FUNCTION	CORE	OPTIONAL
ESTIMATING		
Contain user friendly advanced parametric model building capabilities, including the ability for a user to design and modify intuitive "interview" modules that solicit the key variables pertaining to a particular facility type (such as administrative building, facility buildings, etc…) by considering soil condition, seismic zone condition, and other related factors. Parametric modeling includes the ability to develop new models from cost libraries and/or by combining existing models to assemble a more complex model.	X	
Organize cost data by user-defined Work Breakout Structure (WBS), asset (*e.g.*, building, electronic equipment, land), and user-defined groups (*e.g.*,building, room, sub-contractors, engineering discipline)	X	
Construct user-defined cost libraries	X	
Automatically process updates to prior cost estimates from latest cost libraries. Flag data that were not changed	X	
Markup various parts of the estimate independently, including the ability to select a combination of compounding and/or simple markups of various parts.	X	
Suppress parts of the estimate (from the estimate total as well as from the report)	X	
Adjust estimate for localization cost factors.	X	
Create custom materials, labor types, and associated costs	X	
Assign tax rates from a custom or centralized commercially available data base. Allow assignment of tax rates individually (applied or not) by material, equipment, and labor.	X	
Assign attributes (*e.g.*, notes, images, formulas) to any line item or groups	X	
Read and search RS Means, user-defined, and commercial cost libraries. Search within the results of a previous search.	X	
View and define individual project roles and respective rates used in the cost estimate	X	
View and define project crews and respective rates used in the cost estimate	X	
View each line entry by a cost breakdown providing the material, labor, equipment. other, and applicable taxes and mark-up. Filter the view to a specified breakdown (i.e. material alone, labor alone, etc.)	X	

Enter new line items within the estimate at any level	X	
Promote/demote line items within an indented WBS structure.	X	
Display and modify associated costs in multiple user-defined views.	X	
Activate multiple windows to view various estimate-related information simultaneously. Size and move windows as needed.	X	
Open multiple files within a single session and edit each file through window activation. Allow cut and paste of line item information within a file and from one file to another.	X	
Print estimate reports from user-defined templates.	X	
Create custom reports and save as templates.	X	
Globally convert between US common units and metric units.		X
Switch between Construction Specification Institute (CSI) Master Formats 1994 and 2004.		X
Process item take-offs from common engineering CAD such as AutoCad, MicroStation.		X
Read graphic data from orginal RS Means package.		X
Display, edit, add, and delete cost estimate items in spreadsheet view: (1) Adjustable and re-arrangeable columns (2) Inclusive, exclusive, or custom filters on columns. (3) Sort data on individual columns. (4) Insert sub-total rows (5) Automatic commitment of changes when pressing Tab, Enter, or leaving cell		X
Search libraries using advanced boolean operators, selective fields parameters, or history-based (most used) data.		X
User-adjustable automatic save function.		X
Distribute cost adjustments simultaneously over multiple line items	X	

FUNCTION	CORE	OPTIONAL
DATA EXCHANGE		
Exchange data with external applications through the use of Extensible Markup Language (XML). The system should support Web Services (SOAP, WSDL and UDDI)	X	
Interchange data with ODBC applications.	X	
Import/export line item detail or cell ranges to/from from Excel.	X	
Exchange cost data and project information to and from Primavera (at a minumum, WBS, Activity, and Role information.)	X	
Transfer cost data to Primavera at the activity level including a roll up cost of each activity and duration in man-days or hours of each role assigned to the activity.	X	
Read and write Primavera Project Codes, Activity Codes, User Defined Fields, and Notebook topics.	X	
Integrate with Primavera Version 6.2 or later using the Primavera API	X	
Create a new project baseline when importing data into Primavera	X	
Attach support documents (*e.g.*, pdf, tif, jpeg, png, doc) to any line item in the estimate.		X
File compression for email compliance		X
Export reports to other software (*e.g.*, Microsoft Excel, MS Word, Acrobat, xml, text)		X

FUNCTION	CORE	OPTIONAL
DATABASE MANAGEMENT		
Forward compatibility with new releases	X	
Enterprise-level file management to perform customer-defined queries (*e.g.*, cost baseline, project location, facility type, budget year)	X	
Enterprise-level file management to track multiple baselines (*e.g.*, initial, intermediate, final). Simple filename renaming and/or copying file to create additional baseline is not acceptable.	X	
Enterprise-level display user-defined views of estimates with sort and filter (*e.g.*, file name, creation date, estimate type, status, facility type, project location, total cost)	X	
User Access *(e.g.,)*: 1. System Administrator - Assign users, password, define user's right 2. Database Administrator - Manage enterprise estimates database 3. Review/Approver - Publish, Reject Estimate 4. Casual Users - Create & Edit un-approved estimates	X	
In explorer view, create new estimate from existing estimate.	X	
Intuitive file explorer GUI	X	
Allow multiple explorer windows to be open simultaneously	X	
With proper authentication, allow user to delete/create archive/restore from archive/move/change status from the explorer view		X
Mullti-user access: 1. Checkin/checkout 2. Adminstrative override 3. Lockout 4. Read Only		X
At their discretion, users can share unfinished work		X

FUNCTION	CORE	OPTIONAL
USER HELP		
Complete, indexed, searchable online user help.	X	
Printed user manual providing tutorials and complete reference material to support beginning as well as advanced users.	X	
Electronic Help Function include definition of all unique terms, procedures how to execute all features with example, including screenshot of examples.		X
Electronic Help Function include field definition of required fields.		X
Electronic Help Function include definition of function, classifies by group (i.e: date, text conversation, logic …). Also include input mask required, example, and process how to include such function in the estimate.		X
Electronic Help Function include explanation of internal equations and theories.		X