

SBS Final Requirements - Version 3.0

Req #	Category	Requirement Tag	Requirement	Priority	F	D	P	T
1	Manage Budget Documents		The system shall support management of documents originating from internal (DOE) sources and external sources.					
1.01	Manage Budget Documents	Create Budget Documents	The system shall support creation of budget documents within DOE (internal documents). Examples are: Fact Sheets, Issue Papers, Data Calls, Answers to Congressional Q&As, Plans, and Directives.	H	X			
1.02	Manage Budget Documents	Import/Scan Documents	The system shall support importing electronic documents , including products of scanning . Examples include the following formats: Word, PDF, graphic images, Excel, XML, HTML, TIFF, JPG.	H	X	X	X	
1.03	Manage Budget Documents	Store Documents	The system shall allow storage of supporting documents created by entities outside DOE (external documents). Examples are: OMB guidance, Congressional guidance, Congressional Questions, Congressional Marks, OMB Passback, and Congressional testimony.	H	X	X	X	
1.04	Manage Budget Documents	Update Documents	The system shall allow authorized users to query, update, delete, deactivate, or archive internal supporting documents .	H	X	X	X	
1.05	Manage Budget Documents	View Documents	The system shall enable users to view supporting documents concurrently with formulating the budget.	M	X	X	X	
1.06	Manage Budget Documents	Link Documents Electronically	The system shall support electronic link to supporting documents.	H	X	X	X	
1.07	Manage Budget Documents	Link Without Exit	The system shall provide access to system-stored and hyperlinked documents without exiting the budget development module.	H	X	X	X	
1.08	Manage Budget Documents	Associate Documents	The system shall allow a user to associate a document with multiple budget activities .	H	X			
1.09	Manage Budget Documents	Disassociate Documents	The system shall allow an authorized user to disassociate documents from budget submissions.	H	X			

SBS Final Requirements - Version 3.0

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1.1	Manage Budget Documents	Log Document Approval Status	The system shall have the ability to store documents with a log of approval or rejection .	H	X	X	X	
1.11	Manage Budget Documents	Issue Data Call	The system shall support issuance of Data Calls by Office of Budget.	H	X			
1.13	Manage Budget Documents	Record Data Call Response	The system shall record Program Offices and Administrative Offices responses to Office of Budget data calls .	H	X	X		
1.14	Manage Budget Documents	E-Signature	The system shall support electronic signature for routed documents and documents prepared for external entities .	M	X	X	X	
1.15	Manage Budget Documents	Toggle Display	The system shall allow an on/off toggle to display/not-display a document associated with a budget activity.	H	X			
1.16	Manage Budget Documents	Create Formatted Templates	The system shall have the ability to create document templates .	H	X		X	
1.17	Manage Budget Documents	Enforce Formats	The system shall enable enforcement of formatting rules.	H	X	X	X	
1.18	Manage Budget Documents	Route and Track Documents	The system shall have the ability to route and track formal questions from, and responses to, external entities . Examples are: OMB Passback, Congressional Testimony, Q&As, Congressional markups, Congressional Appropriations, and Reports.	H	X			
1.19	Manage Budget Documents	Context Help	The system shall have the ability to incorporate guidance (text and numbers) into context sensitive help .	H	X	X	X	
2	Manage Budget Structure		The system shall create, control, track, and report a hierarchical budget structure with varying structure levels.					

SBS Final Requirements - Version 3.0

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2.01	Manage Budget Structure	Create Hierarchy	The system shall have the ability to develop and maintain prior year, budget year, current year, and outyear (BY+4) budgets at hierarchical levels . Examples of hierarchy are: appropriation account, summary, control, and organization.	H	X		X	
2.02	Manage Budget Structure	Modify Hierarchy	The system shall provide flexibility to add, delete, modify, and rename elements within the budget structure.	H	X	X		
2.03	Manage Budget Structure	Move Hierarchy	The system shall support moving a subset of structure to higher or lower levels of indentation .	H	X	X		
2.04	Manage Budget Structure	Move Hierarchy Location	The system shall support moving a subset of structure to another location within the larger budget structure.	H	X	X		
2.05	Manage Budget Structure	Maintain Hierarchy Comparability	The system shall support organizational restructuring and restatements of past budgets as a result of reorganizations.	H	X	X		
2.06	Manage Budget Structure	Hierarchy Crosswalks	The system shall support comparability (crosswalk) adjustments between original and revised budget structure.	H	X	X		
2.07	Manage Budget Structure	Funding Levels	The system shall have the ability to support multiple funding levels (scenarios) for any submission. Examples are: DOE Corporate Review, OMB, and Congressional.	H	X			
2.08	Manage Budget Structure	Search Criteria	The system shall permit reporting and querying of data and annotations at any hierarchal level.	H		X	X	
3	Build Budget		The system shall have the capability to develop budgets for all DOE appropriations and accounts.					
3.01	Build Budget	Rollover All	The system shall allow roll-forward of budget structure to either include previous records with data or exclude previous records creating blank templates for new records.	H	X	X	X	

SBS Final Requirements - Version 3.0

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3.02	Build Budget	Rollover	The system shall not affect the original record(s) when rolling record(s) forward.	H	X	X	X	
3.03	Build Budget	Rollover Congressional	The system shall have the same elements in the Congressional Budget as those elements in the President's Budget Appendix .	H	X			
3.031	Build Budget	Priority Ranking	The system shall provide tools to rank or prioritize programs, subprograms, activities, and subactivities at the Program/Administrative Office and DOE-wide levels.	H	X			
3.032	Build Budget	Priority Ranking	The system shall provide ranking tools to identify incremental and cumulative funding for multiple fiscal years and shall link to other analytical tools to facilitate decision-making. Examples of other analytical tools are: graphs and what-if scenarios.	H	X			
3.033	Build Budget	Priority Ranking	The system shall provide ranking tools that include identification elements (examples are: priority, Congressional control levels, program titles, changes to funding, new activities, over-target programs, and flags to identify crosscut items).	H	X			
3.04	Build Budget	Filter Data	The system shall have the ability to specify filters that control displays or reports of the budget items included in totals independent of any display or report filter.	H	X	X		
3.041	Build Budget	Roll Structure	The system shall be able to establish budget distribution budget structure from budget formulation budget structure .	H		X		
3.042	Build Budget	Roll Structure	The system shall be able to establish budget formulation budget structure from budget distribution budget structure .	H	X			
3.05	Build Budget	Build Bottom Up	The system shall permit the development of budgets from bottom-up .	H	X			

SBS Final Requirements - Version 3.0

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3.06	Build Budget	Build Top Down	The system shall permit the development of budgets from top-down .	H	X			
3.07	Build Budget	Distribute Top Down	The system shall support downward distribution of funding from summary level to detail level.	H	X	X		
3.08	Build Budget	Adjust Targets	The system shall allow adjustments (increases, decreases) at ceiling levels without affecting values at lower levels . Adjustments represent new records, not modifications to existing records.	H	X	X		
3.09	Build Budget	Modify Data	The system shall have the ability to edit dollar and FTE data for the prior year, current year, budget year, and outyears (BY+4) for the current budget submission year. Actions taken to adjust data shall not impact the preserved snapshot.	H	X			
3.1	Build Budget	Budget Multi-Years	The system shall support multi-year budgets.	H	X	X	X	
3.11	Build Budget	Budget Multi-Years	The system shall have the ability to distinguish budget year, prior year, current year, and 4 outyears data within the same budget formulation cycle.	H	X			
3.12	Build Budget	Create Templates	The system shall have the ability to create and manage formatting templates .	H	X	X	X	
3.13	Build Budget	Import Templates	The system shall support import of pre-designed templates for all appropriation formats.	H	X	X	X	
3.14	Build Budget	Template Override	The system shall allow administrative overrides to a system imposed template, link, or calculation .	H	X	X	X	
3.16	Build Budget	Concurrent Cycles	The system shall have the ability to populate, establish, and maintain multiple concurrent budget cycles including current year, budget year, and a minimum of four outyears as separate entities.	H	X		X	
3.17	Build Budget	Appropriation History	The system shall provide an authorized user with the ability to store, access, analyze, and present 10 years of appropriation history data .	H	X	X	X	

SBS Final Requirements - Version 3.0

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3.18	Build Budget	Confirm Target Sum	The system shall have the ability to confirm that the sum of detailed records does not exceed target budget control levels.	H	X	X		
3.19	Build Budget	Display Targets	The system shall maintain a visible display of any budget data that is over or under spread when compared to budget control levels.	H	X	X		
3.2	Build Budget	Congressional Control Level	The system shall support the setting of budgetary targets at Congressional Control levels and lower levels , where needed.	H	X	X		
3.21	Build Budget	Statistical and Control Table	The system shall maintain formulation funds control tables for internal purposes and for external dissemination. Attributes include: table row identification titles and numbers, funds control levels, and construction project numbers.	H	X			
3.22	Build Budget	Statistical and Control Table	The system shall be able to construct the internal and Congressional budget table by appropriation , with roll-up of the internal control levels to the Congressional control levels.	H	X			
3.23	Build Budget	Update Statistical and Control Tables	The system shall support updating formulation funds control tables and include identification and date of funds updates/changes. Examples of updates/changes: supplemental appropriations, reprogramming of funds, and other budget structure changes.	H	X			
3.24	Build Budget	Funding Sources	The system shall include all funding sources . Examples are: direct and reimbursable appropriations, and mandatory and discretionary funds.	H	X	X		
3.25	Build Budget	Construction Projects	The system shall provide the capability to roll up PY construction projects funds by PY organization and budget structure.	H	X			

SBS Final Requirements - Version 3.0

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3.26	Build Budget	DB Indices	The system shall have the ability to create database indices on any column contained in the budget submission.	H	X	X	X	
3.27	Build Budget	Capital/Labor Budgets	The system shall support developing and managing Capital Budgets and Labor Budgets at various levels of detail.	M	X			
3.28	Build Budget	Benefits by Position	The system shall support a compensation/benefits budget by position category and labor type. Examples of position category are: full-time, part-time, permanent, temporary, and intermittent. Examples of labor type are: regular, overtime, and premium pay.	M	X			
3.29	Build Budget	Capital Risk Management	The system shall enable risk management by supporting analysis, tracking, and evaluation of risks and results of all major capital investments (Exhibits 300 and 53).	M	X			
3.3	Build Budget	Capital Work Phases	The system shall permit the development of capital budgets based on specific calendars and time frames for each planning activity phase. Examples of phases are: development, design, and construction.	M	X	X		
3.31	Build Budget	Monitor Capital Budget	The system shall support management of capital and operating funds by direct, indirect, and reimbursable sources.	M	X	X		
3.32	Build Budget	Convert FTEs	The system shall have the ability to convert FTEs to labor hours .	M	X	X		
3.33	Build Budget	FTE Reports	The system shall provide FTE comparison reports for analysis. Examples of reports include: comparison year over year, month to month, project to project.	M	X	X		
3.34	Build Budget	Payroll Modeling	The system shall import data from DOE Payroll Modeling Application.	M	X			

SBS Final Requirements - Version 3.0

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3.35	Build Budget	Forecast Pay	The system shall forecast compensation and benefits by position.	M	X	X		
3.36	Build Budget	Apply COLAs etc.	The system shall be able to apply COLA, step or classification assumptions, other base pay increases, awards, and fringe benefits rates.	M	X	X		
3.37	Build Budget	FTEs by Dimensions	The system shall budget for positions and FTEs by various dimensions. Examples are: appropriations account, program, organizational unit, and budget version.	M	X	X		
3.38	Build Budget	Over-Guidance Alerts	The system shall provide alerts within each budget cycle stage where budget estimates exceed budgetary targets.	H	X	X		
3.39	Build Budget	Congressional Control Level	The system shall support the adjustment of values below designated control level to meet targets, provide tools for spreading the variance, and provide flags/reports for values not matching targets.	H	X	X		
3.4	Build Budget	Spread Variances	The system shall provide tools for spreading variances between Congressional Control Level and lower level targets.	H	X	X		
3.41	Build Budget	Distribute Ceilings	The system shall have the ability to distribute target spending ceilings for budget development within lower levels in the account structure.	H	X	X		
3.42	Build Budget	Estimate Over Ceiling	The system shall provide the capability to maintain estimates that exceed budget control levels as separate entities from the official budget field.	H	X	X		
3.43	Build Budget	Track Budget Events	The system shall have the ability to simultaneously track CPR, OMB, and Congressional budget events at various levels of the budget structure.	H	X			
3.44	Build Budget	Track Budget Events	The system shall track budget events at any level of budget structure.	H	X			

SBS Final Requirements - Version 3.0

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3.45	Build Budget	Version Control	The system shall maintain version control within each budget year within a budget cycle (BY, PY, and CY budgets in parallel).	H	X			
3.46	Build Budget	Sort	The system shall have the ability to display or report budget data based on user-defined sort criteria and to retain the sort criteria for later use .	H	X	X	X	
3.47	Build Budget	Sort	The system shall provide the ability to sort data by user-defined control levels in the budgetary/account structure.	H	X	X		
3.48	Build Budget	Multi-Dimensional	The system shall allow authorized users to view and report budget data by multiple dimensions . Examples of dimensions are: appropriation fund, organization, program, object class, performance measure, DOE goals, and site, laboratory, and state.	H	X	X	X	
3.49	Build Budget	STARS Flexfield	The system shall support multiple dimensions of funds control using elements of the current DOE defined accounting Flexfield classifications . Examples of Flexfields are: object class, program, organization, and fund.	H	X	X		
3.5	Build Budget	Configurable Wizard	The system shall provide the user with a configurable Wizard feature to create budget submissions.	H	X	X	X	
4	Publish Budget		The system shall have the ability to create the entire CPR, OMB, and Congressional budget submissions . The latter two documents are comprised of seven volumes and over 3,000 pages of text and data (see www.cfo.doe.gov/budget).					
4.01	Publish Budget	Consolidate Budget	The system shall allow users to consolidate budget submissions from input provided by multiple organizations.	H	X		X	
4.02	Publish Budget	Split Budget	The system shall allow users to split budget submissions into multiple views .	H	X		X	

SBS Final Requirements - Version 3.0

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4.03	Publish Budget	Integrate Text	The system shall support seamless integration of text and numeric data to produce and print budget volumes. Examples of text data are: budget narrative, notes, comments, footnotes, graphs, charts, and tables.	H	X		X	
4.04	Publish Budget	Update Texted Numbers	The system shall update numbers in text when corresponding numbers in the database are updated and the text documents are refreshed.	H	X		X	
4.05	Publish Budget	Generate Budget Submission	The system shall automatically generate print-ready copy of all applicable annual budget requests , (CPR, OMB, and Congressional) including all narratives, tables, and charts.	H	X		X	
4.06	Publish Budget	Follow A-11	The system shall provide for preparation, printing, and electronic submission of schedules, exhibits, text, and data required by OMB Circular A-11 .	H	X	X	X	
4.07	Publish Budget	User-defined Formats	The system shall provide the capability for user-defined budgetary publication formats .	H	X	X	X	
4.08	Publish Budget	Enforce Formats	The system shall enforce format compliance per annual DOE guidance. Examples are: section and page breaks, fonts, table headings and titles, fiscal year acronyms, and exhibits.	H	X			
4.09	Publish Budget	Formats: Line Control	The system shall support Keep with Next and Widow/Orphan for both narratives and embedded tables/exhibits.	H	X			
4.1	Publish Budget	Hide Row/Column	The system shall have the ability to hide and unhide columns and rows within spreadsheets.	H	X	X	X	
4.11	Publish Budget	Search	The system shall allow an authorized user to filter sets of budget submissions to search by attributes . Examples are: budget cycle (CPR, OMB, Congressional), program, range of budget years (prior, current, budget, out years), range of dollars, and FTEs.	H	X			

SBS Final Requirements - Version 3.0

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4.12	Publish Budget	Print Budget	The system shall have the ability to print all or portions of the budget submission document.	H	X			
4.13	Publish Budget	Print Budget	The system shall have the ability to allow an authorized user to print any budget year submission.	H	X			
4.14	Publish Budget	Extract Data	The system shall support data extract from the database in order to produce/publish other supporting documents. Examples of other documents are: questions and answers, schedules for the Presidents Budget, issue papers, and fact sheets.	H	X		X	
4.15	Publish Budget	Tables of Contents	The system shall have the ability to create and configure primary and secondary tables of contents by DOE budget volume.	H	X			
4.16	Publish Budget	Volume Prefix	The system shall have the ability to produce a table of contents with or without the prefix of a DOE volume designation in front of the page number.	H	X			
4.17	Publish Budget	Page Numbers	The system shall allow easy regeneration of tables of contents when content changes .	H	X			
4.18	Publish Budget	Budget Status Reporting	The system shall provide status reports by organization regarding completion of annual budget documents, including reports on any incomplete budget sections.	H	X		X	
4.19	Publish Budget	Table Templates	The system shall have the capability to allow user-defined, single input of table template headers that repeat throughout the document.	H	X	X	X	
4.2	Publish Budget	Track Changes	The system shall automatically generate all applicable annual budget requests both on-screen and in print that show track changes edits . Examples are: inserts, deletions, format changes, and comments.	H	X			
4.21	Publish Budget	Freeze Column	The system shall have the ability to freeze the left hand column of a multi-column spreadsheet.	H	X	X	X	

SBS Final Requirements - Version 3.0

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4.22	Publish Budget	E-Forms	The system shall support development and printing of electronic forms .	H	X	X	X	
4.231	Publish Budget	Screen Column	The system shall provide the user with options to enable or disable automatic presentations of instructions as desired.	H	X	X	X	
4.24	Publish Budget	Pop-Ups	The system shall not force users to exit the field to see instructions that are too long to fit on the screen.	M	X	X	X	
4.25	Publish Budget	Table Inserts	The system shall support inserting/deleting tables into narrative sections .	H	X	X	X	
4.27	Publish Budget	Import Exhibits	The system shall have the ability to import text, tables, charts and other graphics from other software programs, to include Microsoft Word and Excel, and Adobe Acrobat, and associate them with budget structure elements.	H	X	X	X	
4.28	Publish Budget	Create Exhibits	The system shall support user creation of charts, exhibits, and tables .	H	X	X	X	
4.29	Publish Budget	Graphic Exhibits	The system shall support graphical views of data . Examples are: graphs, pie charts, and other graphics for dollar and FTE and workload data.	H	X	X	X	
4.3	Publish Budget	File Formats	The system shall have a publication capability that includes: Word, Excel, PDF, PowerPoint, charts and graphics, superimposed graphs, tables, cross tabs, maps, pivots, XML, HTML, WML, print, and print preview.	H	X	X	X	
4.31	Publish Budget	Publishing	The system shall have the ability to create or publish to the Web .	H	X	X	X	
4.32	Publish Budget	Microsoft Access	The system shall support data output to external databases , including Microsoft Access.	M	X	X	X	
4.33	Publish Budget	Link Table of Contents	The system shall have the ability to hyperlink from the table of contents to each volume.	H	X			
4.34	Publish Budget	Create Crosscuts	The system shall produce cross-cutting and supplemental data collections.	H	X	X	X	

SBS Final Requirements - Version 3.0

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4.35	Publish Budget	Extract Crosscuts	The system shall allow crosscuts to be developed from text and data extracted from the annual budget justification .	H	X			
4.36	Publish Budget	Create Crosswalk Tables	The system shall create numerical crosswalk tables . Examples are: crosswalks between DOE and OMB budget object classes and comparability crosswalks between old and new DOE budget structures.	H	X	X		
4.37	Publish Budget	Errata Statement	The system shall generate the Errata Statement based on edits made after publication.	M	X			
5	Manage Funds Distribution		The system shall support calculating and distributing appropriations, apportionments, allotments, and Approved Funding Programs .					
5.01	Manage Funds Distribution	Generate SF 132	The system shall provide the capability to generate the SF 132 (OMB Apportionment and Reapportionment Schedules).	H		X		
5.02	Manage Funds Distribution	Update SF 132	The system shall provide the capability to update the SF 132 (OMB Apportionment and Reapportionment Schedules).	H		X		
5.04	Manage Funds Distribution	Maintain SF 132	The system shall maintain SF 132 reports historically .	M		X		
5.05	Manage Funds Distribution	Record SF 132 Actions	The system shall support recording OMB action on submitted SF 132 Apportionment Requests.	H		X		
5.06	Manage Funds Distribution	Report SF 132 Variance	The system shall support generation and printing of an SF 132 variance report comparing the DOE request to OMB action.	H		X		
5.07	Manage Funds Distribution	Compare SF 132 to Warrants	The system shall produce reports that compare the Treasury Warrant to the SF 132 Apportionment. Note: Treasury Warrants originate in STARS.	M		X		
5.09	Manage Funds Distribution	Replicate Apportionment	The system shall allow authorized users to apply SF 132 data as a baseline for calculations and to automatically replicate the previous apportionment.	H		X		

SBS Final Requirements - Version 3.0

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5.1	Manage Funds Distribution	View Apportionments	The system shall enable users to print/display all Appropriations with their latest Apportionment Request number.	M		X		
5.11	Manage Funds Distribution	Manage Advice of Allotment	The system shall manage the Advice of Allotment process.	H		X		
5.12	Manage Funds Distribution	Generate Advice of Allotment	The system shall generate the Advice of Allotment.	H		X		
5.13	Manage Funds Distribution	Generate Advice of Transfer	The system shall generate the Advice of Transfers (by appropriation).	M		X		
5.14	Manage Funds Distribution	Allotments by User Algorithms	The system shall have the ability to maintain allotted amounts over prescribed time periods using user-defined algorithms . Examples of algorithms are: PY actual cost distribution, quarterly distribution, and monthly distribution.	H		X		
5.15	Manage Funds Distribution	E-Routing	The system shall provide the capability for electronic routing for Advice of Allotments and Advice of Transfers.	H		X		
5.16	Manage Funds Distribution	E-Signature	The system shall provide the capability for electronic signature for Advice of Allotments and Advice of Transfers.	H		X		
5.17	Manage Funds Distribution	Review Advice of Allotment	The system shall support review of the proposed direct and reimbursable work funding amounts for the Advice of Allotment.	H		X		
5.18	Manage Funds Distribution	Report Allottee Changes	The system shall provide the capability to report changes by Allottee.	H		X		
5.19	Manage Funds Distribution	Sum AFP and Allotment Amounts	The system shall summarize AFP and allotment amounts by Allottee for each appropriation.	H		X		
5.2	Manage Funds Distribution	Report Funds	The system shall have the ability to create reports of appropriations, apportionments, allotted funds, and AFPs.	H		X		

SBS Final Requirements - Version 3.0

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5.21	Manage Funds Distribution	Send Fund Files	The system shall automatically make available electronic files of appropriations, apportionments, allotted funds, and AFPs data to the appropriate entity.	H		X		
5.22	Manage Funds Distribution	Prepare Fund Reports	The system shall prepare the formal documents of appropriations, apportionments, allotments, and AFPs automatically.	H		X		
5.23	Manage Funds Distribution	Control Funding	The system shall control funding within appropriations, apportionments, allotment, and AFPs.	H		X		
5.25	Manage Funds Distribution	SF 132 Availability Footnote Codes	The system shall allow users to update Availability Footnote Codes (from SF 132) and create footnotes by Treasury Symbol.	H		X		
5.27	Manage Funds Distribution	Manage AFP	The system shall support management of AFPs.	H		X		
5.28	Manage Funds Distribution	Generate AFP Authorization	The system shall generate documentation authorizing DOE program managers to obligate and expend funds.	H		X		
5.29	Manage Funds Distribution	E-Signature	The system shall support electronic signatures on documents authorizing managers to obligate and expend funds.	H		X		
5.3	Manage Funds Distribution	Generate Funding Authorization	The system shall generate funding authorizations. Examples are: M&O AFPs, Non-M&O AFPs, and Transfers.	H		X		
5.31	Manage Funds Distribution	Generate WAS	The system shall generate those information points shared by the Approved Funding Program (AFP) and the Work Authorization System (WAS) for the WAS Work Authorization and Work Proposal forms.	H		X		
5.32	Manage Funds Distribution	Summarize AFP	The system shall summarize records to be uploaded into the accounting system (STARS). Records are for: appropriation, apportionment, allotment, and AFP.	H		X		

SBS Final Requirements - Version 3.0

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5.33	Manage Funds Distribution	Adjust Control Levels	The system shall allow adjusting control levels . Examples are: allotment and AFP.	H		X		
5.34	Manage Funds Distribution	Update FM Codes	The system shall allow users to update allotment and AFP codes . Examples are: B&R and accounting Flexfield.	H		X		
5.35	Manage Funds Distribution	CR Operations	The system shall allow for operations under a CR .	H		X		
5.36	Manage Funds Distribution	CR Availability Report	The system shall allow processing of Congressional actions under a CR Availability Report . Examples are: House, Senate, or Conference action.	H		X		
5.37	Manage Funds Distribution	Compute CR Funding	The system shall compute modified allotments under a CR .	H		X		
5.38	Manage Funds Distribution	Track CR Funding	The system shall track allotments and AFPs under a CR or similar situation.	H		X		
5.39	Manage Funds Distribution	CR Reimbursables	The system shall, under a CR, modify direct and reimbursable funding portions of all allotments at the AFP recipient level.	H		X		
5.4	Manage Funds Distribution	CR Allowances Calculations	The system shall provide users with alternative methods in calculating CR allowances.	H		X		
5.41	Manage Funds Distribution	CR Allowances Calculations	The system shall allow Office of Budget users to initiate both an automated current rate of spending calculation and a not-to-exceed-current-rate calculation under a CR.	H		X		
5.42	Manage Funds Distribution	CR Rules	The system shall allow the Office of Budget to establish rules for CR terms . Examples of rules for each appropriation are: lower of the House or Senate Mark, current rate, percent applied, and estimated obligation through date.	H		X		
5.43	Manage Funds Distribution	Funds Distribution Reports	The system shall have the ability to summarize/report current FY budget amount, PY actual, YTD actual, YTD variance, and remaining FY budget at various user-defined levels/hierarchical structures.	H		X		

SBS Final Requirements - Version 3.0

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5.44	Manage Funds Distribution	Funds Distribution Reports	The system shall produce funds distribution reports .	H		X		
5.45	Manage Funds Distribution	Carryover Report	The system shall generate the Estimated Unobligated Carryover Detail Report for submission to OMB.	H		X		
5.46	Manage Funds Distribution	Unallotted Balances	The system shall report unallotted balances for the Estimated Unobligated Carryover reconciliation. Examples of unallotted are: prior year deobligation reserve amounts, DOE reserve amounts, and funds allotted to the Office of Budget.	H		X		
5.47	Manage Funds Distribution	Recovery of PY Obligations	The system shall support the Recovery of Prior Year Obligations by Appropriation Report (Detail Report) and Recovery of Prior Year Obligations by Assistant Secretary Report (AS Report).	H		X		
5.48	Manage Funds Distribution	Remarks Reports	The system shall provide authorized users the ability to produce Remarks Assignment Reports and Query Remark Code Reports for allotments, transfers, or AFPs.	M		X		
5.49	Manage Funds Distribution	Consolidated Audit Reports	The system shall provide reports necessary for a Consolidated Audit . Examples are: Management Summary Reports, Obligational Availability Report, and Recovery of Prior Year Deobligations by Appropriation and Program.	H		X	X	
5.51	Manage Funds Distribution	Multi-Dimensional	The system shall distribute, slice and dice , and control funds from multiple perspectives. Examples are: appropriation, budget structure, object class, apportionment, organization, allottee, allotment and sub-allotment.	H	X	X		
5.52	Manage Funds Distribution	STARS Accounting Flexfield	The system shall summarize budget or actual data in total, by accounting Flexfield segment or at user-defined levels/hierarchical structures . Examples are: organization, project, and program.	H	X	X		

SBS Final Requirements - Version 3.0

Req #	Category	Requirement Tag	Requirement	Priority	F	D	P	T
5.53	Manage Funds Distribution	Manage Non-Approp & Non-Apport Funds	The system shall provide the capability to manage and account for non-appropriated and non-apportioned funds.	H		X		
5.54	Manage Funds Distribution	Modify Non-Approp & Non-Apport Data	The system shall allow authorized users to add, change, and delete allotment information related to non-appropriated and non-apportioned funds.	H		X		
5.55	Manage Funds Distribution	Modify Reimbursables	The system shall allow authorized users to update estimated reimbursable work amounts associated with core SBS repository amounts.	H		X		
5.56	Manage Funds Distribution	STARS Interface	The system shall provide for uploading of apportionments, allotments, and AFPs directly into STARS with appropriated and non-appropriated (funded) budget amounts by different time periods. Examples of time periods are monthly, fiscal year, and multi-year.	H		X		
5.57	Manage Funds Distribution	Variance Explanation	The system shall allow the input of text explaining variances when comparing the budget to the actual costs and shows variance percentage for month and YTD.	H		X		
5.58	Manage Funds Distribution	Expired Appropriation Authority	The system shall record the expiration and cancellation of appropriation authority .	H		X		
6	Integrate Budget and Performance		The system shall have the tools and capability to manage performance data and to integrate performance data with the DOE budget submission.					
6.01	Integrate Budget and Performance	Import Master	The system shall support importing a master spreadsheet of performance data into exhibits/tables.	H	X		X	
6.02	Integrate Budget and Performance	Maintain Data Historically	The system shall maintain performance/workload data for the budget year and five prior years .	H	X		X	
6.03	Integrate Budget and Performance	Future Year Targets	The system shall have the ability to maintain performance targets and milestones for the budget year and four future years.	H	X		X	

SBS Final Requirements - Version 3.0

Req #	Category	Requirement Tag	Requirement	Priority	F	D	P	T
6.04	Integrate Budget and Performance	Modify Data	The system shall permit modifications to performance/workload data . Actions taken to adjust data must not impact the preserved snapshot.	H	X		X	
6.05	Integrate Budget and Performance	Enter Commentary	The system shall permit users to enter written commentary to explain changes to targets and variances between actual performance and target.	H			X	
6.06	Integrate Budget and Performance	Spread Numerics	The system shall have the ability to spread performance goal data by math function or user algorithm.	H	X		X	
6.07	Integrate Budget and Performance	Link Goals	The system shall link the performance goals to DOE organizations and to the DOE Strategic Plan (Strategic Themes and Objectives) .	H			X	
6.08	Integrate Budget and Performance	What-if Scenarios	The system shall enable development of the budget using varying levels of performance , such as outcome-related performance, which is based on different funding levels. Examples of funding levels are: Decrement, Target, and Over Target.	H	X		X	
6.09	Integrate Budget and Performance	Quantifiable Measures	The system shall provide the ability to support quantifiable performance measures .	H			X	
6.1	Integrate Budget and Performance	Performance Reports	The system shall support quarterly and annual performance reports .	H			X	
6.11	Integrate Budget and Performance	Ad Hoc Reporting	The system shall provide the capability to design and produce ad hoc queries and customizable reports for individual users.	H	X	X	X	
6.12	Integrate Budget and Performance	PAR	The system shall produce the annual Performance Results section in the PAR .	H			X	
6.13	Integrate Budget and Performance	Flexible Structure	The system shall provide support for a flexible account structure .	H	X	X	X	
6.14	Integrate Budget and Performance	Unique Goal Identifiers	The system shall enforce uniquely numbered performance goals .	H	X		X	

SBS Final Requirements - Version 3.0

Req #	Category	Requirement Tag	Requirement	Priority	F	D	P	T
6.15	Integrate Budget and Performance	Collect GPRA Data	The system shall collect and report performance data to satisfy GPRA reporting requirements.	H			X	
6.16	Integrate Budget and Performance	Modify Data	The system shall support changes to performance measure information within any budget cycle.	H	X		X	
6.17	Integrate Budget and Performance	Modify Data	The system shall provide the capability to update any affected milestones, deliverables, or targets .	H	X		X	
6.18	Integrate Budget and Performance	Bottom Up	The system shall include the capability to create and maintain a performance measure hierarchy that supports the roll up of data from the bottom up .	H	X		X	
7	Manage Workflow	Review and Approvals	The system shall support workflow for review/approval processes . Examples of reviewable process are: budget submissions, Congressional testimony, fact sheets, issues papers, Q&As, and other supporting documentation.					
7.01	Manage Workflow	Functional Access	The system shall control user access to functions and data based on workflow states .	H	X	X	X	
7.02	Manage Workflow	Acknowledge Guidance	The system shall require and record receipt of user acknowledgement of DOE guidance documents before user can act on the guidance .	L	X	X	X	
7.03	Manage Workflow	Online Review	The system shall permit online review and approvals .	H	X	X	X	
7.04	Manage Workflow	Routing and Notification	The system shall have workflow automation incorporating routings and notifications .	H	X	X	X	
7.05	Manage Workflow	Route Internal/External	The system shall support routing and notifications that target internal and external destinations .	H	X	X	X	
7.06	Manage Workflow	Designate Recipients	The system shall have the ability to designate recipients .	M	X	X	X	
7.07	Manage Workflow	Route Documents	The system shall support routing documents .	H	X	X	X	
7.08	Manage Workflow	Alert Deviations	The system shall have alerts for review and approval when deviations from guidance occur.	H	X	X		
7.09	Manage Workflow	Audit Trail	The system shall record for audit all the changes to products within the workflow.	H	X	X	X	

SBS Final Requirements - Version 3.0

Req #	Category	Requirement Tag	Requirement	Priority	F	D	P	T
7.1	Manage Workflow	Assignment	The system shall support flexible assignment of actions on workflow entities.	H				X
7.11	Manage Workflow	Approval Authority	The system shall permit assignment of approval authority .	H	X	X	X	
7.12	Manage Workflow	Approval Authority	The system shall have approval authority assignable at any budget structure level .	H	X	X		
7.13	Manage Workflow	Approval Authority	The system shall have approval authority assignable to budget submission subsections .	H	X			
7.14	Manage Workflow	Batch Job Scheduling	The system shall support job (batch) scheduling by various time-units. Examples of units are: calendar, clock, interval, condition, and event-based.	H	X	X	X	
7.15	Manage Workflow	Concurrent Review	The system shall support concurrent review by multiple individuals .	H	X	X	X	
7.16	Manage Workflow	E-Signature	The system shall support electronic signatures within the workflow process.	M	X	X	X	
7.17	Manage Workflow	Signature Placement	The system shall display any authorizing or certifying signature fields following the last data field requiring an approval signature.	M	X	X	X	
7.18	Manage Workflow	Unique Signatures	The system shall require that the data elements serving as an electronic signature are unique to each authorizing official .	H	X	X	X	
7.19	Manage Workflow	Track Signatures	The system shall include electronic signature approval in the audit trail associated with the data approval.	H	X	X	X	
7.2	Manage Workflow	Approval Levels	The system shall permit multiple levels of approval to a single user.	H	X	X	X	
7.21	Manage Workflow	Approval Controls	The system shall prevent a user with multiple approval levels from applying more than one level of approval to a given document.	M	X	X	X	
7.22	Manage Workflow	Workflow by Organization	The system shall accommodate different organizational budget workflows .	H	X	X	X	

SBS Final Requirements - Version 3.0

Req #	Category	Requirement Tag	Requirement	Priority	F	D	P	T
7.23	Manage Workflow	Override Rules	The system shall allow an organization's system administrator to override predefined workflow processes within that administrator's span of authority.	M	X	X	X	
7.24	Manage Workflow	Status Reports	The system shall support status queries and reports on items in the workflow.	H	X	X	X	
7.25	Manage Workflow	View Approval History	The system shall support viewing of approval history .	H	X	X	X	
7.26	Manage Workflow	Groups	The system shall have workflow capabilities by individual users and by user groups .	H	X	X	X	
7.27	Manage Workflow	Lockout	The system shall have the ability to lock out specific users or specific user groups during specified workflow states .	H	X	X	X	
7.28	Manage Workflow	Lockdown Budget	The system shall lock down the finalized budget and its associated documents. Examples of documents are: Q&As, fact sheets, issue papers, and testimony.	H	X			
7.29	Manage Workflow	Tasks	The system shall have the ability to establish workflow tasks and deadlines .	H	X	X	X	
7.3	Manage Workflow	Bookmark	The system shall be capable of returning the user to where the user left off in the workflow process.	M	X	X	X	
7.31	Manage Workflow	Navigate Backwards	The system shall allow the user to navigate to any previous point in the workflow.	M	X	X	X	
7.32	Manage Workflow	Override Lockdown	The system shall provide mechanism to override the lock down of a budget submission under appropriate circumstances.	H	X	X	X	
8	Perform Analysis		The system shall have strong analytic, data manipulation , and multi-dimensional analysis capabilities.					
8.01	Perform Analysis	Trend Analysis	The system shall support trend analysis based on standard and user-defined parameters .	H	X	X	X	
8.02	Perform Analysis	Outlays	The system shall allow input of outlay rates and calculate the outlays for any element of the budget structure.	H	X	X		

SBS Final Requirements - Version 3.0

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8.03	Perform Analysis	Forecasts	The system shall produce forecasts for periodic bases with user-defined parameters . Examples are: cost of living adjustments, outlays, and end-of-year projections of obligations.	H	X	X		
8.04	Perform Analysis	Filters	The system shall permit users to exclude selected budget line items , activities, or account codes from a projection .	H	X	X		
8.05	Perform Analysis	Regressions	The system shall support regression analysis .	H	X	X		
8.06	Perform Analysis	Create What-If	The system shall allow multiple what-if scenarios based on any combination of business drivers and multiple funding levels.	H	X	X	X	
8.07	Perform Analysis	Copy What-If	The system shall have the ability to copy any budget submission or what-if scenario into a new what-if scenario.	H	X	X	X	
8.08	Perform Analysis	Unlimited What-If	The system shall permit generation of unlimited what-if scenarios .	H	X	X		
8.09	Perform Analysis	Temporary What-If	The system shall permit creation of what-if scenarios without changing official records until the new scenario is authorized.	H	X	X		
8.1	Perform Analysis	Promote What-If	The system shall be able to promote a what-if scenario as the next working version of budget submission.	H	X			
8.11	Perform Analysis	Impact Analysis	The system shall be able to create scenarios that demonstrate impacts on performance .	H	X		X	
8.12	Perform Analysis	What-If	The system shall permit applying factors to specified budget values to project over-target or under-target estimates.	H	X	X		
8.13	Perform Analysis	Rounding	The system shall comply with specified rounding rules .	H	X	X		
8.14	Perform Analysis	User Formulas	The system shall have the ability to perform calculations based on system- and user-defined formulas .	H	X	X	X	

SBS Final Requirements - Version 3.0

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8.15	Perform Analysis	Custom Functions	The system shall permit the build of custom functions which can be globally available to all users.	H	X	X	X	
8.16	Perform Analysis	Enforce Functions	The system shall allow a user to create and assign formulas to data fields, reference data and metadata fields.	H	X	X	X	
8.17	Perform Analysis	Rollup Percents	The system shall handle rollups of percentages and ratios on calculated columns.	H	X	X	X	
8.18	Perform Analysis	Post Appropriation	The system shall allow for changing current-year funding levels as a result of post-appropriation actions without change to enacted levels.	H	X	X	X	
8.19	Perform Analysis	What-If Scenarios	The system shall support adding multiple funding levels to tables/exhibits while retaining the original tables/exhibits.	H	X	X		
9	Manage Data		The system shall manage current and historical data.					
9.01	Manage Data	No Duplicate Input	The system shall maintain data in a format to eliminate duplicate input and storage of information.	H	X	X	X	X
9.02	Manage Data	Data Management	The system shall use a common, integrated, fully attributed data dictionary that allows for the documentation of the specific use of fields and values.	H	X	X	X	X
9.03	Manage Data	Archive	The system shall have the ability to archive historical data.	H				X
9.04	Manage Data	Auto-Archive	The system shall auto-archive historical data based on user-defined rules.	H	X	X	X	
9.05	Manage Data	Data Quality	The system shall ensure timely and reliable access to data.	H	X	X	X	
9.06	Manage Data	Data Search	The system shall support data searches.	H	X	X	X	
9.07	Manage Data	Data Integrity	The system shall ensure data integrity.	H	X	X	X	
9.08	Manage Data	Data Validation	The system shall support validation of imported data.	H	X	X	X	
9.09	Manage Data	Maintain Audit	The system shall maintain a history of changes to tracked elements. Examples are: old values, new values, and user identifiers.	H	X	X	X	

SBS Final Requirements - Version 3.0

Req #	Category	Requirement Tag	Requirement	Priority	F	D	P	T
9.1	Manage Data	Update Costs	The system shall have the ability to update actual cost data regularly from STARS.	H		X		
9.11	Manage Data	Reconciliation	The system shall support reconciliation reporting . Examples are: budget spreads across appropriation funds, programs, activities, object classes, sub-activities, and performance goals.	H	X	X		
9.12	Manage Data	Single Point Entry	The system shall provide a single point of entry for data .	H	X	X	X	
9.14	Manage Data	Record/File Lock	The system shall prevent damage of system data from simultaneous changes .	H	X	X	X	X
9.15	Manage Data	Data Quality	The system shall validate that budget data embedded within a narrative corresponds to budget data in the central database.	H	X	X		
9.16	Manage Data	Scientific Research	The system shall support reporting information about where federal funds for scientific research are spent.	H	X			
9.17	Manage Data	Snapshots on Demand	The system shall make available a snapshot on demand , after every submission phase.	H	X		X	
9.18	Manage Data	Snapshots Independent	The system shall retain snapshots independently of one another.	H	X	X	X	
9.19	Manage Data	Snapshots - No Impacts	Subsequent data edits shall not impact existing snapshots .	H	X	X	X	
9.2	Manage Data	Version Control	The system shall maintain version control on all portions of the budget .	H	X		X	
9.21	Manage Data	Audit Stamp	The system shall record user ID, date stamps, and time stamps for modified records .	H	X	X	X	
9.22	Manage Data	Check-Out/In	The system shall support check-out and check-in for document editing .	H	X	X	X	
9.23	Manage Data	Multiple Users	The system shall allow multiple users to work on different sections within the same budget submission.	H	X		X	
9.24	Manage Data	View Old Version	The system shall permit read-only access to any previous version of the budget submission.	H	X		X	

SBS Final Requirements - Version 3.0

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9.25	Manage Data	Unlimited Versions	The system shall allow for unlimited versions of a submission, section, or element.	H	X		X	
9.26	Manage Data	Version Labels	The system shall have the ability to set version labels on controlled elements for grouping and point-in-time referencing.	H	X	X	X	
9.27	Manage Data	Version Control	The system shall establish and dynamically control user access to specified data at different times by budget version while still allowing read access.	H	X		X	
9.28	Manage Data	View Check-out User	The system shall allow users to see who has documents checked out.	H	X	X	X	
9.29	Manage Data	Report Check-out	The system shall report on elements under version control. Examples of reportable items are: Element Name, Version Number (#), Check-Out Date, Check-In Date, User, Version Label, Justifications, and Comments.	H	X	X	X	
9.3	Manage Data	Multiple Data Types	The system shall support multiple data types to align with the budget structure for the annual budget justification document. Examples are: graphic, pictorial, narrative, and numeric data and graphs and tables as objects.	H	X			
9.31	Manage Data	Validation Table	The system shall support validation tables to apply to any data elements.	H	X	X		
9.32	Manage Data	Justify Change	The system shall support optional justification text when a single numeric element is changed.	H	X	X	X	
9.33	Manage Data	Validation	The system shall support data validation via system look-up tables.	H	X	X	X	
9.34	Manage Data	Privacy Data	The system will neither collect nor store privacy data.	M	X	X	X	
10	Interoperability		The system shall support interoperability.					X
10.01	Interoperability	E-mail	The system shall have the ability to create and send e-mails by utilizing the DOE e-mail systems of record.	H				X
10.02	Interoperability	E-mail lists	The system shall provide for e-mail distribution lists for routing and distribution purposes within SBS.	M				X

SBS Final Requirements - Version 3.0

Req #	Category	Requirement Tag	Requirement	Priority	F	D	P	T
10.03	Interoperability	E-mail toggle	The system shall allow a user to activate and deactivate system-generated e-mail notifications.	M				X
10.04	Interoperability	Hyperlinks	The system shall have the ability to store references to hyperlinks .	H				X
10.05	Interoperability	Auto-Update Hyperlinked Data	The system shall have the ability to link to a Microsoft Excel spreadsheet , referencing explicit field/column names , so that data is dynamically updated /linked and/or uploaded and downloaded between the system and an Excel spreadsheet.	H				X
10.06	Interoperability	Import/Export	The system shall permit authorized users to download data from and upload data to external systems .	H				X
10.07	Interoperability	Batch/Real Time Interface	The system shall be able to interface with other DOE systems in both batch and real-time modes .	H				X
10.08	Interoperability	APIs	Interfaces with other systems shall be supported via standard APIs .	H				X
10.09	Interoperability	Import/Export Microsoft Office	The system shall have the ability to upload and download data to the Microsoft Office suite of products.	H				X
10.1	Interoperability	Program Office Interfaces	The system shall provide a standard interface mechanism to support upload/download capability from/to local Program systems . Examples of local systems are EERE's Corporate Planning System and EM's BAJA.	M				X
10.11	Interoperability	STRIPES Interface	The system shall support interface with STRIPES (if needed) .	M				X
10.13	Interoperability	STARS Interface	The system shall allow for an interface from STARS to SBS for estimated unobligated carryover amounts, recovery of prior year deobligation amounts, and recovery of actual unobligated carryover amounts.	H				X

SBS Final Requirements - Version 3.0

Req #	Category	Requirement Tag	Requirement	Priority	F	D	P	T
10.21	Interoperability	STARS Interface	The system shall support the STARS accounting Flexfield coding structure including automated upload and download of the structure.	H				X
10.22	Interoperability	MAX Interface	The system shall support upload of text and data to OMB's MAX system.	H				X
10.23	Interoperability	PART Interface	The system shall support interface with the PART 50 database . PART 50 is used to report actual performance incident and workload data.	M				X
10.24	Interoperability	Marks Interface	The system shall support receiving electronic feeds from Congressional Committees pertaining to appropriation related action , where appropriate and/or feasible.	M				X
10.25	Interoperability	Interface	The system shall have the ability to create extracts, reports and templates that are compatible with external systems such as OMB's MAX and PART systems.	H				X
10.26	Interoperability	IDW Interface	The system shall support interface with IDW system if needed.	H				X
10.27	Interoperability	Import/Export Formats	Upload and download shall employ industry standard formats . Examples are ASCII, XML, and CSV.	H				X
11	Reporting		The system shall provide query and reporting capabilities for both standard/system reports and ad-hoc reports .					
11.01	Reporting	Specify Audit Items	The system shall allow an administrator to specify what budget elements will be tracked .	H	X	X		
11.02	Reporting	Audit Reports	The system shall produce scheduled and ad-hoc reports on audit actions and audit trails .	H	X	X	X	
11.03	Reporting	Audit Record Budget Submission	The system shall provide an audit record each time a budget document is submitted .	H	X	X	X	

SBS Final Requirements - Version 3.0

Req #	Category	Requirement Tag	Requirement	Priority	F	D	P	T
11.04	Reporting	Filters	The system shall permit filtering data for display in a standard report.	H	X	X	X	
11.05	Reporting	Select All	The system shall allow users to retrieve by all data elements when building a report .	H	X	X	X	
11.06	Reporting	Sort	The system shall support user-defined sort order .	H	X	X	X	
11.07	Reporting	Error Report	The system shall automatically generate error reports .	H	X	X	X	
11.08	Reporting	Report Third-Party Tools	The system shall interoperate with third-party reporting tools .	H	X	X	X	
11.09	Reporting	Report Building Tools	The system shall have tools to create reports and queries. Examples are: wizards, drag-and-drop, drill-down, drill-across, and slice and dice .	H	X	X	X	
11.1	Reporting	Report Breakdown	The system shall allow for large reports to be broken down into component reports.	M	X	X	X	
11.11	Reporting	Report Scheduling	The system shall schedule the running and distribution of reports based on user-defined parameters .	H	X	X	X	
11.12	Reporting	Dashboards	The system shall have the ability to create reports or dashboards containing report objects . Examples are: charts, graphs, cross tabs, lists, images, and logos.	H	X	X	X	
11.13	Reporting	Printing	The system shall have Microsoft Office print features and options. Examples are: one button print, print preview, cancel, and print-to-file.	H	X	X	X	
11.14	Reporting	Print to File	The system shall have the ability to print to file and to any local, networked, or workstation printer .	H	X	X	X	
11.15	Reporting	Funding by State and Lab	The system shall generate the Department Funding by State and Funding by Laboratory reports for submission to OMB and Congress.	H	X			
11.16	Reporting	Statistical Tables	The system shall generate Statistical Tables at specified levels of detail.	H	X			
11.17	Reporting	Control Tables	The system shall generate Control Tables by Appropriation and by Organization at specified levels of detail.	H	X	X		

SBS Final Requirements - Version 3.0

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11.18	Reporting	SQL	The system shall be compatible with standard SQL , including import of SQL statements .	H	X	X	X	
11.19	Reporting	Query Features	The system shall have standard query features . Examples are: save query, save results, schedule, preview and publish results, counts, and summaries.	H	X	X	X	
11.2	Reporting	Search Criteria	The system shall perform on-line queries of budgetary data based on user defined search criteria .	H	X	X	X	
11.21	Reporting	Tables for PAR	The system shall electronically produce and insert tables for inclusion in the annual PAR and the Department's Performance budget request.	H		X	X	
12	Security		The system shall provide application and data security complying with DOE and other Federal security standards, such as NIST .					X
12.01	Security	Security Capabilities	The system shall have computer security capabilities to manage password assignments, expirations, disablements, changes, locks, and resets, and to manage, control, and audit system access.	H				X
12.02	Security	Anti-Virus	NOT FOR PUBLICATION	H				X
12.03	Security	Auditors vs Administrators	The system shall support separation of duties between system administrators and auditors . Auditors should have full view-only privileges .	H				X
12.04	Security	Logs	The system shall support periodic system audits through system access and error logs .	H				X
12.05	Security	C&A	The system shall comply with Federal and DOE security requirements necessary to achieve Certification and Accreditation (C&A) status .	H				X
12.06	Security	Caching	NOT FOR PUBLICATION	L				X
12.07	Security	Access Control for Reports	The system shall ensure that DOE access policies are consistently enforced when users generate or invoke reports or ad-hoc data queries .	H				X

SBS Final Requirements - Version 3.0

Req #	Category	Requirement Tag	Requirement	Priority	F	D	P	T
12.08	Security	Lock/Unlock Data	The system shall support marking data fields as locked or unlocked by user role , user group, and by lock-out dates .	H				X
12.09	Security	Data Protections	The system shall guard against unauthorized information modification or destruction , and includes ensuring information non-repudiation and authenticity.	H				X
12.1	Security	Entrust Certifications	The system shall be capable of utilizing Entrust certificates for digital signatures .	H				X
12.11	Security	DOE Warning Banner	The system shall be configured such that the DOE warning banner is displayed to users upon first accessing DOE automated information resources.	M				X
12.12	Security	Assign Access	The system shall allow the administrator to define functional access rights and data access rights by assigned user ID, functional role, and owner organization down to the single data element level.	H				X
12.13	Security	Internet Security	NOT FOR PUBLICATION	H				X
12.14	Security	Internet Security	NOT FOR PUBLICATION	H				X
12.15	Security	Internet Security	NOT FOR PUBLICATION	M				X
12.16	Security	Login Access	The system shall support the Department's standards for user identification, role based security, and single sign-on capability .	H				X
12.17	Security	DOE G 205.3-1	NOT FOR PUBLICATION	H				X
12.18	Security	Password	NOT FOR PUBLICATION	H				X
12.19	Security	Password	NOT FOR PUBLICATION	H				X
12.2	Security	Password	NOT FOR PUBLICATION	H				X
12.21	Security	Password	NOT FOR PUBLICATION	H				X
12.22	Security	Disallow Password	NOT FOR PUBLICATION	H				X
12.23	Security	Change Password	NOT FOR PUBLICATION	H				X
12.24	Security	Invalid Attempts	NOT FOR PUBLICATION	H				X
12.25	Security	Number of Sessions	NOT FOR PUBLICATION	H				X

SBS Final Requirements - Version 3.0

Req #	Category	Requirement Tag	Requirement	Priority	F	D	P	T
12.25	Security	Save work	The system shall insure that if a user is automatically logged off of the system due to inactivity that the user's work is saved	H				X
12.26	Security	Deny Access	NOT FOR PUBLICATION	H				X
12.27	Security	Login Protect	NOT FOR PUBLICATION	H				X
12.28	Security	Login Restriction	The system shall allow an administrator to restrict access to budgetary data until an internal approval process is properly completed.	H				X
12.29	Security	Encryption	NOT FOR PUBLICATION	H				X
12.3	Security	ID and Password	The system shall assign each user a unique user ID and password .	H				X
12.31	Security	Expiration	NOT FOR PUBLICATION	H				X
12.32	Security	Disable Unused	NOT FOR PUBLICATION	H				X
12.33	Security	Login Reset	NOT FOR PUBLICATION	H				X
12.34	Security	Login Reset	NOT FOR PUBLICATION	H				X
12.35	Security	Delete Access	NOT FOR PUBLICATION	H				X
12.36	Security	Login Administration	NOT FOR PUBLICATION	H				X
12.37	Security	Login Table Display	NOT FOR PUBLICATION	H				X
12.38	Security	LDAP	NOT FOR PUBLICATION	H				X
12.39	Security	Microsoft Active Directory	NOT FOR PUBLICATION	L				X
12.39	Security	Token ID	The system shall support RSA identification .	L				X
12.4	Security	Oracle 10g	NOT FOR PUBLICATION	L				X
12.41	Security	Privacy	The system shall be designed as to address applicable privacy concerns.	H				X
12.42	Security	Sensitive Data	NOT FOR PUBLICATION	H				X
12.43	Security	System Protection	The system shall require application software with known exploitable weaknesses to be replaced with updated versions.	H				X

SBS Final Requirements - Version 3.0

Req #	Category	Requirement Tag	Requirement	Priority	F	D	P	T
12.44	Security	Configuration Management	NOT FOR PUBLICATION	H				X
12.45	Security	Incidents	NOT FOR PUBLICATION	H				X
12.46	Security	Admin Privilege	The system shall ensure that system maintenance or repair as well as software modification or replacement requires administrator privilege.	H				X
12.47	Security	Time-Out	NOT FOR PUBLICATION	H				X
12.48	Security	User Role Assignment	The system shall allow assignment to users/groups of an action to perform on a document. Examples of actions are: edits and reviews.	H				X
12.49	Security	User Role Rights	The system shall control access to functions, budget levels, data elements, documentation, and exhibits by user, group, role, and/or data-state.	H				X
12.5	Security	Backup and Recovery	The system shall have back-up and recovery capabilities.	H				X
12.51	Security	Privacy Act	The system shall protect data against unauthorized disclosure of information that is subject to the Privacy Act of 1974, specifically individual Social Security Numbers.	H				X
12.52	Security	State/Transaction Recovery	The system shall provide that a session state of transaction can be recovered up to the last commit when a user is abnormally disconnected.	H				X
12.53	Security	Restore DB	The system shall provide the capability to restore the system to a specific point in time.	H				X
12.54	Security	Disaster/COOP	The system shall support an architecture that will allow for the site authority to restore continuity of operations in the event of a partial or total disaster within 2 business days.	H				X
12.55	Security	System Failures	The system shall prevent damage of system data from system failures.	H				X

SBS Final Requirements - Version 3.0

Req #	Category	Requirement Tag	Requirement	Priority	F	D	P	T
13	System		The system shall operate in a standard operating environment , be responsive in a reasonable time limit, and be maintained by version-controlled updates and patches.					X
13.01	System	System Performance	The system shall be responsive to user actions within a reasonable time frame.	H				X
13.02	System	Data	The system shall operate on a database of Oracle or Microsoft SQL Server .	H				X
13.03	System	24x7 Availability	The system shall be available on a 24x7 basis , except for scheduled maintenance down times.	H				X
13.04	System	DOE-NET Protocols	The system shall support DOE access protocols via DOE-NET wide-area network.	H				X
13.05	System	JDBC Protocol	The system shall support the Java Database Connectivity (JDBC) protocol .	L				X
13.06	System	JavaScript	The system shall support JavaScript embedded in the user interface.	H				X
13.07	System	Network	The system shall maintain usability across a disparate network (LAN, WAN, Internet) environment .	H				X
13.08	System	Business Rules	The system shall allow changes to business logic and processes using configuration rather than programming tools.	H				X
13.09	System	Configurability	The system shall support a flexible set of codes that can be expanded without reprogramming or custom coding .	H				X
13.1	System	Data Conversion	The system shall provide a tool or mechanism that enables data conversion from legacy systems.	H				X
13.11	System	ODBC Protocol	The system shall interface with systems using Open DataBase Connectivity (ODBC) .	H				X
13.12	System	Oracle APIs	The system shall interface with Internal Key Business Systems that use Oracle Federal Financials, through standard Oracle API's .	H				X

SBS Final Requirements - Version 3.0

Req #	Category	Requirement Tag	Requirement	Priority	F	D	P	T
13.13	System	Oracle Portal Software	The system shall interface with systems that use Oracle Portal software.	H				X
13.14	System	Portlet Connectors	The system shall support native portlet connectors for Oracle 10g Portal software.	L				X
13.15	System	Tivoli Compatibility	The system shall be compatible with the Tivoli Storage Manager (TSM) backup and recovery system.	H				X
13.16	System	XML	The system shall interface with systems that use eXtensible Markup Language (XML) .	H				X
13.17	System	Communication	The system shall support to call or interact with external objects. Examples are: .net assemblies and java classes .	L				X
13.18	System	OS/Servers	The system shall support one or more of the following server operating systems : IBM AIX, Sun Solaris, or Microsoft Windows 2003.	H				X
13.2	System	SOAP 1.1	The system shall communicate with systems using Web Services , including SOAP 1.1 with attachments.	H				X
13.21	System	J2EE 1.4	The system shall support a system interface with systems built using Java 2 Enterprise Edition (J2EE) , version 1.4 and above.	L				X
13.22	System	S-FTP	The system shall support Internal and External Key Business Systems that use Secure File Transfer Protocol (S-FTP) .	L				X
13.23	System	Network Documentation	The system shall include documentation on all network communication ports utilized for user and system interfaces.	H				X
13.24	System	System Documentation	The system vendor shall provide Installation, Administration, and End-User Documentation .	H				X
13.25	System	Vendor Technical Support	The system shall offer live vendor Help Desk support for the Technical Team during normal business hours (Monday through Friday 7am to 7pm Eastern Time, excluding Federal Holidays).	H				X

SBS Final Requirements - Version 3.0

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13.26	System	Oracle 10g DB	The system shall support the Oracle 10g (and above) or Microsoft SQL Server 2005 (and above) database for relational database management.	L				X
13.27	System	Windows XP	The system shall operate with client desktops running Windows XP (SP2) environment.	H				X
13.28	System	MS Explorer	The system shall be web-based and operate on Microsoft Internet Explorer 6.0 without requiring additional software to be loaded on the user workstation.	H				X
13.29	System		System components that require client software installation shall be able to be administered and updated remotely .	H				X
13.3	System	System upgrades	The system shall support modular upgrades of application components.	H				X
13.31	System	Patches & versions	The vendor shall provide system patches and version updates for new product releases.	H				X
13.32	System	COTS bugs	The vendor shall maintain a knowledge database to record bugs and issues .	H				X
13.33	System	System Performance	The system shall respond within 5 seconds for all user actions except for calculations, download, formatting for print/print preview, data intensive operations, or interfaces with external systems.	H				X
13.34	System	Busy signal	The system shall provide a busy indicator for user actions that take more than 5 seconds and less than 15 seconds.	H				X
13.35	System	Action status	The system shall provide a dynamic amount of progress complete indicator for user actions that take more than 10 seconds.	H				X
13.36	System	MS Internet Server	The system shall interface to Microsoft Information Internet Server 6.0 or higher (on Microsoft Windows platforms) or Apache Tomcat (on Unix/Linux platforms).	H				X

SBS Final Requirements - Version 3.0

Req #	Category	Requirement Tag	Requirement	Priority	F	D	P	T
14	Usability		The system shall have intuitive navigation, standard productivity features, online help, and user-friendly administration tools.					X
14.01	Usability	Reference Tables	The system shall have the ability to print/extract any lookup (reference) tables.	H				X
14.02	Usability	Software Update	The vendor shall provide timely updates of new versions of vendor software.	H				X
14.03	Usability	Consistent Controls	The system shall ensure that internal controls over data entry, transaction processing, and reporting are applied consistently.	H				X
14.04	Usability	Cut and Paste	The system shall allow users to cut, copy, and paste data using industry standards. Examples are: mouse input and keyboard input such as CTRL+C, X, and V.	H				X
14.05	Usability	Reduce Keying	The system shall have features to reduce direct keying. Examples are: highlight required fields, auto tabs, screen navigation menus, undo/redo, dropdown lists, and hyperlinks.	H				X
14.06	Usability	Hide/Unhide Calculations	The system shall support hide/unhide calculations (cell formulas).	H				X
14.07	Usability	Custom Error Message	The system shall allow for customizing standard error messages.	H				X
14.08	Usability	Error Message Spell-Check	The system shall have the capability to spell-check and grammar-check error and dialog messages.	L				X
14.09	Usability	Error Message Clarity	The system shall employ error-handling routines that report understandable errors messages.	H				X
14.1	Usability	Extensibility	The system shall be capable of future expansion for additional users, interfaces, locations and networks.	H				X
14.11	Usability	Add Entities	The system shall permit the addition of new data entities as requirements change.	H				X
14.12	Usability	Find and Replace	The system shall have find and replace features similar to the capabilities provided in Microsoft Office.	H				X

SBS Final Requirements - Version 3.0

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14.13	Usability	Shortcut Keys	The system shall have shortcut keys and underlined access keys for menu items.	H				X
14.14	Usability	Configurable Help	The system shall provide a configurable help facility . Examples are: user aids, instructions, and documentation to include context sensitive on-line help, usage guidelines, and single point of contact information.	M				X
14.15	Usability	Update Help	The system shall permit additions and updates to Help function items and terms.	M				X
14.16	Usability	Help Topics	The systems online Help feature shall contain a search feature for quick topic look-up and a FAQ section.	M				X
14.17	Usability	Online Help	The system shall provide button tool tips which indicate the purpose of the button.	L				X
14.18	Usability	Section 508	The system shall support end-users with disabilities according to the 36 CFR Part 1194, Electronic and Information Technology Accessibility Standards, and Section 508 of the Rehabilitation Act.	H				X
14.19	Usability	Thin Client	The system shall provide a browser-based thin client user interface for end user functionality.	H				X
14.2	Usability	Scroll	The system shall navigate to an entry in a list by scrolling or by typing in the initial letter of an entry.	H				X
14.21	Usability	Status Notification	The system shall provide users with completion notifications when running reports or processing information in batch mode.	M				X
14.22	Usability	Field Pre-fill	The system shall pre-fill certain fields on forms that already have related records contained in the system.	M				X
14.23	Usability	Status Notification	The system shall provide processing messages to users to indicate the status of an action .	M				X
14.24	Usability	Configure Parameters	The system shall provide integrated tools for tracking the configuration parameter settings .	H				X

SBS Final Requirements - Version 3.0

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14.25	Usability	Configure Preferences	The system shall allow users to manage preferences in the software. Examples are: codes, people, and offices relevant to a particular site office or budgeting activity.	H				X
14.26	Usability	Notices	The system shall be configurable to support posting notices alerting users to system changes.	L				X
14.27	Usability	Save	The system shall allow users to save a record in the database without completing all non-key fields.	L				X
14.28	Usability	Message Toggle	The system shall provide a configuration setting to opt out of receiving messages which indicate the status of an action.	L				X
14.29	Usability	Wizards	The system shall support development of configurable Wizard interfaces.	H				X
14.3	Usability	Hide/Unhide Columns/Rows	The system shall support the ability to hide/unhide columns and rows.	H				X
14.31	Usability	Freeze Headers/Columns	The system shall support freeze of table headers and lead columns for tables/lists in forms so they remain viewable when scrolling down or across.	H				X