㈡　必要に応じて仮想化基盤を適用し、また、ＤＮＳやバックアップシステムなど、一部システムはクラウド環境に構築可能であることが望ましい。

㈢　ＩＰアドレス体系を移行させた実績があること。500台以上の案件実績が望ましい。グローバルＩＰアドレス体系をローカルＩＰアドレス体系に移行させた実績が望ましい。

㈣　障害の有無やリソースの把握を可能とする運用管理ツールを含むこと。本調達外の機器も管理対象に含むことができることが望ましい。

㈤　システムの障害を未然に防止し，また障害発生時には即時に対応できるようなサポート体制が提供されること。

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５月12日17時00分（郵送の場合は必着のこと。）

⑵　提供先　〒431－3192　浜松市東区半田山１－20－１　浜松医科大学会計課専門職員（契約担当）　大保　智則　電話053－435－2148

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４月11日から平成29年５月12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４月18日10時00分

⑵　開催場所　浜松医科大学管理棟２階第二会議室

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

⑵　Nature and quantity of the products to be rent : Information and Communication System for the university 1 Set

⑶　Type of the procurement : Rent

⑷　Basic requirements of the procurement :

ⓐ　This system shall consist of various servers, terminal computers, and other related equipment. More specifically, the following items shall be included : DNS servers, Web servers, e-mail servers, statistical processing software license servers, numerical operation servers, training room monitor switch systems, Web proxy servers, authentication servers, statistical analysis servers, university information database systems, faculty evaluation systems, thin client systems, file shared servers, backup servers, academic affairs information systems, certificate issuance systems, library operation systems, academic repository servers, IC card identification issuance systems, and collaborating Active Directory account creation systems, multi-homed edge routers, firewalls, L3 core switches, and floor switches.

ⓑ　To be compatible with existing equipment, it is expected that those switches support CDP (Cisco Discovery Protocol).

ⓒ　It is expected that the firewall is capable of restricting communications recognizing applications, and is also capable of preventing unknown malware.

ⓓ　The firewall is expected to be capable of restricting communications in FQDN notation.

ⓔ　The firewall is expected to be capable of detecting communications with C&C (Command and Control) and restrict as necessary.

ⓕ　Partial application of DHCP is envisioned. It is desirable to have a system of which access log is recorded in devices in the communication path when each terminal connects to the internet, and the terminal is specified by checking each log through simple steps.

ⓖ　In wired equipment, it is desirable that the connected devices, L2 switch and port, should be specified based on the information from the IP address and MAC address.

ⓗ　It is desirable to have a system that can restrict not only external communications, but also communications within the university according to network policy.

ⓘ　This university uses Microsoft Office 365. The Azure Active Directory and on-campus AD information shall be securely synchronized.

ⓙ　It is desirable that the configuration supports the academic certificate access management federation constructed in collaboration with universities across the country and NII.

ⓚ　It is desirable to have a function to check the vulnerability of on-campus servers.

ⓛ　Shall include a commission service for remote controlled network monitoring／operation to detect unauthorized entry.

ⓜ　Shall include a management tool to collect and search event logs／syslog／SNMP traps, etc., on servers and network devices. It is desirable to be managed in an integrated fashion.

ⓝ　Shall have a function to record data input／output of file sharing servers and browse easily.

ⓞ　It is desirable that the process between terminal power-on and login completion of the thin client system is complete within one minute.

ⓟ　The administrative office in the university shall be capable of implementing a remote help desk to the thin client terminals.

ⓠ　It is expected that the thin client terminals be capable of restricting the USB usage that designates users／terminals／USB storage devices.

ⓡ　Thin client terminals shall support the CBT test.

ⓢ　It is desirable that thin client terminals are capable of preventing unknown malware as endpoint security.

ⓣ　Shall provide a wireless network system that covers the entire campus. The access points shall be self-supported and equipped with management tools.

ⓤ　Shall have an authentication system that can limit to only terminals used by regular users when a connection to the campus network is attempted by terminals other than this procurement. The system shall be capable of collecting the MAC addresses of authentic terminals. The system shall also be capable of prompting the voluntary input of user information attributes at the time of initial authentication. It is desirable that the following are implemented by user terminals through simple steps assuming an electronics application system :

①　Application by users ;

②　Authorization and notifications by the administrator ;

③　Authorization setting on communication devices.

ⓥ　It is desirable to apply the virtualization base as necessary, and that some systems such as DNS and backup systems can be constructed in the cloud.

ⓦ　Should have a successful track record in terms of transferring IP address systems. Experience in projects with more than 500 units is desired. It is desirable to have successful results in terms of transferring the global IP address system to the local address system.

ⓧ　Shall include an operation management tool that enables one to grasp the presence or absence of failures and resources. It is desirable that devices outside this procurement are also covered in management objectives.

ⓨ　Shall provide a support system that is capable of preventing system failures and capable of taking prompt action when a failure actually occurs.

⑸　Time limit for the submission of the requested material : 17 : 00　12 May, 2017