Request for Proposal: Enterprise Data Warehouse and Business Intelligence Solution - Functional Requirements

This portion of the RFP will be used to evaluate the technical and functional ability of the proposed Enterprise Data Warehouse and Business Intelligence solution to achieve CCC' needs.

*** FAILURE TO COMPLETE AND SUBMIT THIS SECTION COULD IMPACT THE RESPONSIVENESS OF YOUR PROPOSAL IN ITS ENTIRETY, ***

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1. Platform Functions (interactivity, ease of use, customization)								
		Vendor Respo	lowing choices					
Category	Description	Out of the Box	Need to Configure	Need Customization	Not Available	Comments		
Interactive Visualization	The solution's dashboard enables exploration of data by changing charts							
	The solution is simple and intuitive providing users a good user							
User Friendly								
	The solution allows user to customize the homepage by embedding							
User Friendly	reports, dashboard, or links to the reports or dashboards.							
Report Customization	The solution allows users to add notes and commentary to reports and charts.							
Report Customization	The solution allows users to ambed outside data points (example: targets).							
Report Customization	requirements.							
Report Customization	and formats.							
Report Customization	The solutions supports different report style sheets.							
Customizable Dashboards	The solution allows users to customize dashboards based on their preferences and requirements.							
Programming Language	The programming language should be common programming language if required to use the tool in advanced mode.							
Information sharing	The solution allows users to share information and interact via discussion threads, chat capabilities, and annotations to facilitate decision making and content analysis.							
Browser Compatibility	The solution supports all major browsers (IE, Edge, Google Chrome, Firefox, Safari, etc.)							
Customization/White Labeling	The look-and-feel of the solution can be customized to meet users' specific needs, even to the extent of making the interface similar to the							
	existing business sortware.							
struction		Vendor Respo	onse: Please provide "	Yes" to one of the fol	lowing choices			
Category	Description	Out of the Box	Need to Configure	Need Customization	Not Available	Comments		
Visual Querying	The solution helps constructing complex database queries with minimum knowledge of SQL statements.							
Visual Interaction	The solution allows users to build data queries with code-free "drag and drop" visual tools to enable non-technical personnel to easily find desired data points.							
		Vendor Respo	onse: Please provide "	Yes" to one of the fol	lowing choices			
Category	Description	Out of the Box	Need to Configure	Need Customization	Not Available	Comments		
Automatic Scheduled	The solution allows users to schedule automated business intelligence							
	The solution allows users to search all available reports, FAQs, keywords,							
Report Tagging	The solution provides an easy way to tag reports.							
Tooltip	The solution provides tooltips that can be added to measures, text and/or column header.							
Help Resources	The solution provides access to help resources that provide answers to							
	common challenges and questions.							
Report Listing	The solution provides the report sort capability.							
Usage Statistics								
Usage Statistics Ad Hoc Analysis	The solution provides the report sort capability. The solution allows power users to access BI tool usage statistics. The solution facilitates analysis of a single, specific business requirement.							
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	Category Interactive Visualization User Friendly User Friendly Report Customization Customizable Dashboards Programming Language Information sharing Browser Compatibility Customization/White Labeling Labeling Visual Querying Visual Querying Visual Interaction Category Automatic Scheduled Report Searching Report Searching Report Tagging Tooltip	Interactivity, ease of use, customization) Category Description The solution's dashboard enables exploration of data by changing charts using colors, brightness, size, shape and motion. The solution is simple and intuitive providing users a good user experience. An interface users understand and use without the need to remember or memorize almost anything The solution allows user to customize the homepage by embedding reports, dashboard, or links to the reports or dashboards. Report Customization The solution allows users to customize the reports to suit their requirements. 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		The solution provides dashboards so that users can get a snapshot view of						
4.06	Data Dashboards	important conditions, trends, exceptions and other KPIs.						
4.07	Data Discovery and Preparation	The solution provides tools to compile and prepare data for analytics, testing hypotheses, performing visualization, creating/sharing reports, or setting up custom alerts.						
4.08	Issue indicators	The solution has the capability to point out issues within the data.						
5. Analytics	real-time analysis and fore	casting)						
Number	Category	Description	Vendor Response: Please provide "Yes" to one of the following choices					
Number	Category	Description	Out of the Box	Need to Configure	Need Customization	Not Available	Comments	
5.02	Benchmarking	The solution allows users to compare business processes and performances.						
5.03	Predictive Analytics	The solution helps users utilize a variety of sources to analyze current and past information in order to analyze the probability of events.						
5.04	Embedded Analytics	The solution allows analytics to be embedded into other internal or 3rd						
5.05	Big Data Analytics	party applications. The solution has the ability to support and query large, hybrid, columnar, and array based data sources, such as Hadoop, MapReduce, or other NoSQL databases, to analyze full range of available business data.						
5.06	Descriptive Analytics	The solution enables users to understand data by creating relevant summaries and presenting the data in self explanatory mode.						
5.07	Diagnostic Analytics	The solution lets users analyze the root cause of certain events and						
2.07		behaviors. The solution provides performance analytics to address goals, objectives,						
5.08	Performance Analytics	and accountability. Performance analytics typically use a variety of KPIs including strategic scorecards; relevant comparisons against plans, budgets, forecasts, prior performance, and industry benchmark data; and the ability to drill down to root cause details.						
5.09	Prescriptive Analytics	The solution helps identifying the best outcome to events, given the parameters, and suggesting decision options to take advantage of a future opportunity or to mitigate a future risk.						
5.1	Social Media Analytics	The solution enables users to gather and analyze data from blogs and social media websites to make business decisions.						
5.11	Statistic Analytics	The solution provides statistical tools to analyze and draw inferences from						
5.12	Text Analytics	data. The solution converts unstructured text data into meaningful data for						
5.13	Web Analytics	Semantic text analysis. The solution allows collection, analysis and reporting of web data to						
5.14	What if Analysis	understand and optimize web usage. The solution enables "What if analysis" to allow organization to assess the potential effects of critical business decision before they're actually made.						
5.15	Geolocation Analysis	The solution provides the ability to handle maps, drill down to information based on a specific region, or use data that is automatically refreshed according to a specific location, i.e., location intelligence.						
5.16	Trend Indicators	The solution has the capability to point out patterns within the data.						
5.17	Performance measurements/Ranking Reports	The solution enables users to measure the success or failure of an organization's project or activity. The solution helps track various business dimensions to identify best and worst performing aspects of the organization.						
5.18	Data Mining	The solution allows users to examine large preexisting databases in order to generate new information.						
6. Document	: Management (exporting d	ata visualizations and reports into different formats)						
		Paradition .		onse: Please provide "\		lowing choices	Comments	
Number	Category	Description	Out of the Box	Need to Configure	Need Customization	Not Available	Comments	
6.02	Export	The solution supports user reports and output to be saved (exported) in common formats, such as HTML, Excel, CSV, or PDF to provide flexibility.						
6.03	Versioning	The solution allows users to view past versions of a report. The solution allows users to import analytical tables, embedded data and						
6.04	Application Reporting	charts from other application.						
7. Decision S	ervices (security, user acce	ss controls to access, export, modify files, spreadsheets and graphs)	Vendor Respo	onse: Please provide "\	res" to one of the fol	lowing choices		
Number	Category	Description	Out of the Box	Need to Configure	Need Customization	Not Available	Comments	
7.02	Compliance Decision Management	The solution makes it easier for CCC to prove compliance. The solution allows users to perform analytics, transform data, create business recommendations, and comment on the information to help drive decisions.						
7.04	Decision Management	drive decisions. The solution allows users to perform analytics, transform data, create business recommendations, and comment on the information to help						
8. Mohile Da	nta Delivery & Analysis	drive decisions.						
_,ouile De	2011-01 y & Analysis		Vendor Respo	onse: Please provide "\	res" to one of the fol	lowing choices		
Number	Category	Description	Out of the Box	Need to Configure	Need Customization	Not Available	Comments	

8.02	Mobile Features	The solution has the capability to utilize mobile devices' native capabilities to enhance mobile access, such as a touchscreen, camera and						
8.02	Widdlie Features	location awareness.						
9. Data Modeling								
N		Paradata.	Vendor Response: Please provide "Yes" to one of the following choices					
Number	Category	Description	Out of the Box	Need to Configure	Need Customization	Not Available	Comments	
		The solution enables code-free, 'drag and drop', user-driven data						
9.02	End-User Data Mashups	combinations of different sources and the creation of analytical models, such as user-defined measures, sets, groups, and hierarchies.						
9.03	Natural Language	The solution enables users to search through data using natural language text and linguistic rules thereby making search function intuitive.						
	Searching	The solution permits import of third-party analytic models using						
9.04	PMML Support	Predictive Modeling Markup Language (PMML).						
9.05	Reusable Data Models	The solution has the ability to let users create data models to enhance future searches and analysis.						
10. Data Wa	rehouse							
				nse: Please provide "		llowing choices		
Number	Category	Description	Out of the Box	Need to Configure	Need Customization	Not Available	Comments	
10.02	Data Tool	The solution is able to map, convert and store data from flat file formats like text and comma separated files, as well as from SQL platforms like MS						
10.00	Data Tool	SQL , Oracle, MySQL, etc. The solution is capable of schedule dependent jobs; that can be driven by						
10.03	Data Iool	a data event automatically or manually. The solution integrates with ERP tools, specifically PeopleSoft Campus						
		Solutions 9.x,						
10.04	Data Integration	PeopleSoft Contributor Relations v.9.x, PeopleSoft Enterprise Human Resources Management v.9.x,						
		PeopleSoft Enterprise Student Administration v. 9.x, PeopleSoft Enterprise Financial Management v.9.x.						
10.05	Data Integration	The solutions is able connect to data warehouse OLAP cubes to allow						
		users to slice and dice, drilldown, rollup the data. The solution provides API for data access/extraction from outside						
10.06	Data Integration	applications.						
10.07	Data Quality	The solution ensures the confidentiality, integrity, and availability of data with the system preventing duplicate records and only allowing records to						
		be removed by administrator action. The solution is optimized that data queries generated as result of user						
10.08	Data Optimization	interaction with the applications will not affect existing performance of the transactional database from which data are pulled.						
10.09	Data Optimization	The solution translates business requirements into meaningful datasets.						
		The solution vendor provides programming assistance in modeling the data warehouse, normalizing extant CCC data siloes into a data						
10.10	Data Modeling	warehouse and assisting CCC in data warehouse schema development.						
11. Infrastru	cture, Security and Support		Vendor Respo	nse: Please provide "	Vas" to one of the fol	llowing choices		
Number	Category	Description	Out of the	Need to	Need	lowing choices	Comments	
		·	Вох	Configure	Customization	Not Available		
11.02	Networking	The solution provides single sign on (SSO) capabilities through integration with AD/LDAP.						
11.03	Networking	The solution provides load balancing capability to minimize the risk of						
		server failure. The solution is fully compatible to host in any of major cloud services (e.g.						
11.04	Hardware/Software	AWS, MS Azure, Google Cloud, etc.) The solution is compatible for mobile devices including but not limited to:						
11.05	Hardware/Software	Android, iPhone, and iPad.						
11.06	Hardware/Software	The solution is compatible with any CCC servers and client machines and provides ongoing technical support.						
11.07	Analytics Tool	The solution is integrated with predicted analytic tool or other machine learning solutions.						
,		The solution is capable of provisioning programming studio/environment						
11.08	Analytics Tool	for easy integration of in-house applications or of middleware.						
11.09	Security	The solution provides capability to provision users and restrict access for various tiers by roles and responsibility (authorization).						
11.03	Security	, , , , , , , , , , , , , , , , , , , ,						
11.1	Cocurity -	The solution is able to record an audit trail of all changes made to the application configurations and to CCC data. The minimum criteria for						
11.1	Security	audit logs should be date, time, user performing the change, and changes made.						
11.11	Security	The solution supports data encryption between all server components						
_		and clienttoserver connections. The solution allowes CCC to own all data loaded into the system including						
11.12	Security	log data relating to our use of the system. vendor may not use data in any						
11.12	Security	way other than to serve CCC. Advance approval from CCC authorized contact must be obtained for any data usage not outlined in the						
11.12	Comment	agreement. The solution vendor provides telephone based product support on a 24 x						
11.13	Support	7 x 365 basis.						

11.14	Support	The solution vendor shall integrate installation and setup plans into CCC authored change management and acculturation plans to integrate BI into CCC workflow.			
11.15	Training	The solution shall empower users with selfservice training via webbased video and text tutorials, as well as via instructorled facetoface training opportunities.			