

Tender Document

**SUNET Tender for a
National Swedish WIFI Service**

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Invite to submit a tender

You are hereby invited to submit a tender for the SUNET eduroam WIFI Service.

General information on this Public Procurement

The scope of this public procurement is to purchase a National Swedish WIFI Service that will allow for the extension of the eduroam WIFI service currently deployed at higher education Institutions throughout Sweden and e.g. public libraries in Stockholm.

Further information about the eduroam service can be found at <http://www.eduroam.org/> or <http://www.eduroam.se/>.

The primary scope of this procedure is to extend the eduroam WIFI service to major public transportation hubs like airports and railway stations, as well as a broader generic coverage for cities with higher education institutions.

The service is going to be made available to both the employees and students within the higher education community in Sweden as well as foreign students and researchers visiting Sweden. The potential number of concurrent users exceeds 600.000, but 10.000 connected users at any given time is considered a maximum. The contract period will be 24 month. SUNET has the opportunity to renew the contract for an additional period of 12 months. SUNET must notify about such a renewal at least three months before the initial contract period expires.

Public procurement – chosen procedure

The procedure chosen for this procurement is the Open procedure in accordance with Chapter 4, Section 1 of the Swedish Act (2007:1091) on Public Procurement (“LOU”).

The contracting authority

The contracting authority is:

SUNET

Tulegatan 11

113 53 STOCKHOLM

SUNET:s contact person:

Hans Wallberg

Address:

SUNET

Tulegatan 11

113 53 STOCKHOLM

e-mail: hans.wallberg@sunet.se, phone: +46(0)705455938

Contract period and renewal

The contract period shall be 24 months. The contract is expected to commence directly after it has been signed. SUNET shall have the opportunity to renew the contract for an additional period of 12 months. SUNET shall notify about such a renewal at least three months before the initial contract period expires.

Timing

Replies shall be submitted to SUNET, no later than 17:00 UTC, Monday the 14th of May 2012. Replies shall be sent by email to: tender-eduroam2012@sunet.se
Replies not received before the end of the deadline will not be considered.

Important notice

By submitting your Request for Proposal you accept the following terms:

- That SUNET will not cover any costs connected to or resulting from participation in the Tender Procedure.
- That SUNET reserves the right not to proceed with the Tender Procedure and SUNET is entitled to terminate the process at any time, without any liability or compensation towards you.
- That Swedish law to the exclusion of any other national law shall govern the Tender Procedure and the contract.

Clarification of the tender documents during the tender period

If the tender document is unclear or if some of the required criteria is deemed unreasonable, excessive or limiting the competition in any respect, it is important that the SUNET contact person is contacted as early as possible so that any misunderstandings can be avoided.

All questions regarding the procurement, contract documents or tender shall be asked via e-mail to: tender-eduroam2012@sunet.se no later than 10 days before the last day of submittal of tenders. Questions received after this deadline will not be answered.

Questions and replies of general interest will be made available to all Tenderers in anonymous form no later than 6 days before the last day of submittal of tenders at <https://portal.nordu.net/display/SUNETtender/SUNET+eduroam+tender>

Tender Opening

The opening of tenders will be in accordance with Chapter 9 Section 7 LOU and take place at 10:00 UTC, Tuesday the 15th of May 2012 at:
Tulegatan 11, 2tr SE-113 53 Stockholm Sweden

Reply requirements

The Supplier shall reply to all elements in the Tender Reply Form.

- Legal and Financial
 - Cost in SEK/year
 - Shall requirements
- Technical
 - Shall requirements
 - Should requirements

The Tender *shall* be valid until August 31st, 2012.

The Contract is expected to be completed during June 2012.

Evaluation of tenders

The tender evaluation will be based on a points system for both financial and technical criteria as specified in the tender reply form.

The contract award criteria will be “the most technically and economically advantageous tender”.

The overall evaluation weights are:

Legal and Financial 40%

Based on the overall cost of the service per year.

Technical 60%

The requirements includes a series of shall requirements that disqualifies the Candidate if not fulfilled and a number of should requirements and coverage descriptions, that earns points if fulfilled.

All requirements will be converted to a point score, with 100 points as the maximum achievable, as described in the tender reply form. The tenderer with the highest point score will be awarded the contract

Secrecy

All documents submitted to SUNET is considered incoming document under the Freedom of Press Act Chapter 2 § 6. Under this law, Swedish citizens have the right to inspect public documents. This also means that the Tenderer is unable to recover a tender in original.

The Swedish Secrecy Act (2009:400) (“SSA”) regulates issues concerning document privacy and confidentiality. During a public procurement an absolute secrecy applies until the contract award decision is made public according to Chapter 19 § 3 SSA. This means that all data e.g. on the number of tenders, the content of the

tenders and information about the Tenderers are secret until the contract award decision has been made public or the public procurement is completed in any other way. The Tenderer may, under certain circumstances, claim continued secrecy after this period according to Chapter 31 § 17 of the SSA. The assessment of continued secrecy can only be made by SUNET. However, it is possible for a Tenderer to make a request for continued secrecy in the tender. By this the Tenderer informs SUNET how the Tenderer has assessed the material. Such information may also be helpful for SUNET's oncoming decision on the continued secrecy. Such a request from the Tenderer for continued secrecy shall be in writing and contain:

- a request that the document shall be kept confidential
- a specification on what parts of the document that are subject to the request.
- a specification on the damage that may occur if the information is disclosed.

Such information, which the Tenderer would like to keep confidential, should be collected in a separate annex, which easily can be separated from the rest of the tender. It should be noted that a request for continued secrecy will not automatically lead to such a decision by SUNET. Such a request is rather an information for SUNET's future assessment on the matter. Therefore SUNET cannot guarantee that a document will not be disclosed and the Tenderers should also be informed that a decision on continued secrecy by SUNET can also be altered after an appeal and a court decision that a document should be disclosed.

Contract award decision

After SUNET's evaluation of the tenders a contract award decision will be communicated to the Tenderers. In this decision information will be given on what tender that has been considered the most technically and economically advantageous one according to the tender document and thus has been awarded the contract. Along with the contract award decision a procurement protocol on the evaluation will also be distributed according to Chapter 9 § 12 LOU.

Stand still period and Contract

After communicating the contract award decision SUNET will observe the legally binding standstill period of ten days according to Chapter 16 § 6 LOU. After this a contract will be signed with the most technically and economically advantageous Tenderer in accordance with the tender documents and the contract award decision. However such signing of contract is dependent on that the contract award decision is not subject to an appeal under Chapter 16 of the LOU.

Requirements

1. Legal and financial

For foreign Candidates all documents and information, where applicable, may be submitted in the form that is available in the country where the Candidate is established.

1. The Tender *shall* be filed in the English language.
2. The Candidates *shall* provide the information requested in accordance with Appendix 2.
3. Exclusion criteria under Chapter 10 LOU
Candidates shall not be convicted of the offenses specified in Chapter 10, section 1, LOU, i.e.
 1. such crime as referred to in Article 2.1 of the Joint Action of 21 December 1998 adopted by the Council on the basis of Article K.3 of the Treaty on European Union, on making it a criminal offence to participate in a criminal organization in the Member States of the European Union (1) (98/733/JHA);
 2. corruption as defined in Article 3 of the Council Act of 26 May 1997 drawing up, on the basis of Article K.3 (2) (c) of the Treaty on European Union, the Convention on the fight against corruption involving officials of the European Communities or officials of Member States of the European Union and Article 3.1 of the Joint Action of 22 December 1998 adopted by the Council on the basis of Article K.3 of the Treaty on European Union, on corruption in the private sector (98/742/JHA);
 3. fraud within the meaning of Article 1 of the Convention Drawn up on the basis of Article K.3 of the Treaty on European Union, on the protection of the European Communities' financial interests, or
 4. money laundering as defined in Article 1 of the Council Directive of 10 June 1991 on prevention of the use of the financial system for the purpose of money laundering (91/308/EEC), amended by Directive 2001/97/EC of the European Parliament and of the Council.If the Candidate is a legal person, the Candidate shall be excluded if a representative of the legal person has been sentenced for the offence.
Candidates *shall* in this respect sign the affidavit, attached as Appendix 3.
4. Candidates shall not be subject to conditions specified in Chapter 10, Section 2, LOU, i.e.:
 1. is bankrupt or is being wound up, is under compulsory administration or is the subject of a composition or has indefinitely stopped their payments or is subject to a prohibition on conducting business,
 2. is the subject of proceedings for a declaration of bankruptcy, for an order for compulsory winding up or administration by the court or composition or

- any other similar proceedings,
3. has been convicted by a judgment which has the force of res judicata for an offence relating to professional practice,
 4. has been guilty of grave professional misconduct and the contracting authority can prove this,
 5. has not fulfilled their obligations relating to social insurance charges or tax in their own country or in the country where the procurement is being conducted, or
 6. in some essential respect has failed to provide information requested or provided incorrect information required pursuant to this provision.

If the Candidate is a legal person, the Candidate may be excluded if a representative for the legal person has been sentenced for an offence referred to in the first paragraph

Candidates *shall* in this respect sign the affidavit, attached as Appendix 3.

5. Candidates *shall* have fulfilled its obligations relating to social security contributions and taxes.
6. Candidates shall comply with lawful requirements for registration, tax and fee obligations.
7. Registration certificate from the Companies Registration Office or equivalent authority *shall* be attached.
8. Candidates *shall* have a stable economic position relative to the object procured. The Candidate's turnover reported to the Companies Registration Office, or equivalent authority, for the last completed financial year should be at least EUR 500.000.
9. An annual report from the last finalized financial year *shall* be attached

2. Technical

2.1 Coverage

1. The service *shall* have the ESSID-name "eduroam" broadcasted to all WIFI Access Points that is part of the service
2. The Tenderer *shall* state for each of the locations in the coverage section in appendix 1 how many unique Access Points broadcasting ESSID "eduroam" are available
3. All WIFI hotspot locations, buildings and open spaces, covered as part of the service *shall* be documented with street addresses, GPS coordinates or similar

2.2 Security and Access Control

1. The service *shall* support IEEE 802.1x
2. The service *should* support WPA enterprise (WPA/TKIP)
3. The service *shall* support IEEE 802.11i, WPA2 enterprise (WPA2/AES)
4. The service *should* support IEEE 802.11r, Fast roaming

5. The service should support IEEE 802.11w, MFP
6. The service *shall* support authentication based on Radius and any tunneled EAP method to be proxied to a SUNET supplied Radius server
7. The service *shall* log based on Radius Accounting
8. The service should support Radius RADSEC (Radius over TCP/TLS)

2.3 Integration

1. The service *shall* authenticate based on Radius+EAP against SUNET's radius infrastructure.
2. The service *shall* be able to authenticate towards at least two redundant radius servers.

2.4 Network and Connectivity

1. The service *shall* support IEEE 802.11g (2.4 GHz)
2. The service *shall* support IEEE 802.11n (2.4GHz MIMO-based)
3. The service *should* support IEEE 802.11a (5 GHz)
4. The service *should* support IEEE 802.11n (5GHz MIMO-based)
5. The service *should* support IEEE 802.11u
6. The traffic to the service *shall* be routed via the SUNET network, e.g. using DHCP helper or offloading traffic at exchange points
7. The service *should* support IPv6 networking for the clients (RA, DHCPv6)
8. The service *should* support IPv6 "first hop security", (RA guard etc.)
9. The service *shall* be redundantly connected towards SUNET.

Appendix 1: Tender reply form

Legal and financial

The financial evaluation is based on the lowest total cost per year.

Description	Cost in SEK/year
Total cost for the service per year in SEK ex. VAT	

The Tender with the lowest cost per year will be awarded 40 points.

The other Tenderers will be awarded points that are relative to cheapest offer in SEK according to the following formula:

$$\frac{\text{lowest cost/year offered by any tenderer}}{\text{cost/year offered by the Tenderer}} * 40$$

Shall requirements

Type yes or no in the respective columns, indicating if a shall requirement is fulfilled or not.

If a requirement is not answered, it is regarded as not being fulfilled.

Number	Description	Yes	No
1.1	The Tender shall be filed in the English language.		
1.2	The Candidates shall provide the information requested in accordance with Appendix 2.		
1.3	Candidates shall comply with the exclusion criteria under Chapter 10 LOU section 1, Candidates <i>shall</i> in this respect sign the affidavit, attached as Appendix 3.		
1.4	Candidates shall not be subject to conditions specified in Chapter 10, Section 2, LOU Candidates <i>shall</i> in this respect sign the affidavit, attached as Appendix 3.		
1.5	Candidates <i>shall</i> have fulfilled its obligations relating to social security contributions and taxes.		
1.6	Candidates shall comply with lawful requirements for registration, tax and fee obligations.		
1.7	Registration certificate from the Companies Registration Office or equivalent authority <i>shall</i> be attached.		
1.8	Candidates <i>shall</i> have a stable economic position relative to the object procured. The Candidate's turnover reported to the Companies Registration Office, or equivalent authority, for the last completed financial year should be at least EUR 500.000.		
1.9	An annual report from the last finalized financial year <i>shall</i> be attached		

Technical

The tenderer with the highest amount of access points at each location will be awarded the full score of that particular location. The other tenderers will be normalized to the Tenderer with highest amount of access points offered according to this formula:

$$\frac{\text{Amount of Acces Points announcing ESSID "eduroam" offered by Tenderer}}{\text{Highest amount of Access Points announcing ESSID "eduroam" offered by any tenderer}} * \text{weight}$$

Scores for each vendor in each subsection will be summarized and the Tenderer with the highest score for each subsection will be awarded the full the score of that particular subsection. The other tenderers will be normalized to the highest score according to this formula:

$$\frac{\text{Tenderers total subsection score}}{\text{Highest subsection score received by any tenderer}} * \text{"subsection weight"}$$

The coverage subsections with weight are:

1. Coverage at Railway stations or similar, 10 points
2. Coverage at Railway stations (other), 5 points
3. Coverage at airports, 20 points
4. Coverage in University cities, 15 points

Coverage at railway stations or similar, subsection weight 10 points

Coverage at Railway stations or similar	Weight	Amount of Access Points that will announce ESSID eduroam
Borås Järnvägsstation	0.02	
Borlänge Järnvägsstation	0.02	
Falun Järnvägsstation	0.005	
Gävle Järnvägsstation	0.025	
Göteborg Stationshus	0.1	
Halmstad Järnvägsstation	0.015	
Härnösands Centralstation	0.01	
Jönköping Järnvägsstation	0.03	
Kalmar Järnvägsstation	0.03	
Karlshamn Järnvägsstation	0.005	
Karlskrona Centralstationen	0.01	
Karlstad Järnvägsstation	0.03	
Kristianstad Järnvägsstation	0.025	
Linköping Järnvägsstation	0.05	
Luleå Järnvägsstation	0.025	
Lund Järnvägsstation	0.08	
Malmö Järnvägsstation	0.04	
Örebro Järnvägsstation	0.03	
Östersund Järnvägsstation	0.01	
Skövde Järnvägsstation	0.015	

Sundsvall Järnvägsstation	0.01	
Trollhättan Järnvägsstation	0.02	
Umeå Järnvägsstation	0.07	
Uppsala Centralstation	0.07	
Västerås Järnvägsstation	0.025	
Växjö Järnvägsstation	0.03	
Visby bussterminal	0.01	
Cityterminalen Stockholm	0.05	
Stockholm Centralstation	0.14	

Coverage at railway stations (other), subsection weight 5 points

Coverage at Railway stations (other)	Weight	Amount of Access Points that will announce ESSID eduroam
Alingsås Järnvägsstation	0.03	
Älmhult Järnvägsstation	0.03	
Alvesta Järnvägsstation	0.03	
Ängelholm Järnvägsstation	0.03	
Arvika Järnvägsstation	0.03	
Avesta-Krylbo Järnvägsstation	0.03	
Båstad Järnvägsstation	0.03	
Boden Järnvägsstation	0.03	
Bollnäs Järnvägsstation	0.03	
Degerfors Järnvägsstation	0.03	
Eskilstuna Järnvägsstation	0.03	
Eslöv Järnvägsstation	0.03	
Falköping Järnvägsstation	0.03	
Flemingsberg Järnvägsstation	0.03	
Flen Järnvägsstation	0.03	
Hallsberg Järnvägsstation	0.03	
Hässleholm Järnvägsstation	0.03	
Herrljunga Järnvägsstation	0.03	
Hudiksvall Järnvägsstation	0.03	
Katrineholm Järnvägsstation	0.03	
Kristinehamn Järnvägsstation	0.03	
Kumla Järnvägsstation	0.03	
Nässjö Järnvägsstation	0.03	
Norrköping Järnvägsstation	0.03	
Nyköping Järnvägsstation	0.03	
Sala Järnvägsstation	0.03	
Söderhamn Järnvägsstation	0.03	
Uddevalla Järnvägsstation	0.03	
Vänernborg Järnvägsstation	0.03	
Varberg Järnvägsstation	0.03	

Värnamo Järnvägsstation	0.03	
Enköping Järnvägsstation	0.03	
Södertälje Syd Järnvägsstation	0.03	

Coverage at airports, subsection weight 20 points

Coverage at airports	Weight	Amount of Access Points that will announce ESSID eduroam
Åre Östersund Airport	0.04	
Arlanda Flygplats Terminal 2 & 3	0.1	
Arlanda Flygplats Terminal 4	0.1	
Arlanda Flygplats Terminal 5	0.2	
Bromma Flygplats	0.1	
Kiruna Airport	0.02	
Landvetter Airport	0.12	
Luleå Airport	0.04	
Malmö Airport	0.08	
Ronneby Airport	0.04	
Sundsvall-Härnösand Airport	0.04	
Umeå City Airport	0.08	
Visby Airport	0.04	

Coverage in University cities, subsection weight 15 points

Coverage in University cities	Weight	Amount of Access Points that will announce ESSID eduroam
Borås	0.02	
Borlänge	0.02	
Falun	0.01	
Gävle	0.02	
Göteborg	0.10	
Halmstad	0.02	
Härnösand	0.01	
Jönköping	0.03	
Kalmar	0.03	
Karlshamn	0.00	
Karlskrona	0.01	
Karlstad	0.03	
Kristianstad	0.02	
Linköping	0.05	
Luleå	0.02	
Lund	0.08	
Malmö	0.04	
Örebro	0.03	
Östersund	0.01	

Skara	0.00	
Skövde	0.01	
Stockholm	0.19	
Sundsvall	0.01	
Trollhättan	0.02	
Umeå	0.06	
Uppsala	0.07	
Västerås	0.02	
Växjö	0.03	
Visby	0.01	

Should requirements, subsection weight 10 points

Type yes in the yes column if the respective *should* requirement is fulfilled.

Number	Description	Weight	Yes	No
2.2.2	The service should support WPA enterprise (WPA/TKIP)	0.24		
2.2.4	The service should support IEEE 802.11r, Fast roaming	0.02		
2.2.5	The service should support IEEE 802.11w, MFP	0.07		
2.2.8	The service should support Radius RADSEC (Radius over TCP/TLS)	0.05		
2.4.3	The service should support IEEE 802.11a (5 GHz)	0.24		
2.4.4	The service should support IEEE 802.11n (5GHz MIMO-based)	0.24		
2.4.5	The service should support IEEE 802.11u	0.02		
2.4.7	The service should support IPv6 networking for the clients (RA, DHCPv6)	0.07		
2.4.8	The service should support IPv6 "first hop security", (RA guard etc.)	0.05		

Shall requirements

Type yes or no in the respective columns, indicating if a shall requirement is fulfilled or not.

If a requirement is not answered, it is regarded as not being fulfilled.

Number	Description	Yes	No
2.1.1	The service shall have the ESSID-name "eduroam" broadcasted to all WIFI Access Points that is part of the service		
2.1.2	The Tenderer shall state for each of the locations in the coverage section in appendix 1 how many unique Access Points broadcasting ESSID "eduroam" are available		

2.1.3	All WIFI hotspot locations, buildings and open spaces, covered as part of the service shall be documented with street addresses, GPS coordinates or similar		
2.2.1	The service shall support IEEE 802.1x		
2.2.3	The service shall support IEEE 802.11i, WPA2 enterprise (WPA2/AES)		
2.2.6	The service shall support authentication based on Radius and any tunneled EAP method to be proxied to a SUNET supplied Radius server		
2.2.7	The service shall log based on Radius Accounting		
2.3.1	The service shall authenticate based on Radius+EAP against SUNETs radius infrastructure.		
2.3.2	The service shall be able to authenticate towards at least two redundant radius servers.		
2.4.1	The service shall support IEEE 802.11g (2.4 GHz)		
2.4.2	The service shall support IEEE 802.11n (2.4GHz MIMO-based)		
2.4.6	The traffic to the service <i>shall</i> be routed via the SUNET network, e.g. using DHCP helper or offloading traffic at exchange points		
2.4.9	The service shall be redundantly connected towards SUNET.		

Date and place

Signature by authorized representative

Name in print

Appendix 2: Contact and Company information

The Candidate

Name of the Company	
Organization nr	
Address	

Contact

Name	
Position	
Phone number	
Cell phone	
Telefax	
E-mail	

Signature by authorized representative

Name in print

Appendix 3: Affidavit

We hereby certify that the company.....with registration number.....and the owner and/or partners or persons who by their position in the Company is/are its representatives

- is not bankrupt or is being wound up, is not under compulsory administration or subject of a composition or has indefinitely stopped its payments or is subject to a prohibition on conducting business,
- is not the subject of proceedings for a declaration of bankruptcy, for an order for compulsory winding up or administration by the court or composition or any other similar proceedings,
- has not been convicted by a judgment which has the force of res judicata for an offence relating to professional practice,
- has not been guilty of grave professional misconduct and the contracting authority can prove this,
- has fulfilled its obligations relating to social insurance charges or tax in their own country or in the country where the procurement is being conducted, or
- has not in some essential respect failed to provide information requested or provided incorrect information required pursuant to this provision.

Is not convicted of such crimes listed in Chapter 10 Section 1 LOU, which includes:

- participation in a criminal organization
- moneylaundering
- fraud
- bribery

.....
City/Date

.....
Signature of authorized representative

.....
Name in print