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Quebec
K1A 0S5
Bid Fax: (819) 997-9776

SOLICITATION AMENDMENT MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution
Network and Satellite Services Division / Division des
services de satellite et de réseaux
11 Laurier St. / 11, rue Laurier
Place du Portage, Phase III, 4C2
Gatineau
Quebec
K1A 0S5

Title - Sujet IP Address Management Appliance	
Solicitation No. - N° de l'invitation T8086-110560/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client T8086-110560	Date 2012-03-08
GETS Reference No. - N° de référence de SEAG PW-\$\$EO-017-23775	
File No. - N° de dossier 017eo.T8086-110560	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2012-03-19	Time Zone Fuseau horaire Eastern Standard Time EST
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: St-Onge, Josée	Buyer Id - Id de l'acheteur 017eo
Telephone No. - N° de téléphone (819) 956-0576 ()	FAX No. - N° de FAX (819) 934-1411
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

SOLICITATION AMENDMENT 001

This solicitation amendment is raised to :

1. Amend the Request for Proposal (RFP) as detailed in Appendix 001; and
2. Provide answers to Bidders questions in relation to the Request for Proposal (RFP) as detailed in Appendix 002.

APPENDIX 001

At Annex A - Statement of Work, Appendix A - Mandatory Requirement is revised as follows:

- | | | |
|---------------|------------|--|
| DELETE | 36. | <i>Support for Templates</i> - The solution must support DHCP server templates. |
| INSERT | 36. | <i>Support for Templates</i> - The solution must support DNS server templates. |

At Annex A - Statement of Work is revised as follows:

- | | |
|---------------|---|
| DELETE | At Annex A - Statement of Work |
| INSERT | At Annex A - Statement of Work (Revised March 7, 2012)
(See ATT 2 on Merx) |

At Annex C - Form 2 Substantiation of Technical Compliance Form is revised as follows:

- | | |
|---------------|---|
| DELETE | Annex C, Form 2 - Substantiation of Technical Compliance Form |
| INSERT | Annex C, Form 2 - Substantiation of Technical Compliance Form
(Revised March 7, 2012) (See ATT 2 on Merx). |

APPENDIX 002

Question #1:

Requirement 20: Would Transport Canada change the wording of this requirement to remove the word "relational", we believe this to be irrelevant in this scenario. Relational databases are general purpose, and this proposal is for an integrated solution. Its embedded architecture should not be relevant if it performs as expected and meets the other requirements in this statement of work.

Answer #1:

Non-relational databases combine all records into a table without defining relationships between records or data items. We require a relational database to provide the ability to easily search the database based on the groupings.

Question #2:

Requirement 21: Would Transport Canada change the wording of this requirement from: Authentication Capabilities - The solution must permit administrators to be authenticated from external systems, including RADIUS, TACACS, Active Directory and LDAP.

to:

Authentication Capabilities - The solution must permit administrators to be authenticated from external systems using one of the following authentication protocols: RADIUS, TACACS, Active Directory or LDAP.

Answer #2:

To provide ourselves the maximum flexibility, we require the ability to have all authentication systems.

Question #3:

Requirement 24: Can Transport Canada clarify this requirement? In which way should a product support multiple vendors?

Answer #3:

The IPAM solution must support multi-vendors for DNS/DHCP to allow maximum flexibility and for the migration/transformation to the new system.

Question #4:

Requirement 25: Will Transport Canada accept a Discovery solution that requires an additional appliance, but is still integrated into the main IP Address Management GUI? If so, would Transport Canada please amend the pricing table to allow for this?

Answer #4:

Due to limited server co-location space, cooling and capacity requirements, the solution must not require an additional appliance.

Question #5:

Requirement 26: Would Transport Canada accept a solution that highlights discrepancies only, as opposed to requiring the users to view two separate representations of IP space? We believe this to be an effective, if not superior, solution.

Answer #5:

The solution must have the ability to generate a single report that shows the discrepancies.

Question #6:

Requirement 28: Can Transport Canada clarify the integration requirement with Microsoft and ISC DHCP? Is it Transport Canada's intention to use Microsoft and ISC-based DHCP servers in conjunction with the appliances requested in the pricing schedule? For pricing and feature validation, please provide the following information: number of Microsoft DHCP servers that require integration, number of ISC DHCP servers requiring integration, versions of ISC that require support, and base operation system and version of each of these systems.

Answer #6:

During the migration to the new IPAM solution, there will be overlap between the existing and new systems and the solution must be able to support both systems.

Question #7:

Requirement 29: Can Transport Canada clarify the requirement of viewing IP address utilization per router interface? What is the intended benefit of this? What is the problem trying to be solved?

Answer #7:

The solution must be able to provide utilization at the router interface for visibility of saturation at the router level.

Question #8:

Requirement 32: Would Transport Canada consider altering this requirement to remove "It must also be able to provide statistical projections of future depletions and alert on these conditions." We have found that there is no way to predict exhaustion of IP addresses without human analysis. Statistical projections have not been able to predict any of the boosts in IP address utilization in the last decade on a per subnet basis. This information is more useful on a holistic

network wide perspective. Furthermore, this would require keeping and analysis several years worth of IP utilization. We suggest Transport Canada instead ask for the appropriate data to be available for human analysis.

Answer #8:

The requirement is to provide a fully automated solution to manage IP addresses and avoid human errors. Automating this task is extremely beneficial.

Question #9:

Requirement 36: Can Transport Canada clarify this requirement? This appears to be a vendor specific feature name.

Answer #9:

This should read DNS Templates. Please correct to “The solution must support DNS server templates.”

Question #10:

Requirement 38: Can you clarify the requirement for "all DNS resource record types"? Many resource record types have been deprecated for over two decades, and some are vendor specific that were never commonly deployed. We would request that Transport Canada list record types that are required.

Answer #10:

The DNS Record Types are defined in IETF RFC 1035.

Question #11:

Requirement 39: Regarding RNDC controls: This implies Transport Canada plans on managing DNS in a manual, command line driven manner. Can you clarify this as it conflicts with other requirements.

Answer #11:

RNDC is mandatory to allow the client to manually reload zones if needed during an outage.

Question #12:

Requirement 42: What does Transport Canada consider to be a node in this case?

Answer #12:

A node is any device that has an IP address and MAC address. Please note that these devices can have multiple IP addresses and multiple MAC addresses.

Question #13:

Requirement 44: Can Transport Canada clarify this requirement? Typically, IP Address Management does not affect, nor enforce, routing. Does Transport Canada mean that they would like to track QoS as a value in a custom field of a network, and allow administrators to view this data, and perhaps browse by this data?

Answer #13:

The client requires the ability to group networks together by QoS for viewing and managing IP addresses by QoS group.

Question #14:

Requirement 45: Can Transport Canada amend the pricing Pricing Tables in Annex B to allow for licensing related to this requirement? In addition, for verification of support, please provide: versions of VMware required for support, versions of Sun Solaris, versions of Linux, and Windows. In addition, please provide the version of ISC DHCP required for support on Linux and Solaris.

Answer #14:

The client requires a single license that may be used for hardware and software deployment. Versions: VMWare ESX 4.1, Solaris 10 and Linux 5.0.

Question #15:

Does Transport Canada expect the successful bidder to migrate Transport Canada from the existing IPAM, DNS, and DHCP solution? If so, can you please provide bidders with some background on what is being used today for IPAM, DNS, and DHCP?

Answer #15:

The client does not require the Contractor to migrate the system. The Contractor is responsible to provide setup, training and subject matter expertise as detailed in the Statement of Work.

Question #16:

Can Transport Canada amend the Pricing Table in Annex B to include an optional server for reporting purposes? Historical reporting and trending requires significant disk space and computation power. As such, it is often isolated into its own appliance as not to affect DNS, DHCP, and IPAM.

Answer #16:

The solution must provide all reporting from the single appliance. See response to Answer 4.