



Change History Log:

March 27, 2002

In Response Reply to: 02EDU0332

Department of Education
Federal Student Aid
Carol Seifert
Contracts Office Technical Representative

Subject: Contract # ED-99-DO-0002
Task Order # 68 FP Data Mart Releases 2 and 3
Deliverable 68.1.2 FP Data Mart Design – Release 2

Dear Ms. Seifert:

Enclosed is the revised FP Data Mart Design – Release 2 that is required by the subject task order. Attached are suggested changes from the reviewers. Future revisions are not planned, but the document will be updated as appropriate.

ACCENTURE, LLP

cc:
Janet Scott



Deliverable 68.1.2: FP Data Mart Design – Release 2					
Suggested Changes/Comments	Page	Author	Date	Change Made Y/N	Comment
Design – Release 2 References to “SFA” should be changed to “FSA”.	All	BSC Systems	3/15/02	Y	“SFA” has been changed to “FSA.”
Design – Release 2 Para 2: “External financial partners (external users)” refers to access by entities other than GAs. These should be deleted from the Release 2 design to avoid confusion unless the intent of this release has changed to allow these entities to have access. It is our understanding that only GAs will be given access in this release.	6	BSC Systems	3/15/02	Y	Section 1.5 identifies the groups that will have access to the data mart. There will be a group for all external users. For Release 2, the only external users will be the Guaranty Agencies. A sentence was added to the paragraph to further indicate that only GAs would have access as a result of Release 2.
Design – Release 2 Para 2: states that the Requirements (Appendix A) contain the cleansing requirements. This may cause confusion since the only data cleansing to be done in this release is actually described in the Design itself on page 15 in section “Data Quality Assurance”, bullet 3.	9	BSC Systems	3/15/02	Y	The reference to ‘cleansing requirements’ was removed from the identified paragraph.
Design – Release 2 Table 2: This approach is well planned, but will failure by power users to develop any of these reports by the scheduled date have any adverse impact? If so, a mitigation strategy should be developed.	10	BSC Systems	3/15/02	N	Failure to complete the reports assigned to Power Users should not have an adverse impact. A possible mitigation strategy could be to assign the reports to the application maintenance team to complete and to assign a high priority to those reports.
Design – Release 2 Section 3.2: Appendix E is listed as the appendix containing standard abbreviations. In the copy we reviewed, this is actually Appendix D.	11	BSC Systems	3/15/02	Y	The reference was changed to Appendix D.
Design – Release 2 Section 4.2, para 2: Last sentence mentions that a process will be developed to routinely identify “unknown” descriptions that need to be updated. Is this a normal Informatica process or should it be	13	BSC Systems	3/15/02	Y	This has been added as a Data Integrity requirement in Section 8 of the requirements (Appendix A).



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tracked as a requirement to be met for Release 2?					
Design – Release 2 Section 4.4, first bullet: word “guaranty” should be spelled “guarantee” in this context.	15	BSC Systems	3/15/02	Y	The spelling of ‘guarantee’ was corrected.
Design – Release 2 Section 5 – Security Design, sub-section 5.1: Begins with the phrase “When a request for access is approved...” Security should include a description of the approval process or reference to the location where the process is described.	16	BSC Systems	3/15/02	N	A process exists for requesting access to the data mart. This process is maintained by the application maintenance team.
Appendix A – Requirements General Question Should prompts that are reporting fields be listed as attributes? Ex: For GA Monthly Summary Report, Prompts are Fiscal Year and, optionally, Fiscal Month(s) and State(s). The only attribute listed is Guaranty Agency. If the prompt fields appear on the report as part of the report organization and they are stored data as elements rather than derived fields, it seems they should be listed as attributes.	A	BSC Systems	3/15/02	N	All prompts are considered attributes. The prompts may appear in the ‘page by’ area of the report, or they may appear as columns. This will occur depending upon user preference.
On the first line of the first paragraph, the beginning of the second sentence should be changed from "After the initial load..." to read "The initial load..."	6	Frank X. Miller	3/06/02	Y	The word ‘after’ was removed.
Is this the final deliverable for this task? If so, there is no provision for system testing and/or user acceptance testing. Data Quality is covered, but no system-level quality assurances, plan/strategy.		Cheryl Queen	3/19/02	N	Other deliverables and work products exist for Release 2 of the FP Data Mart after the design document.
Page 5, 1.5 FP Channel Users (internal users) 3 rd sentence (The exact users in the FP Channel that	5	Martha Shine		Y	The sentence was rewritten.



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will have this access "are" not "is"					
Page 9, 2.1, 1 st & last sentence, user working add dash between words "user-working".	9	Martha Shine		Y	The dash was added.
2 nd paragraph, sentence begins, "The rationale change word Microstrategy, "Micro Strategy"	9	Martha Shine		N	Microstrategy is the name of the company, and it is spelled as a single word.
Page 11, change sentence after Figure, "Fact tables in Appendix B of this document depict the detailed logical models."	11	Martha Shine		Y	The sentence was rewritten.
Page 16, 5 Security Design, Change Microstrategy to "Micro strategy" in both sentences.	16	Martha Shine		N	Microstrategy is the name of the company, and it is spelled as a single word.
Page B-5, Logical Data Model - F_FORM_2000_MNTH Change center colum, "line Subitem to "Sub-item".	B	Martha Shine		Y	The word 'subitem' will be changed to 'sub-item' for all occurrences.
Page 4, second paragraph, "The FP Data Mart is positioned to be that central location for information associated with student lending among Financial Partners including Guaranty Agencies, Lenders, and Servicers particularly those participating in the FFEL Student Loan Program." I'm a bit confused by "particularly." When it refers to student lending, what other loan programs will be in the Data Mart?	3	Linda Elrod		Y	The words 'particularly those' were removed. Only FFEL loan programs will be in the data mart.
Page 4, third paragraph, last line, suggest changing "students" to "borrowers" in recognition of PLUS.	3	Linda Elrod		Y	The word was changed to 'borrowers'
Page 7, "External financial partners, "last line, states no more than 2 people from each Lender, GA, servicer or association will be in this group. I thought we were up to 4 from each GA at least?	6	Linda Elrod		Y	The number was changed to 4
Page 12 refers to standard abbreviations in Appendix E. I think this is Appendix D?	11	Linda Elrod		Y	The reference was changed to Appendix D.

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Page 18, number of users, does this mean that 50 concurrent users from all sources (Gas, Lenders, servicers, FPC, and other offices within ED) is the maximum? Considering that we will be opening it up internally and externally to Gas, lenders, and their servicers, will this be adequate? Or, is there a way to measure how many people had to wait to access the system?	17	Linda Elrod		N	We will be able to monitor the usage of the data mart. When we notice that service levels begin to decline due to volume, we will work with the technical team to identify the area(s) within the environment that are causing the declining performance and will address them accordingly.
Page 21, 7.2, states that two of the reports will be of interest to the Schools Channel. The report listed is where the lender has loans in an in-school or grace period status, and the school shows that the student no longer is enrolled. I would think this would be of interest to Partner Services/FPC, as it may indicate that the lender failed to convert the loan to repayment timely.	19	Linda Elrod		N	It is assumed that all reports created will provide benefit for the FP Channel. Some of the reports may also benefit other groups within FSA and external to FSA. In this section, we identify how the other areas may be impacted.
Page 21, 7.2, it states "The GA Closed School and False Certification Claims report can help ensure that default claims for school closures are not paid for schools that are still open.". This should read as follows: "The GA Closed School and False Certification Claims report can help ensure that Closed School and False Certification claims are not paid for schools that are still open." As written (no default claims for schools that are open) it does not make sense.	19	Linda Elrod		Y	The wording was changed as requested.
Page 21, 7.3, talks about GA user access. Can GA servicers (such as EdFund for CSAC) gain access?	19	Linda Elrod		N	Users from GAs will receive access. If a given GA agrees to give another 'entity' access to their data, the given GA must take responsibility and accountability for the user ID.
Appendix A, A-1, 1.1.1: Significant decrease also may indicate that the lender sells loans.	A-1	Linda Elrod		Y	The additional phrase "selling loans" was added to the "Description" column for



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					requirement 1.1.1.
Appendix A, A-3, 1.1.6: Addresses Lender Origination Fees. Will there be a report to capture Lender Fees as well, and compare Origination Fee payment to Lender Fee payment?	A-3	Linda Elrod		N	This report is a detailed report supporting one of the lines on the Lender Scorecard. This information was identified as specifically addressing risk for the Scorecard. Existing reports from Release 1 contain comparisons between fees.
Appendix A, A-5, 1.1.11: The trend of sales also may indicate that the lender only wants to hold loans that are in in-school/grace status.	A-5	Linda Elrod		Y	The last sentence of the “Description” column was changed to read as follows: “The results could indicate that the lender prefers holding in-school or in-grace loans only or is easing itself out of the program.”
Appendix A, A-6, 1.1.15: Audit requirements are set by law/regulation. Suggest revising “The results could indicate whether an audit needs to be scheduled” to read “The results could indicate whether a review needs to be scheduled.”	A-6	Linda Elrod		Y	Changed the report description to read as follows: “Determines the frequency and findings of audits. Since audit requirements are set by law, the results could indicate whether a review should be scheduled.”
Appendix A, A-14, 1.2.13: Same comment as for #6, above. The report needed is where closed school and false certification claims are paid for a school that is open. I don't see the significance of “default” claims.	A-14	Linda Elrod		Y	Changed the report description to read as follows: “Provides information on closed school/false certification claims that have been paid for schools that are still open.”
Page 4, 1 st paragraph - change G.A. to Gas to be consistent with the rest of the document.	4	Mike Fillinich		Y	The abbreviation was changed as suggested.
Page 5, 1 st paragraph - change system application maintenance contractors to system application ED staff and maintenance contractors.	4	Mike Fillinich		Y	The 5 th bullet in Section 1.4 was changed as suggested.
Page 5, next to last paragraph and Page 6, 2 nd paragraph - change The exact users in ...that will have access is at the discretion of the executives in the FP Channel to FP Channel Management will approve individual Data Mart users in ...	5, 6	Mike Fillinich		Y	The sentences were rewritten as follows: “FP Channel management will approve the access of individual Data Mart users.”

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Page 6, 3 rd paragraph - change servicer to Servicer to be consistent with the rest of the document.	6	Mike Fillinich		Y	Capitalization was added for “servicer”.
Page 8, 1 st paragraph - expand a web browser. Are there any minimum requirements? Will IE version prior to 4.0 work? Netscape?	8	Mike Fillinich		N	Microstrategy Web version 7.1, which will be used for Release 2, is certified to work with Internet Explorer versions 3.02 through 5.5 and Netscape versions 4.0 through 6. In addition, Microstrategy also supports the use of Internet Explorer version 3.02 and Netscape versions 3 and 6. Some users have reported problems exporting data to Excel when using Internet Explorer version 4.01; this problem does not occur with Internet Explorer version 5.0 or higher.
Page 11, 3 rd line from bottom - change document which is included to document that is included.	11	Mike Fillinich		Y	The wording was changed as suggested
Section 4.2.x - There should be a warning/disclaimer/disclosure/note/footnote to make users aware of the timing issues of data acquisition. The Data Mart will dramatically improve data access but not data quality.	14	Mike Fillinich		Y	A comment was added to Section 4.4, “Data Quality Assurance,” that further addresses the identified comment.
Appendix A, A-1, req. 1.1.b - change “Perfomance” to “Performance.”	A-1	Mike Fillinich		Y	The spelling was corrected.
Add footer to reports based on Form 2000 that adjustments are not reflected in the report. Add requirements where needed.	A	Ahmad Usmani	3/7/02	Y	Requirements were added to display the footer on the following reports: FMS-NSLDS Cross-Check, GA Annual, GA Annual Comparative, GA Delinquency Aging, GA Federal Fund, GA Fee Payments, GA Monthly, GA Monthly Summary, GA Monthly/Quarterly, GA Net Receivables, GA Operating Fund, GA Restricted Account, GA VFA Performance Measures.
Update Appendix C to reflect changes to table and column names based upon abbreviations	C	Ahmad Usmani	3/8/02	Y	Table and column names have been updated in Appendix C to reflect the actual names of the

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and name length restrictions.					database tables that have been created.
Change requirement 3.2.1 to read, “The system shall prohibit GA users from accessing data on other GAs.”	A-22	Ahmad Usmani	3/13/02	Y	If a GA wants another GA to be able to access its data (for example, if the second GA acts as a Servicer for the first GA), it will be the responsibility of the first GA to provide the second GA with a valid user ID and password with the appropriate authorization. The first GA must accept responsibility for the actions of any users to whom it has provided a valid data mart user ID.
For the F_LNDR_DFLT_RATES table, change the source of the COHORT_YR column from the NSLDS ORG table to the NSLDS DEF_RT_HIS table.	C-5	Ahmad Usmani	3/13/02	Y	The name of the source table has been changed to DEF_RT_HIS. The previous version of the design document incorrectly identified the source table for this column.
Change “NSLDS Translation Code” to “NSLDS Translation Code” in the LKP_FM_2000_ANNL_LINE_ITEM table.	C-10	Ahmad Usmani	3/18/02	Y	The name of the code has been corrected.
Delete LENDER_GEOGRAPHY_ID from the appropriate fact tables.	C-5 to C-7	Ahmad Usmani	3/18/02	Y	LENDER_GEOGRAPHY_ID has been deleted from the fact tables.
For the F_GA_INVOICES table, change the “AMTOUNT_PAID” source column to “AMOUNT_PAID”.	C-3	Ahmad Usmani	3/18/02	Y	The spelling was corrected.
For the F_SCH_LOAN table, change the source system for school branch state from NSLDS to FP Data Mart. Also, rename the table to F_FFEL_LOAN.	C-7	Ahmad Usmani	3/20/02	Y	The source system and table name were changed.
Rename F_CLOSED_SCH_FALSE_CERT to F_CLM_PD. Extract data from NSLDS for all claim reasons, not just Closed Schools and False Certifications. Add Servicer ID to the table. Also, rename the last column in the table to CLM_PD_INCRMNT_AMT. This does not affect the GA Closed School and False Certification	B-1, B-2, C-1	Ahmad Usmani	3/22/02	Y	The indicated changes were made.

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Claims Report.					
Add LNDR_PRTFL_LVL_WT column (lender portfolio level weight) to the LKP_LNDR_PRTFL_LVL table. The weight used to calculate the lender's risk score does not have to be the same as the portfolio level.	C-11	Ahmad Usmani	3/25/02	Y	The column was added.
Add School Branch as an attribute on the GA Closed School and False Certification Claims Report. Also, change the filter "CLOSED_DT <> NULL" to "CLOSED_DT = NULL", so that Closed School/False Cert claims are shown only for schools that are still open.	A-14, A-15	Ahmad Usmani	3/25/02	Y	The report requirements were changed as indicated.
Delete all references to FFELGA_GAMAINTS. The trigger rate will be retrieved from FFELGA_SOA_REPORTS instead.	A-19, A-21, C-1	Ahmad Usmani	3/26/02		Based on discussions with Frank Ramos and Sandra Simmons, Financial Management. References to FFELGA_GAMAINTS have been deleted.
Change "NSLDS" to "FMS" as source for LKP_LEAP_SLEAP_INST_TYPE and LKP_SRVCR.	C-10, C-13	Ahmad Usmani	3/26/02	Y	The source was corrected.
Update Appendix D with any new abbreviations that are being used.	D	Nancy Krecklow	3/27/02	Y	New abbreviations were added to Appendix D: LN (line), WT (weight), ACTL (actual), RVW (review).
Update table 3 (identifies the report to fact table cross reference) to contain the revised fact table names	12	Nancy Krecklow	3/27/02	Y	Updated Table 3 with the revised fact table names.
Update Figure 2 (logical model) according to the changes applied to the logical model in Appendix B	11	Nancy Krecklow	3/27/02	Y	Updated Figure 2 to correspond with the detailed logical models in Appendix B.