

Network Documentation Software

Sealed Bid

Rev 0

Bid #44523119

Scope of Work

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- I. Scope of Solicitation**
- II. Instructions to Offerors**
- III. Scope of Work / Specifications**
- IV. Terms and Conditions - Special**
- V. Appendices to Scope of Work (if required)**
- VI. Bidding Schedule (if required to breakout or compare pricing details)**

I. SCOPE OF SOLICITATION

Clemson University is seeking offers for a Network Documentation Software as outlined herein.

Clemson Computing and Information Technology (CCIT) requires a fully functional solution. The vendor will be required to provide on-going support and service including system upgrades, fixes, and enhancements. The offer will encompass all requirements as outlined in this request for a solution.

AWARD

Award will be made to one Offeror. Award will be made to the highest ranked, responsive and responsible Offeror whose offer is determined to be the most advantageous to the University. The contract will be based on the initial software and annual maintenance fee.

MAXIMUM CONTRACT PERIOD - ESTIMATED

Software Product to include License and Maintenance

Initial Contract Period: December 12, 2013 - December 11, 2014.

Maximum Contract Period: December 12, 2013 – December 11, 2018.

Dates provided are estimates only. Any resulting contract will begin on the date specified in the notice of award.

The effective date of this contract is the first day of the Maximum Contract Period as specified on the final statement of award. For bids where award statement is not required, the effective date of the contract will be the issue date on the Purchase Order. For continuing contracts the initial term of this agreement is one (1) year from the effective date as stated on the award document. At the end of the initial term, and at the end of each renewal term, this contract shall automatically renew for a period of one year, unless contractor receives notice that the University elects not to renew the contract at least thirty (30) days prior to the date of renewal. Said renewals may be less than, but will not exceed, four (4) additional one year periods. Regardless, this contract expires no later than the last date stated on the final statement of award.

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44 **Deadline for Receipt of Questions:** All questions must be emailed to Tammy Crooks at
45 duncant@clermson.edu prior to 11/22/2013, 4:00 PM ET.

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47 **II. INSTRUCTIONS TO OFFERORS**

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49 **INFORMATION FOR OFFERORS TO SUBMIT** - In addition to information requested
50 elsewhere in this solicitation, Offerors should submit the following for purposes of evaluation:

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52 **DESCRIPTIVE LITERATURE – LABELLING:** Include Offeror's name on the cover of any
53 specifications or descriptive literature submitted with your offer.

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55 **SUBMITTING YOUR PROPOSAL:** Regardless of specific requirements below or in this
56 document, Offerors are required to submit their offer electronically through the Clemson
57 University online bidding system. To do so you must login (registering first) at
58 <https://sciquest.ionwave.net/prod/default.aspx?company=clemson>, and follow specific
59 instructions for this solicitation. Do NOT simply email or mail in bid based on this scope of
60 work document. You must attach any bid information in addition to your pricing in the
61 Response Attachments tab of the online bidding system.

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64 **III. SCOPE OF WORK / SPECIFICATIONS**

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66 **REQUIREMENTS:**

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68 Clemson University is seeking offers for a Network Documentation Software as outlined herein.

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70 **A. Network Documentation Software**

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Bid must include:

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1) Provision for software on two servers

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2) Provision to document up to 6000 nodes

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3) 5 Admin/Editor licenses

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4) Unlimited Read-Only Viewers

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5) 1 Day of Training for up to 10 Users

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6) Information on Yearly recurring maintenance costs

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7) Integration with CA Spectrum

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B. Software Requirements

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Product must provide the following abilities/features:

1) Create Top Level projects containing a collection of diagrams, nodes, links, comments, documents, shapes and other objects

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- 2) Model generic node types using custom icons. Create up to unlimited fields per type.
- 3) Create node rules by assigning different icons (visual overrides) for different field criteria. Dynamically change the icons based on changes in the underlying data.
- 4) Model generic link types using custom link colors and thickness. Create unlimited fields per type.
- 5) Create link rules by assigning different colors and line thickness (visual overrides) for different field criteria. Dynamically change the link thickness and colors based on changes in the underlying data.
- 6) Create node and link instances, including inter diagram links, and change the underlying data directly from the browser
- 7) Collaborate with other users by creating attached documents, comments, shapes and watermarks on diagrams (all directly from the browser)
- 8) 100% Web-based diagrams
- 9) Unlimited zooming/fit to screen and panning navigation
- 10) Ability to move and resize objects on the diagrams using the browser and ability to resize and align a set of objects in bulk
- 11) Multiple Undo steps for diagram changes (moves, resizes)
- 12) Web-based search with links to go to a diagram containing the searched item/s
- 13) Full-screen views, and filters to hide/show backgrounds and other elements
- 14) Ability to visualize aggregate diagram properties and single object properties on a click
- 15) Ability to navigate diagrams by: double-clicking on a parent node, clicking on an instance on the hierarchy browser or clicking on the "breadcrumbs"
- 16) Customizable icons for objects based on field criteria / rules
- 17) Ability to launch a diagram page from a third-party tool (specifically CA Spectrum OneClick) by passing the appropriate search parameters

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- 18) Add/remove comments, documents, shapes and stamps (watermarks) directly from the browser
- 19) Add/remove generic nodes and links and edit their properties directly from the browser
- 20) Create inter diagram links and bend points
- 21) Restore diagram coordinate settings to its default values
- 22) Import photographs and pictures as background images to customize diagrams to customers specifications, supporting various formats such as png, jpf or gif
- 23) View assets using different colors based on status
- 24) Create network topology diagrams including color-coded status of equipment
- 25) Real-time equipment status visualization
- 26) Print a diagram to pdf
- 27) Includes reporting engine with outputs to .CSV
- 28) Ability to create ad-hoc custom summary and detailed reports by modifying existing reports or by creating reports from scratch using any data elements contained in the database
- 29) Adapters to automatically pull in data from third party monitoring solutions, CA Spectrum specifically
- 30) Schedule regular configuration polling to bring in device information from third-party data sources and reconcile the data with the existing documentation
- 31) Schedule alarm pollers for real-time status monitoring and visually color-code equipment on physical and logical diagrams to display live alarm status
- 32) Assign configuration files to devices and parse config files in text formats for automatic status changes of subcomponents
- 33) Reconcile assets in disparate inventory systems.
- 34) Perform bulk-import activities (for one-time or off-site importing processes) using the excel import utility. Import Data Center, Network Inventory and

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connectivity data.

- 35) Import existing MS Visio diagrams and translate items into template library
- 36) Import existing netViz projects and catalog and translate items into template library
- 37) Web-based and client-based access control
- 38) Provides multiple levels of access rights to users: Read-only, Read-only with Annotator rights, User with Data Entry Capabilities, Power User to modify catalog library, Administrator
- 39) Very granular password policy settings. Settings include minimum password length, expiration, minimum strength level per role, upper/lower/alpha/special character enforcement, user locking by number of attempts, among others
- 40) Granular permissions per diagram to allow access or no access to view diagrams
- 41) Supports Active Directory authentication
- 42) SHA-1 user/password hashing
- 43) Supports encryption of sensitive data being transmitted using Secure Socket Layer (SSL) Certificates
- 44) User activity logs, including failed attempts, logins, etc
- 45) Can run in a virtualized environment (license is not tied to hardware)
- 46) Supports external authentication integration

82 **IV. TERMS AND CONDITIONS – SPECIAL**

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86 **V. APPENDICES TO SCOPE OF WORK**

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90 **VI. COST PROPOSAL**

91 See following page.

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VI. BIDDING SCHEDULE

Notwithstanding any other instructions herein, you shall submit the following price information as a separate document and attach under the “Response Attachments” tab of the online bidding system for evaluation purposes:

Cost Component	Cost					Total
	Year 1	Year 2	Year 3	Year 4	Year 5	
Cost of Software						
Software Maintenance & Support (years 1-5)						
Training Costs						
Implementation/Setup Costs						
Data Conversion & Integration						
Documentation & Training Materials						
Costs for Additional Professional Services						
Any Other Costs not defined above						
TOTAL						

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Total for years 1-5 above will be used for evaluation purposes and considered to be the “Base Solution” costs. This Base Solution Cost (years 1-5) must be transferred to Total Price in Online Bidding system as well.

Optional Items:

(This cost will not be used in the evaluation but may be negotiated.)

001	1	HR	Optional Item – This item will not be used for evaluation purposes but is an optional item to handle any future programming/development/customization/consulting services. Cost for future programming/development/customization/consulting services based on hourly rate as outlined in Scope of Work above.	\$ _____/hr
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