

## **Global Open Network Japan, Inc.**

### **Providing new payment service linked with Digital ID**

**Introducing the concept of “GO-NET MV/Card-on-file Payment Offload Service”,  
a new service for digital economy such as entertainment, e-commerce and IoT.**

Global Open Network Japan, Inc. (GO-NET Japan, Location: Chuo-ku, Tokyo, Representative Director and CEO: Shinji Tokunaga), incorporated with the purpose to provide a highly reliable and capable yet high-speed payment network through its proprietary blockchain technology, announced the product concept of a new service that supports the digital economy.

In this new “GO-NET MV/Card-on-file Payment Offload Service”, Payment Wallets linked with merchant’s digital IDs will manage provisional balance approved by the acquiring card company to process massive amount of transaction equivalent to 100k transaction/sec from the merchants, real-time.

This service will decrease the stress of merchants providing services like live-streaming events, e-commerce or IoT services using their digital IDs such as customer IDs, digital content IDs and device IDs.

“GO-NET MV/Card-on-file Payment Offload Service” is a revolutionary service that supports the various purchasing needs in the digital economy utilizing its high capacity.

#### **■ Concept of “GO-NET MV/Card-on-file Payment Offload Service”**

##### **[Background]**

The spread of 5G is driving digital-native services to expand into our daily scenes, and digital economy is becoming a reality. Digital IDs are used to capture consumer interests and daily behaviors in real time and economic society with services that are more personalized for or optimized to each consumer are expected to evolve.

Service segmentation will accelerate, business opportunities will expand, and consumer experiences are expected to be enriched.

For example, new user experiences will be provided, such as "premium camera angle viewing", "short-term trial viewing", "digital gifting", or "online shopping during a live event using AR technology (live commerce)" which may change how services will be charged, more tailored to each customers' usage and behaviors.

Moreover, in IoT business, machine-to-machine payments are expected to evolve in future daily life where humans do not interact in transaction at all.

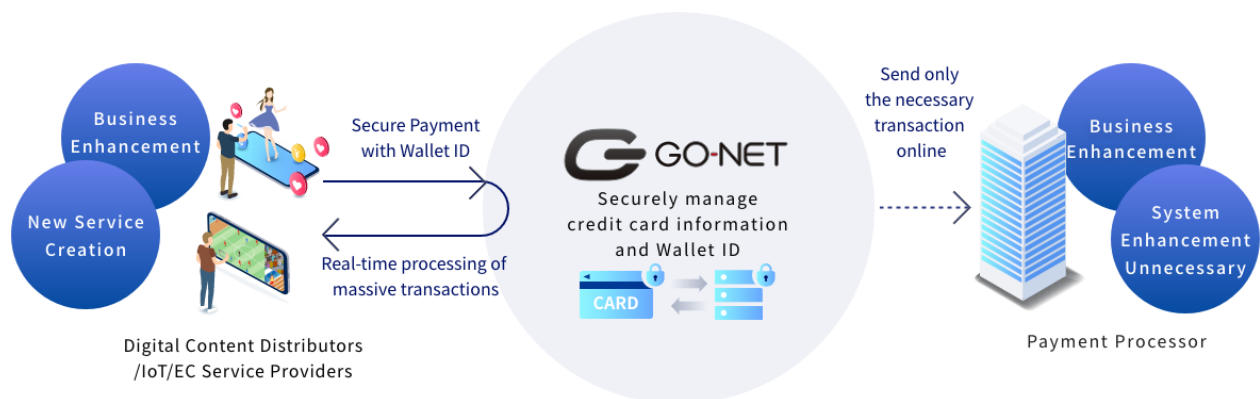
Along with the digitalization of industries, secure payment infrastructure that can process massive transactions with

peaks are necessary to provide stress-free payment environment.

### [Product Concept]

GO-NET Japan provides “GO-NET MV/Card-on-file Payment Offload Service” for merchants to process large amount of transaction with peaks more smoothly during the provision of live-streaming events, e-commerce or IoT services. Below are the concepts of the product.

- GO-NET will issue a Wallet ID per customer of the merchant (ex. live-streaming service provider). Merchant will link the Wallet ID with their own customer ID to be stored in their system for future payment processing and there will be no need for them to acquire or retain credit card information.
- GO-NET will retain the credit card information acquired from the cardholder with the Wallet ID. Upon merchant authorization request, GO-NET will generate a provisional balance.
- For transaction requests with amount below the provisional balance, GO-NET will respond on behalf of the acquirer, lifting the burden off the acquirer-system and enabling large number of transactions to process.
- GO-NET will offer competitive pricing tables for service providers (merchants and payment processors, etc.) in order to support their sustainable business model.
- GO-NET will have full security arrangements including consideration for fraud preventative measures along with Akamai’s 24/365 monitoring and continued certification of global security standard PCI DSS.



\*Patent applied and pending for business model

### [Benefits]

“GO-NET MV/Card-on-file Payment Offload Service” will bring below merits.

- (1) Ensure Stress-Free Payment Environment  
GO-NET’s capability to process 100k transactions per second will ensure real-time processing of merchant’s peak payment transactions.
- (2) Secure payment with Wallet ID  
GO-NET will manage credit card data securely on behalf of merchants, which reduces the burden of security

control measures of them.

(3) New UX and service creation

Merchants will be able to focus creating new user experiences and services released from capacity limitation of existing payment infrastructure.

**[Future Plans]**

GO-NET Japan aims to launch “GO-NET MV/Card-on-file Payment Offload Service” in fiscal year of 2022 and begin the detailed preparation.

Target market of this service includes live entertainment industry, e-commerce and IoT service etc. which offers businesses using their digital IDs such as customer IDs, content IDs and device IDs. GO-NET Japan will support these business leaders from the payment perspective for them to accelerate their required evolutionary change and digitalization and to create new business model through this pandemic.

Also, the service will be supporting credit cards of major international networks through the partnership with Mitsubishi UFJ NICOS Co., Ltd., etc.

**■Comments from partner companies**

**Mr. Hiraku Ishizuka, President & Representative Director, Mitsubishi UFJ NICOS Co., Ltd.**

We have high expectations for the product concept for Global Open Network Japan’s “GO-NET MV/Card-on-file Payment Offload Service”.

With various technical innovations and every human behavior being digitalized, the number of transactions are predicted to increase exponentially. However, there remains an issue regarding how these large number of concentrated transactions should be handled using the current system. By using this service, part of authorizations can be decentralized creating hope for a solution from payment perspective towards further progress in terms of digitalization.

We would like to continue together to actualize this new service and aim to expand undeveloped market such as low-ticket e-commerce payment market.

We will continue to strengthen our partnership with Global Open Network Japan, Inc. and cooperate to develop a safe, secure, and yet convenient payment infrastructure.

■ **Global Open Network Japan Inc.**

Establishment: April 1<sup>st</sup>, 2019

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Shareholders: Global Open Network, Inc. 100%

※Global Open Network, Inc. is a jointly established Holding Company by Mitsubishi UFJ Financial Group, Inc. and Akamai Technologies, Inc.

Business Overview: Providing a domestic payment platform including its administration, management, system development, maintenance, operation, and management.

Our Vision: To actualize an innovative and smart economic society by developing a digital ecosystem with GO-NET as the HUB.

Mission Statement: Breaking the limits of Payments with Innovative Networks



**Characteristics of Blockchain Technology**

- Immutability (Proprietary Consensus Algorithm)
- High availability using decentralized system
- Value management functionality

**Characteristics of Akamai Platform**

- Operating 320,000 servers in over 130 countries worldwide.
- Efficiently routes internet traffic securely
- Detects and mitigates malicious attacks 24/7 (ex. DDoS attacks)

\*(As of January, 2021)

**[Product Lineup]**

- GO-NET FM Series: Provides a service for sending payment data in a pass-through style.
- GO-NET MV Series: Provides services for managing balance information and other related information within the network
- GO-NET Blockchain Connect: Provides BaaS using its high-speed blockchain technology