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 new system should have following functions to support the hospital management and clinical activities in the Nagasaki University Hospital.

ａ　Electronic health record system

ｂ　Ordering system : prescription, medical test, appointment, etc.

ｃ　Cooperative subsystems : medical test, radiology, drug dispensing, medical accounting, business management, etc.

ｄ　Ability to connect to external networks

B　The new system should comply with the various medical laws and guidelines.

C　The new system should be based on the three principles of the electronic medical record system record authenticity, visual readability and storage stability.

D　The new system should be able to manage and operate all business operations smoothly and comprehensively in the Nagasaki University Hospital.

E　For the safety management and quality control, various orders in the new system should assume implementation records (ex. date, practitioner, location). In addition, it should be able to display the list of records in chronological order, and save the change history.

F　The new system should have the adequate responsivity and operability to be used in medical scene.

G　The new system should have the unified operability and friendly user interface.

H　The new system should have the automatic and nonstop operation for 24 hours with the redundant configuration. The system should operation with redundant configuration in case of the system maintenances and failures.

I　In building the server of the system, the new system should support the efficiency of the computer resources, energy saving, reduction of installation space and simplification of the wiring.

J　The new system should have enough security features to ensure the safety of medical information. (Ex. The system does not store the information in the user terminal etc.) In addition, the system should take measures for computer virus.

K　In case of the user terminal failure, the new system should be easy to replace the hardware and re-setup.

L　The new system should be fully considered for BCP (Business Continuity Plan) and DR (Disaster Recovery). (Ex. Environment for remote backup)

M　The new system should take measures to secure the data confidentiality, integrity, and availability.

N　The new system should have an appropriate maintenance management system to handle the system failure or system maintenance. Especially, during the business hours of the Nagasaki University Hospital, the help-desk personnel should be stationed in our hospital.

O　The monitoring function and log information analysis function of the new system provide data for present state analysis, operations improvement and system failure response. In addition, the new system should contribute to determine the cause of the system failure by the automatic notification of failure information, self-diagnostic function etc.

P　The new system should have the administrative functions for the hospital management. (System maintenance and management, user management, access right control, viewing user access history, man management, logistics management, registered bed management and messaging function between staff)

Q　The new system should integrate the medical and dental treatment information. Even if the patient had both information, the information should be handled and controlled seamlessly.

R　The new system should authenticate the user exactly by the biometrics authentication etc. and check the validness of user access by the access record analysis.

S　The new system should have the sufficient data granularity and the function as the electronic patient record, to disclose, to store, to extract, to analyze and to reuse the medical information.

T　The new system and existing department systems should work on the same data. Thus it can shut user away from redundant input. Additionally, the new system and existing department systems should work on the same terminal efficiently at the units which need to use both systems.

U　The new system should be connected to the existing department system and equipment. Additionally, if the data communication between the new system and department system are needed, necessary information should be provided.

V　The core system, subsystem and department system should provide the single sign-on environment.

W　The new system should unify the management of various masters.

X　The new system should provide the master data based on up-to-date medical fee information. Then, the new system should be able to manage hospital's own masters, which are operated in a lump.

Y　The new system should have ability to use the risk management system and critical path system. They should be work with the electronic medical records and ordering systems.

Z　The new system should treat the scanned print data as original data. For this purpose, the scanned print data should be given the electronic signatures and time stamps to be recognized.

AA　The new system should support the online health insurance claims.

AB　The new system should have the automated medical accounting and health insurance claims by retrieving all needed ordering data.

AC　The new system should automate logistic management of medical resources accurately, by using various data (ordering, logistics and accounting).

AD　From DWH (Data WareHouse), the new system should be able to output any data for the purpose of the business analysis and academic research. For such occasions, DWH should compile various data (ordering, logistics and accounting).

AE　Mobile terminals (by smartphone etc.) for the new system should have the implementation recording, patient identification, viewing patient information and simple order function.

AF　Protocols and data forms of the new system should compliant international standard.

AG　The new system should be able to connect to regional medical networks, collaborative research networks.