R　全てのデータをデータウェアハウスに収容し、一元管理・検索できること。データウェアハウスはキューブを構成することで様々な検索条件に対して高速な応答性能を確保し、ユーザー要望に沿った様式での印刷、情報抽出・データ出力ができること。文部科学省の共通ソフト、厚生労働省調査班その他、各種調査にあわせたデータ出力を行えること。ファイルメーカーPro、Microsoft Access、InfoPath等から、本システムのデータベースと入出力ができること。

S　経済的及び機能的観点から、単一調達よりも分割調達が好ましいものは、提案すること。

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25年２月７日17時15分（郵送の場合は必着のこと。）

⑵　提供先　〒791―0295 東温市志津川　国立大学法人愛媛大学医学部経営管理課調達第二チーム　宇都宮　隆　電話089―960―5214

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25年１月７日から平成25年２月７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25年１月17日14時00分

⑵　開催場所　国立大学法人愛媛大学医学部会議室

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 : Integrated Hospital Information System 1 Set

⑶　Type of the procurement : Rent

⑷　Basic requirements of the procurement :

A　The system should be designed to generally improve the care of patients, clinical activities and hospital management at Ehime University hospital. It also should support clinical research and education. The system should have the function of integrating many sub-systems such as the systems for the medical affair office, diagnosis and treatment department, nursing department, the pharmacy, radiology, operation unit, ICU, NICU, pathology, clinical lab, clinical trial management, dialysis management, blood transfusion, central supply department, the general medical service center, nutrition, rehabilitation service and medical safety management.

B　The system must connect with legacy sub-systems and modalities, and exchange data with these systems to provide comprehensive browsing and searching for medical records.

C　The system must ensure the integrity, availability, and confidentiality of the medical records. It should authenticate users to clarify the author of the electronic patient record and time stamp to achieve accountability.

D　The system must provide 24×7 service and prevent whole system shutdown during any kind of trouble or disaster. The system must backup all data without suspending the system at any time. It should be cost-effective and have secure off-site archiving.

E　The EHR client should have dual 19-inch monitors which display high-resolution medical images to support the filmless diagnosis. And some client should have three or more over high-resolution monitors.

F　This system must support DPC coding, MEDIS disease code, patient base information, reservations (in/out patient, consultation), laboratory data (specimen, physiological, radiology, blood, and pathological), the regional healthcare network, treatment and so on. The system must support comprehensive management of master data for all department systems and enable cost-free revision of the master at the payment system revision. The master data history should be managed and synchronized with the master data at the data warehouse.

G　The system must use virtualization technology and unified storage to aggregate the servers and storage for cost saving, long-term medical record archival, and stabilizing the operation of the system. The virtualization system must support the migration of legacy systems to the new servers. The system must have a maintenance function to save the system from performance degradation even after a long period of use. The system should be able to upgrade its performance easily and cost-effectively at any time. The system should provide first response and safety thin client system using virtual desktop infrastructure or a remote desktop system. The server system providing the virtual machine infrastructure must perform so that the new system on the virtual machine is superior to the legacy system and provide fast response even at peak load time.

H　All systems must exchange data through the middleware and the middleware must provide real time data extraction and enable data-oriented event triggering. All data extracted through the middleware should be imported to the data warehouse.

I　The system must avoid medical accident by authenticating patients with barcodes on the patient's wristband and registration card.

J　The system must have an incident record and analysis feature. The ordering system must hold order information with time stamp, operator, and place, etc., for traceability and safety management. The system must provide a comprehensive review for the history of orders.

K　The system must provide uniformed interface and a comfortable work environment. The system must provide a unified client management system and have secure mobile device management features to enable "Bring your own device (BYOD)".

L　The system must have the document management feature by which any documents can have user-defined layout, export PDF and XML format, and can import documents into DWH and serve full-text search service.

M　The system must be a multi-vendor and multi-platform based open system. The system must conform to the medical information standards accredited by HELICS.

N　The system must connect with the regional healthcare network system using VPN and provides the platform for introduction and reservation management.

O　The system must bundle necessary network switches and cables to connect with the hospital information network.

P　The system provider must provide comprehensive maintenance management and operation training. The data and master data of the legacy system must be completely migrated into the new system.

Q　The physical distribution management system must provide inventory management by labeling on the supplies. The physical distribution management system must use method of moving average for counting wholesale property. The system should support SPD and electronic commerce. Every message to the medical professions division system from the ordering system and sub systems must be captured and loaded into the management analysis reporting system.

R　All data within the system must be stored in the data warehouse. DWH must have centralized administrative control over the data and provide high-speed search ability. The system must export and print many kinds of documents. The user can connect the system using end-user computing systems such as FileMaker, Microsoft Access, and InfoPath.

S　The proposer should suggest split procurements instead of bulk procurements when it seems to be more economically and functionally desirable.

⑸　Time limit for the submission of the requested material : 5 : 15 PM 7, February, 2013

⑹　Contact point for the notice : Takashi Utsunomiya, Procurement and Contracts Team Ⅱ, Management and Accounting Division, National University Corporation Ehime University School of Medicine, Shitsukawa Toon-shi 791―0295 Japan, TEL 089―960―5214