![Food and Agriculture Organization of the United Nations](FAO logo)

**Food and Agriculture Organization
of the United Nations**

## CALL FOR EXPRESSIONS OF INTEREST

### Network Engineer

Contract duration: **3 months**

Vacancy No. IRC3571

Deadline for Applications: **23 September 2016**

## Tasks and responsibilities:

Under the overall supervision of the IT Architect, CIO and in close collaboration with the IT Officer for Decentralized Offices and Global IT Infrastructure, CIO, the incumbent will ensure the successful redesign of the network in FAO's Headquarters in Rome. The incumbent will be responsible for all network activities related to the implementation of the new network devices and of the reconfiguration/consolidation of existing devices as follows:

- Document current data centre network diagrams physical/logical and data centre traffic volumes
- Install and configure the new data centre firewalls
- Install and configure the new Internet router for high availability with existing infrastructure
- Review and configure the F5 firewalls in line with new proposed network architecture
- Consolidate corporate firewalls and deploy/configure network devices to increase redundancy and high availability of LAN and internet access;
- Raise LAN switching/routing to ISO layer 3 by extending VLAN routing and introducing VRF-security zoning;
- Clean-up cabling in the data centre freeing up unused ports and network devices;
- Clean-up and implement access layer redundancy within the 32 floor wiring concentrators across FAO HQ;
- Upgrade the wireless controller and update the HQ wireless network infrastructure;
- Review and implement monitoring tool configuration changes to ensure coverage of entire infrastructure;
- Update technical documentation and operational procedures related to the network infrastructure and train technical support staff for day to day operational management.

All work will be performed in line with existing FAO IT policies and procedures, following ITIL best practices and all documentation/status reports will be prepared in English.

| Expected Outputs: | Required Completion Date: |
|---|---|
| • Core switch physical/logical diagrams documented | • 07.10.2016 |
| • Data centre traffic volumes assessed | • 07.10.2016 |
| • Plan for firewall optimization, internet router configuration, access layer redundancy and VLAN segmentation documented | • 14.10.2016 |
| • New data centre firewall installed and configured | • 28.10.2016 |
| • F5s reconfigured in line with new network architecture | • 28.10.2016 |
| • New internet router installed and configured for high availability | • 14.11.2016 |
| • Corporate firewalls consolidated | • 14.12.2016 |
| • Detailed network diagrams of all FWs and of data centre available | • 14.12.2016 |
| | • 14.12.2016 |

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|---|---|
| • Old switches and network devices decommissioned as per FAO procedures | • 14.12.2016 |
| | • Ongoing |
| • Change Management procedure followed for all configuration changes | • Bi-weekly |
| • Network device decommissioning reports presented | • Ongoing |
| • Status reports with successful network throughput test results written and submitted in clear and concise English | • Monthly |
| • Make presentations of the new network infrastructure to key stakeholders | • Daily |
| • Time reported in Jira | |

## Candidates should meet the following requirements:

**Minimum Requirements**

*Academic Qualifications*

University degree in Computer Sciences, Information Technology, Engineering or other closely related fields.

*Technical/Functional Skills and Experience Requirements*

- The ideal candidate will be a professionally qualified IT expert and have at least 5 year experience in the relevant field
- Cisco CCNA certification and/or Juniper FWV Specialist (JNCIS-FWV) certification are required.
- Demonstrated knowledge and experience in network infrastructure design, implementation and management
- Proven experience and understanding of high availability network infrastructure
- Proven working experience installing and managing F5 firewalls and Juniper firewalls
- Previous working experience with UN and/or international organizations is considered an asset
- Strong communication skills, networking and teamwork is required
- Fully acquainted with and capable of facing multitasking environment, meeting tight deadlines and handling matters related to IT and procurement in a professional manner
- Candidate must have the ability to work harmoniously with people of different national and cultural backgrounds.

*Competencies*

- Results Focus
- Teamwork
- Communication
- Building Effective Relationships
- Knowledge Sharing and Continuous Improvement

**Selection criteria**

- years of experience
- field of work and area of speciality
- education
- language
- assessments through interview

**Additional Information**

Payment conditions:  the daily honorarium will be paid monthly on when-actually-employed basis and will be defined depending on relevant qualifications and work experience up to within a range from 180 Euros to 220 Euros.

Schedule of work: The incumbent will be required to work and be present on the premises during the standard office hours of the duty station (from 8.30 till 17.00 for HQ), unless otherwise agreed with the supervisor. The working time will be reported in the internal timesheet system.

FAO seeks gender, geographical and linguistic diversity in its staff and international consultants in order to best serve FAO Members in all regions.

All candidates should adhere to FAO values of Commitment to FAO, Respect for All and Integrity and Transparency.

**How to apply**

All applications are to be made through FAO's **iRecruitment** system. Click on the link below to access **iRecruitment**, complete your online profile and apply for this Call for Expression of Interest.

**http://www.fao.org/employment/irecruitment-access/en/**

In order for your application to be properly evaluated, please ensure that all sections of your iRecruitment account are completed. Incomplete applications will not be evaluated.

If you need help, or have queries, please contact: **iRecruitment@fao.org**