

November 5, 2019

Commencement of Launch of 7th Generation Zengin System

Japanese Banks' Payment Clearing Network

In addition to “Moretime System” which started yesterday, “Coretime System” of the 7th Generation Zengin System has been also launched today without any problems.

Operated by the Japanese Banks' Payment Clearing Network (Zengin-Net) (Chairman: Hideharu Iwamoto), the Zengin System is a central system connecting financial institutions in Japan online and intensively clearing data of credit transfers.

Since commencing operations in 1973, the Zengin System has undergone several system upgrades almost every 8 years, from aspects such as increasing transaction volume, increasing number of participants and responding to technological innovations. This time, Zengin System marks the 7th generation.

The 7th Generation Zengin System retains the functions and structure of its predecessor, aiming to increase capacity and processing performance, enhance cyber security countermeasures and reduce power consumption from the perspective of improving safety and reliability.

Re-acknowledging its responsibilities as an operator of social infrastructure handling credit transfers, Zengin-Net will continue to make efforts such as increasing the efficiency and enhancement of settlement systems based on customer and financial institution needs while placing priority on stable system operations.

Comparison of the 7th and the 6th Zengin Systems

Major amendments	7th generation system (new)	6th generation system
1. Increasing capacity [※]	30 million transactions per business day by one center (20 % increase)	25 million transactions per business day by one center
2. Increase processing performance [※]	6 million transactions per hour using both center (20 % increase)	5 million transactions per hour using both center
3. Reduction of power consumption [※] (conservation of electric power of the equipment)	1,061 kVA (35% decrease)	1,630 kVA
4. Enhancing cyber security countermeasures	New security programs including fraud detection and strengthening shutoff function, etc.	Communication path control and countermeasure relating firewall, etc.
5. Strengthening the business continuity framework	Additionally, Collateral Management System installed in Osaka center.	/

※Figures above based on “Coretime System”

(Statistics of Domestic Fund Transfer System)

Number of participants (end of October 2019)	1,230 financial institutions 30,917 branches
Volume/ Value of transactions [※] (2018 fiscal year)	1.65 billion transactions (6.78 million per day) 3,001 trillion JPY (around 12 trillion per day)

※Telegraphic transfer(single) + New file transfer(bulk) including document-based transfer and payroll transfer, etc.