ｆ　学内ネットワークとｅｄｕｒｏａｍを共存できること。
基幹ネットワークやセキュリティシステムなど全体的な提案を行った各社に対し、提案資料の記載内容に基づくヒヤリングを実施する予定である。また、機器やソフトウエア単体の提案も、必要に応じて、ヒヤリングをお願いする場合がある。

⑹　開催日時　平成29年11月２日

⑺　開催場所　新潟大学情報基盤センター会議・講習会室

２　資料及びコメントの提供方法　上記１⑵の物品に関する一般的な参考資料及び同⑸の要求要件等に関するコメント並びに提供可能なライブラリーに関する資料等の提供を招請する。

⑴　資料等の提供期限　平成29年10月27日17時00分（郵送の場合は必着のこと。）

⑵　提供先　〒950―2181 新潟市西区五十嵐二の町8050番地　新潟大学財務部財務管理課学系等契約係　五十嵐義和　電話025―262―7671

３　説明書の交付本公表に基づき応募する供給者に対して導入説明書を交付する。

⑴　交付期間　平成29年９月21日から平成29年10月27日まで。

⑵　交付場所　上記２⑵に同じ。

４　説明会の開催本公表に基づく導入説明会を開催する。

⑴　開催日時　平成29年９月28日13時10分

⑵　開催場所　新潟大学情報基盤センターＢ棟会議・講習会室

５　その他　この導入計画の詳細は導入説明書による。なお、本公表内容は予定であり、変更することがあり得る。

６　Summary

⑴　Classification of the products to be procured : 14, 27

⑵　Nature and quantity of the products to be rent : Niigata University Information Network System 1 Set

⑶　Type of the procurement : Rent

⑷　Basic requirements of the procurement : Since 2014, Niigata University Information Network System (NINES) has provided network connection services for education and research. However, considering social requirements for national universities, it is strongly required to enhance security measures as well as provide a high speed and stable network. Therefore, the procurement focuses on “enhancement of cyber security measures”. Key factors of the procurement are i) building a network security monitoring system in 24 hours a day, ii) blocking the traffic to C&C servers and information leaks, iii) disconnecting a terminal that causes a security incident from the campus network, and iv) managing IP addresses intensively and strictly.

The network system to be procured should be composed of Core Network Switches, Faculty Area Network Switches, Authentication Edge Switches, Security System for Off-campus Connection, IP Address Management System, Network Management and Monitoring System, and Wireless LAN System. Since Niigata University has two campuses at Ikarashi and Asahimachi areas, network connection between two campuses should be established Especially, we are interested in proposal to establish multi-homed network environment for the two areas, where Security System for Off-campus Connection is placed at a SINET data center. The procurement includes connections to distant areas such as Ekinan, Sado, Muramatsu and Shindori areas (but does not include access lines).

A　Core Network Switches
- a　10Gbps or higher link speed is required to connectintra-campus switches.
- b　2Gbps or higher link speed is required to connect inter-campus switches.
- c　support VLAN features.

B　Faculty Area Network Switches
- a　10 Gbps or higher link speed is required to connect the core network switches.
- b　support L3 features.
- c　support VLAN features.
- d　The number of switches is reduced as few as possible by using features such as virtual switching.

C　Authentication Edge Switches
- a　10Gbps or higher link speed is required to connect the faculty area network switches.
- b　1Gbps or higher link speed is required at all ports of the switches.
- c　support authentication functions using authentication servers.
- d　support user authentication functions working with any kind of PC clients.
- e　support MAC address authentication functions.
- f　authenticate devices connected under the existing switches in each room.
- g　support MAC address based VLAN features that can assign multiple VLANs to a single port.
- h　The number of switches is reduced as few as possible by using features such as virtual switching.
- i　Authentication servers are required.

D　Security System for Off-campus Connection
- a　requires barrier networks.
- b　provides access control services using firewalls.
- c　The firewalls work with virus gateway servers.
- d　monitors secure computer and network operations, and blocks unauthorized connections by mean of an outer SOC.
- e　provides VPN connection services.
- f　stores access logs for a given period and provides a function of finding the corresponding user and the destination IP address easily in the case of security incidents.
- g　is handled as a main tool in the quick security response.

E　IP Address Management System
- a　support DHCP features.
- b　Database for IP address management is required.
- c　Web based management tool of IP and MAC addresses is required.

F　Network Management and Monitoring System
- a　provides network management function.
- b　provides network monitoring and log data gathering function.
- c　has a log server and provides a function of storing and maintaining syslog from network devices, access logs,and authentication logs.
- d　provides remote maintenance function.

G　Wireless LAN System
- a　Controllability of all access points by a central management system is required.
- b　support user authentication functions using authentication edge switches.
- c　support wired LAN authentication functions as well as wireless LAN authentication functions.
- d　support connection from not only PCs but also as many wireless devises as possible.
- e　provides a function of detecting radio interference and a function of automatically configuring the transmission power and the channel.
- f　support coexistence of the campus network and eduroam.

⑸　Time limit for the submission of the requested material : 17 : 00　27 October, 2017

⑹　Contact point for the notice : Yoshikazu Ikarashi, Financial Management section, Niigata University, 8050 Ikarashi 2-no-cho Nishi-ku Niigata-shi 950―2181 Japan, TEL 025―262―7671