

Aanbesteding SURFnet8 Photonic Layer
Aanbestedende Dienst: SURFnet B.V.
Referentie:

Omschrijving:

SURFnet is searching for a Partner that can provide a solution for the SURFnet8 photonic layer. The aim of the Tender Procedure is to award a Contract to a Partner that can provide the requested hardware, software and support.

For the next generations of the SURFnet network, SURFnet requires a new photonic layer. This Tender aims to renew the bandwidth providing photonic layer, which is used for SURFnet's domestic services and potentially the Cross Border Fiber (CBF) systems.

The scope of the Contract for delivering the SURFnet8 photonic layer consists of;

1. Hardware, i.e. the physical equipment including installation related materials;
2. Software and licenses (including software interfaces (APIs)) for planning, performance monitoring, troubleshooting, fault detection, provisioning, security and accounting, automation, and programmability;
3. Layer 0 and layer 1 control plane functionality;
4. Training and periodic training sessions for current staff and staff to be hired in the future, and external personnel;
5. A migration scenario from our existing Ciena CPL and DWDM layer to a new solution. This may include field service support and the provision of temporary hardware;
6. High level design activities for migration, introduction of new features or equipment, and complex changes;
7. M&S (Maintenance and Support). SURFnet will stock its own spares;
8. Installation and de-installation procedures for equipment and software;
9. Delivery and setup of a test bed.

Toelichting:

Dear Madam/Sir,

Please find herewith the answers to the additional questions received so far, concerning the SURFnet8 Photonic Layer tender. Insofar this information notice contains modification and/or additions to the Request for Proposals Document and/or previous information notices (Nota van Inlichtingen), the text in this notice prevails. Please take note of this document in preparing your response.

Kind regards,

Jac Kloots
SURFnet

Nr:

Categorie Planning
Betreft Section 1.3.1, page 6 (Request for Proposals document)
Vraag

20

Looking at the timetable, the awarding of the contract is November 2016. Can you please indicate what the timelines of implementation of the different technical elements are, as requested in the document, meaning, when is the install date planning of the different technical elements.

Antwoord

Vrijgegeven: 25-07-2016

Tenderer must provide a solution which satisfies all minimum requirements and which is available per November 1 of this year. Tenderer is encouraged to also address more advanced solutions in its road map, and to work with SURFnet to further improve on technology and performance during the duration of the contract.

Nr:

Categorie Bestek/beschrijvend document

Betreft Description Node type E, page 12

21

Vraag

Node type E (page 12): We assume that Surfnet means the 1551 nm wavelength instead of the 1511 nm wavelength, so that is complements node type D. Is this correct?

Antwoord

Vrijgegeven: 28-07-2016

Yes, it should read 1551nm instead of 1511nm because 1551nm is in the C-band, where DWDM coherent interfaces are available.

Nr:

Categorie Bestek/beschrijvend document

Betreft General question

22

Vraag

Could you please confirm whether Tenderer is needed to perform the physical installation of equipment (or just fixing into racks)?

Antwoord

Vrijgegeven: 28-07-2016

SURFnet does not understand the last part of the question "(or just fixing into racks)" please explain.

SURFnet will do the physical installation of the equipment, with the exception of MR72. During the migration of the first three branches Tenderer's field services will work with SURFnet engineers for the purpose of achieving a smooth migration for the remaining branches. This will bridge any gap between training and field practice.

Nr:

Categorie Bestek/beschrijvend document

Betreft n.a.

23

Vraag

Could you please confirm if the site preparation and remediation is under responsibility of SURFnet?

Antwoord

Vrijgegeven: 28-07-2016

Yes, SURFnet will prepare the sites and resolve issues in order for the equipment to be installed.

Nr:

Categorie Bestek/beschrijvend document

Betreft Page 19

24

Vraag

Page 19, regarding a mix of D and E type nodes: How many 100G/DWDM channels have to be supported? Is that 8? Or is 2 DWDM wavelength channels sufficient (as indicated in the figures)?

Antwoord

Vrijgegeven: 29-07-2016

The figures are examples. Please refer to MR15 and MR16 for technical details. As is described on the last sentence of page 10, CWDM multiplexers may be replaced with DWDM multiplexers, it must be possible to support up to 8 DWDM channels in one access ring.