is specified as ALL, then this field must also be ALL.</p>
Charging Org5 Code	ALL	<p>Selecting by Charging Organization may not bring back all unmatched costs for a project.</p> <p>ORG5_CODE and ORG5_DESCR from ORG5 table with a matching BUREAU_CODE and higher level Org Code values.</p> <p>If the Charging Org4 Code parameter is specified as ALL, then this field must also be ALL.</p>

1.2 Selection Criteria

This report will only reflect the most recent, successful WIP run for the Fund Code specified in the selection parameter.

- ***Determine the most recent, successful WIP run –***

Select the WIP_PROCESS_ID and WIP_PROCESS_TIME from RA_WIP_PROCESS table with the following criteria:

- PROCESSED_FLAG = 'Y' and
- BUREAU_CODE matches parameter and
- FUND_CODE parameter is between the FUND_CODE_FROM and FUND_CODE_TO values and
- Having the greatest WIP_PROCESS_TIME.

- ***Determine the valid Unmatched Costs records –***

Select records from the RA_WIP_PROCESS_COST table with the following criteria:

- PROCESSED_FLAG in ("P", "E") and
- WIP_PROCESS_EXTRACTED_ID equal to the latest WIP_PROCESS_ID and
- NVL(BAL_AMOUNT, 0) not equal to 0 and
- Other fields match the parameters specified.

For each valid Unmatched Costs record:

- ***Determine the reason of unmatched –***

“No Order” – No entry found in RA_WIP_PROCESS_ORDER table where BUREAU_CODE, FUND_CODE, PROJECT_CODE, TASK_CODE, ORG1_CODE, ORG2_CODE, ORG3_CODE, and FUND_CODE_FISCAL_YEAR match.

“Exceeded Order Balance” – Entry found in RA_WIP_PROCESS_ORDER where BUREAU_CODE, FUND_CODE, PROJECT_CODE, TASK_CODE, ORG1_CODE, ORG2_CODE, ORG3_CODE, and FUND_CODE_FISCAL_YEAR match.

- **Determine the RADG002 CTRL No for the records with a reason of “Exceeded Order Balance”** –

Select RA_DOCUMENT_NO from RA_WIP_PROCESS_ORDER table where BUREAU_CODE, FUND_CODE, PROJECT_CODE, TASK_CODE, ORG1_CODE, ORG2_CODE, ORG3_CODE, and FUND_CODE_FISCAL_YEAR match.

- **Determine the RADG003 CTRL No for the records with a reason of “Exceeded Order Balance”** –

Select ORDER_DOCUMENT_NO from RA_WIP_PROCESS_ORDER table where BUREAU_CODE, FUND_CODE, PROJECT_CODE, TASK_CODE, ORG1_CODE, ORG2_CODE, ORG3_CODE, and FUND_CODE_FISCAL_YEAR match.

- **Determine the Agreement/TWA No for the records with a reason of “Exceeded Order Balance”** –

Select RA_AGREEMENT_NO from RA_ORDER_CONTROL table where DOCUMENT_NO match with the ORDER_DOCUMENT_NO from RA_WIP_PROCESS_ORDER table where BUREAU_CODE, FUND_CODE, PROJECT_CODE, TASK_CODE, ORG1_CODE, ORG2_CODE, ORG3_CODE, and FUND_CODE_FISCAL_YEAR match.

1.3 Report Field Attributes

The following table provides an overview of the data elements to be included on this report. The Description and Source column will be populated once the requirements for the report have been finalized.

Table/Report Field Name	Description	Source
WIP Run Date	The latest date that the WIP process was run for the Bureau and Fund Code specified.	Reflects status as of WIP run date for that GL period. WIP is only run once a month. MAX(WIP_PROCESS_TIME) FROM RA_WIP_PROCESS WHERE PROCESSED_FLAG = 'Y' and BUREAU_CODE matches parameter, and FUND_CODE between the FUND_CODE_FROM and FUND_CODE_TO.

Table/Report Field Name	Description	Source
Fund Code	The Fund Code associated with the transactions processed by the WIP process.	FUND_CODE from RA_WIP_PROCESS_COST table.
Program Code	The four levels of the Program Code associated with the transactions processed by the WIP process.	TO_CHAR(PROGRAM1_CODE,'FM09') '-' TO_CHAR(PROGRAM2_CODE,'FM09') '-' TO_CHAR(PROGRAM3_CODE,'FM09') '-' TO_CHAR(PROGRAM4_CODE,'FM09') from PROJECT table where BUREAU_CODE and PROJECT_CODE match.
Project Code	The Project Code associated with the transactions processed by the WIP process.	PROJECT_CODE from RA_WIP_PROCESS_COST table.
Task Code	The Task Code associated with the transactions processed by the WIP process.	TASK_CODE from RA_WIP_PROCESS_COST table.
Charging Organization	All seven levels of the Organization Code associated with the transactions processed by the WIP process.	ORG1_CODE '-' ORG2_CODE '-' ORG3_CODE '-' TO_CHAR(ORG4_CODE,'FM09') '-' TO_CHAR(ORG5_CODE,'FM09') '-' TO_CHAR(ORG6_CODE,'FM09') '-' TO_CHAR(ORG7_CODE,'FM09') from RA_WIP_PROCESS_COST table.
FCFY	The Fund Code Fiscal Year associated with the transactions processed by the WIP process.	FUND_CODE_FISCAL_YEAR from RA_WIP_PROCESS_COST.
Unmatched Cost	The summarized amount of the transactions processed by the WIP process that could not be associated with a Reimbursable Agreement for the reason noted. The amount is summarized at the Task Code, Charging Organization, FCFY level.	NVL(BAL_AMOUNT, 0) from RA_WIP_PROCESS_COST
Reason	The reason why the costs could not be associated with a Reimbursable Agreement. Valid values are: No Order – Indicates that an order could not be found with a matching the Bureau, Fund, Project, Task, Org (to level 3), and FCFY. Exceeded Order Balance – Indicates that a matching order could be found, but that the charges exceeded the remaining order balance.	“No Order” – no entry found in RA_WIP_PROCESS_ORDER where BUREAU_CODE, FUND_CODE, PROJECT_CODE, TASK_CODE, ORG1_CODE, ORG2_CODE, ORG3_CODE, and FUND_CODE_FISCAL_YEAR match. “Exceeded Order Balance” – entry found in RA_WIP_PROCESS_ORDER where BUREAU_CODE, FUND_CODE, PROJECT_CODE, TASK_CODE, ORG1_CODE, ORG2_CODE, ORG3_CODE, and FUND_CODE_FISCAL_YEAR match.

Table/Report Field Name	Description	Source
Agreement/TWA No.	The Reimbursable Agreement number or Temporary Work Agreement Number (if an Agreement Number is not available) for those transactions rejected because of an exceeded order balance.	RA_AGREEMENT_NO from RA_ORDER_CONTROL where DOCUMENT_NO match with the ORDER_DOCUMENT_NO from RA_WIP_PROCESS_ORDER table.
RADG002 Ctrl No.	The control number associated with the Reimbursable Agreement for those transactions rejected because of an exceeded order balance.	RA_DOCUMENT_NO from RA_WIP_PROCESS_ORDER table.
RADG003 Ctrl No.	The control number associated with the matching orders for the Reimbursable Agreement for those transactions rejected because of an exceeded order balance.	ORDER_DOCUMENT_NO from RA_WIP_PROCESS_ORDER table.

1.4 Sort Order, Breaks, and Totals

The table below reflects the order in which the report will be sorted in ascending sequence unless other wise noted. The Break column reflects the type of break that will occur based on a change in the field name. For example, whenever the Bureau Code changes, a page break will occur. The Total column reflects if a total/subtotal will be provided whenever the value for that field changes.

Field Name in Sort Order Sequence	Break	Total
Bureau Code	Page	Yes
Fund Code	Page	Yes
Program Code (at any of the 4 Program levels)	Page	Yes
Project Code	Page	Yes
Task Code		
Charging Organization		
FCFY	Subtotal	Yes

CREATION RUN DATE: mm/dd/yyyy
REPORT_ID: RA504D
INSTANCE: DBINST.WORLD

COMMERCE BUSINESS SYSTEM
BUREAU NAME
REIMBURSABLE UNMATCHED COSTS REPORT

USER ID: OPS\$FIRLAS99
PAGE: 999999
AS OF: mm/dd/yyyy

BUREAU CODE: 99 - BUREAU NAME XXXXXXXX2XXXXXXXXX3XXXXXXXXX4
FUND CODE: 9999 - FUND TITLE XXXXXXXX2XXXXXXXXX3XXXXXXXXX4
PROGRAM1 CODE: 99 - PROGRAM1 DESCRIPTION XXXXXXXX3XXXXXXXXX4
PROGRAM2 CODE: 99 - PROGRAM2 DESCRIPTION XXXXXXXX3XXXXXXXXX4
PROGRAM3 CODE: 99 - PROGRAM3 DESCRIPTION XXXXXXXX3XXXXXXXXX4
PROGRAM4 CODE: 999 - PROGRAM4 DESCRIPTION XXXXXXXX3XXXXXXXXX4
PROJECT CODE: XXXXXX - PROJECT DESCRIPTION XXXXXXXX3XXXXXXXXX4
CHARGING ORG1 CODE: XX - ORG1 DESCRIPTION XX2XXXXXXXXX3XXXXXXXXX4
CHARGING ORG2 CODE: XX - ORG2 DESCRIPTION XX2XXXXXXXXX3XXXXXXXXX4
CHARGING ORG3 CODE: XXXX - ORG3 DESCRIPTION XX2XXXXXXXXX3XXXXXXXXX4
CHARGING ORG4 CODE: 99 - ORG4 DESCRIPTION XX2XXXXXXXXX3XXXXXXXXX4
CHARGING ORG5 CODE: 99 - ORG5 DESCRIPTION XX2XXXXXXXXX3XXXXXXXXX4

Version Data and/or Optional Report Message Data

Selecting by Charging Organization may not bring back all unmatched costs for a project.
Report reflects data from the most current WIP run date for the fund.

NDW Refresh Status - SUCCESSFUL - START: mm/dd/yyyy hh:mi:ss - END: mm/dd/yyyy hh:mi:ss

CREATION RUN DATE: mm/dd/yyyy
 REPORT_ID: RA504D
 INSTANCE: DBINST.WORLD

COMMERCE BUSINESS SYSTEM
 BUREAU NAME
 REIMBURSABLE UNMATCHED COSTS REPORT

USER ID: OPS\$FIRLAS99
 PAGE: 999999
 AS OF: mm/dd/yyyy

WIP RUN DATE: DD-MON-YYYY

FUND: 9999 - TITLE-XXX1XXXXXXXXXX2XXXXXXXXXX3XXXXXXXXXX4
 PROGRAM: 99-99-99-999 - DESCRIPTION-XXXXXXXX2XXXXXXXXXX3XXXXXXXXXX4

PROJECT CODE	TASK CODE	CHARGING ORGANIZATION	FCFY	UNMATCHED COST	REASON	AGREEMENT/TWA NO.	RADG002 CTRL NO	RADG003 CTRL NO
XXXXXXX	XXX	XX-XX-XXXX-99-99-99-99	9999	\$99,999,999.99	NO ORDER			
	XXX	XX-XX-XXXX-99-99-99-99	9999	\$99,999,999.99	NO ORDER			
	XXX	XX-XX-XXXX-99-99-99-99	9999	\$99,999,999.99	NO ORDER			
FCFY Total:				\$99,999,999.99				
XXXXXXX	XXX	XX-XX-XXXX-99-99-99-99	9999	\$99,999,999.99	EXCEEDED ORDER BALANCE	XXXXXXXXXX1XXXXXXXXXX2XXXXXXXXXX3	99999999	99999999
	XXX	XX-XX-XXXX-99-99-99-99	9999	\$99,999,999.99	EXCEEDED ORDER BALANCE	XXXXXXXXXX1XXXXXXXXXX2XXXXXXXXXX3	99999999	99999999
	XXX	XX-XX-XXXX-99-99-99-99	9999	\$99,999,999.99	EXCEEDED ORDER BALANCE	XXXXXXXXXX1XXXXXXXXXX2XXXXXXXXXX3	99999999	99999999
FCFY TOTAL:				\$99,999,999.99				
PROJECT TOTAL:				\$99,999,999.99				
PROGRAM4 TOTAL:				\$99,999,999.99				
PROGRAM3 TOTAL:				\$99,999,999.99				
PROGRAM2 TOTAL:				\$99,999,999.99				
PROGRAM1 TOTAL:				\$99,999,999.99				
FUND TOTAL:				\$99,999,999.99				
REPORT TOTAL:				\$99,999,999.99				

2. Navigator Report Header and Cover Page Definitions

The data warehouse follows a standard convention for report headers and cover pages. The table below describes each of the fields and how they are populated.

Table/Report Field Name	Description	Source
Header Data		
Creation Run Date	The date on which the report was run.	System Date
Commerce Business System	Name of system from which reports are generated.	VALUE from NDW_DEFAULTS table where ITEM_NAME = 'SYSTEM_NAME'.
User ID	Oracle User ID of the user who requested the report.	Oracle User Account
Report ID	A unique identifier for the report.	Report IDs are hard coded in the report code.
Bureau Name	The name of the bureau.	BUREAU BUREAU_NAME where B.BUREAU_CODE = bureau code selected on parameter screen.
Page	The number of the report page.	Sequential number generated through the report.
Instance	The SID of the database instance against which the report is run.	Determined from the database instance.
Report Title	The title of the report.	Report Titles are hard coded in the report code.
As Of	The date as of when the data was refreshed (last snapshot) in the data warehouse.	SNAPSHOT_AS_OF_DATE from the NDW_REFRESH_STATUS table where the REFRESH_STATUS_TYPE = 'CURRENT'.
WIP RUN DATE	The date of the most current WIP process run.	MAX(WIP_PROCESS_TIME) from RA_WIP_PROCESS where PROCESSED_FLAG = 'Y' and the Fund Code parameter is between the FUND_CODE_FROM and FUND_CODE_TO values.
Cover Page		
<i>Parameter Data</i>	This is a series of fields that is tailored for each report to reflect the parameters available and the values selected for producing this report.	Report dependant.

Table/Report Field Name	Description	Source
<i>Report Notes and Version Data</i>	The data warehouse provides the capability for notes to be stored and presented on the cover sheet. Multiple note lines (2000 bytes) can be specified for each report and will be presented in NOTE_LINE_NO sequence.	NOTE from NDW_REPORT_NOTES table where REPORT_ID = report identifier of the report being generated.
NDW Refresh Status Line	<p>A standard line that reflects the status of the data in the data warehouse at the time the report was generated. The format of this line is:</p> <p>NDW REFRESH STATUS – <i>status</i> – START: <i>MM/DD/YYYY</i> <i>HH:MI:SS</i> – END: <i>MM/DD/YYYY</i> <i>HH:MI:SS</i></p> <p>If the status reflects anything other than SUCCESSFUL, the data within the report may be suspect and the report should be regenerated.</p>	NDW_REFRESH_TERMINATION_STATUS, NDW_REFRESH_START_TIME, and NDW_REFRESH_END_TIME from NDW_REFRESH_STATUS where the REFRESH_STATUS_TYPE = 'CURRENT'.

3. Data Warehouse Structure Support

- Snapshots of CBS Source Table:
 - RA_WIP_PROCESS
 - RA_WIP_PROCESS_COST
 - RA_WIP_PROCESS_ORDER