

INTER-ORGANIZATIONAL ELECTRONIC DATA TRANSMISSION/RECEPTION CONTROL SYSTEM

**”Proposal for the transmission/reception control system
that connects organizations around the world”**

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1. Executive Summary

Summary of proposal:

- ✓ This proposal aims to solve problems in business settings through the launch of a new service business.
- ✓ It advocates for the practical implementation of the electronic data transmission/reception control system, designed to facilitate secure transmission/reception of electronic data across organizations.
- ✓ The primary objectives of this proposal are to support the healthy business activities of client organizations and their employees, while simultaneously establishing a service business centered around the utilization of the electronic data transmission/reception control system.

Benefits of Proposal:

- ✓ Service users will be able to conduct secure electronic data transmission/reception.
- ✓ Service provider can tap into the emerging field of supporting client organizations' business activities, gaining new business opportunities, while also receiving gratitude and respect from client organizations, thereby enhancing corporate value.

Background of Proposal:

- ✓ Changes in the Business Environment:
The expansion and globalization of businesses have led to an increase and diversification of business partners. Scenes where transactions with distant or loosely connected partners occur have become more prevalent.
- ✓ Changes in Work Styles due to the COVID-19 pandemic:
Work patterns have shifted from traditional office-based work to remote work, leading to a decrease in opportunities for collaboration between employees and their superiors within organizations. Consequently, there is a trend towards delegating business decisions from traditional organizational leadership to employee discretion. Furthermore, the rapid proliferation of remote meetings has further contributed to the weakening of relationships with business partners.

2. Challenges

Challenges Occurred in Practice:

1. Electronic data passed to impostor:

A former employee, after switching to a competing organization, falsely claimed affiliation with their previous employer using past business cards, resulting in illicit acquisition of business information.

2. Employee engages in electronic data exchange with other organizations at their discretion:

Despite the senior management's plan to collaborate with Partner Corp. X for a new business, a certain employee, unaware of this, inadvertently transmitted business plan materials to an employee of Corp. Y, which competes with Corp. X.

3. Retained electronic data transmitted by a former employee:

Due to the content of electronic data transmitted by a former employee being treated as valid information by the recipient, setbacks occurred in business operations.

4. Non-compliance with mutually agreed-upon electronic data exchange:

In a new business venture, commitments for bidirectional electronic data exchange agreed upon between representatives were not upheld, resulting in an inability to obtain information from the counterpart.

Risks Arising from Challenges:

These challenges, not fully preventable by individual attention or heightened awareness alone, pose a significant risk of causing substantial losses to the organization or its partners.

To tackle the challenge, I recommend that organizations implement the Electronic Data Transmission/Reception Control System, which is a way to systematically control the transmission and reception tasks of employees.

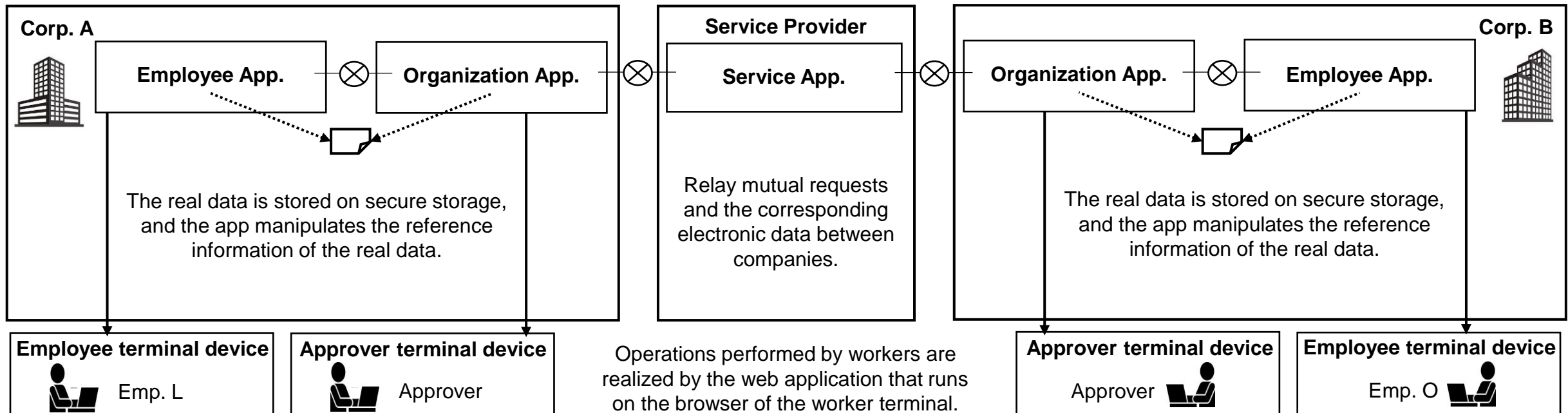
3. About Electronic Data Transmission/Reception Control System

Overview of the Electronic Data Transmission/Reception Control System:

This system serves as a business support system with the following features.

1. Managed by Neutral Service Provider:
Service provider manages the usage status of client organizations and ensures the stable operation of services from a neutral standpoint.
2. Applications used by client organizations:
Applications used by client organizations are provided and maintained by the service provider.
3. Adherence to Client Organization Rules:
Client organizations using the service adhere to the established rules and utilize the provided services correctly.
Monitoring by the service provider prevents deviations from the rules.

An overview of the Electronic Data Transmission/Reception Control System is shown below.



4. Addressing the Challenges

Addressing to Challenges that Actually Occurred:

1. Ensuring Employee Identities by Companies:

The challenges can be addressed by verifying the identities of employees among companies and ensuring their identities under the responsibility of the company.

2. Approval of Electronic Data Transmission/Reception by Employees by Companies:

By having the supervisors of the respective employees review and approve or reject the data to be transmission/reception, the transmission and reception of electronic data can be managed by companies, thereby resolving the challenges.

3. Deletion of Electronic Data Transmitted by Former Employees through Intercompany Cooperation:

The method for both companies to cooperate in deleting electronic data transmitted by former employees can resolve the challenges.

4. Synchronization of Data Transmission Approvals between Both Companies by Service Provider:

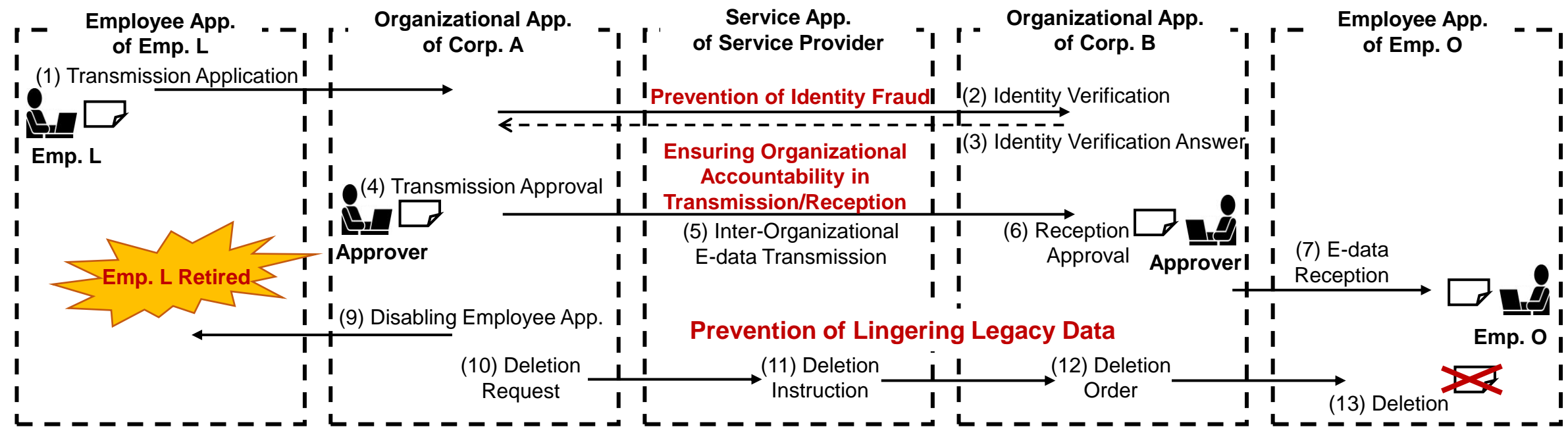
Neutral service provider can resolve the challenges by synchronizing the transmission approvals from both companies until they are aligned before proceeding with the transmission.

Details of the Method for Addressing the Challenges:

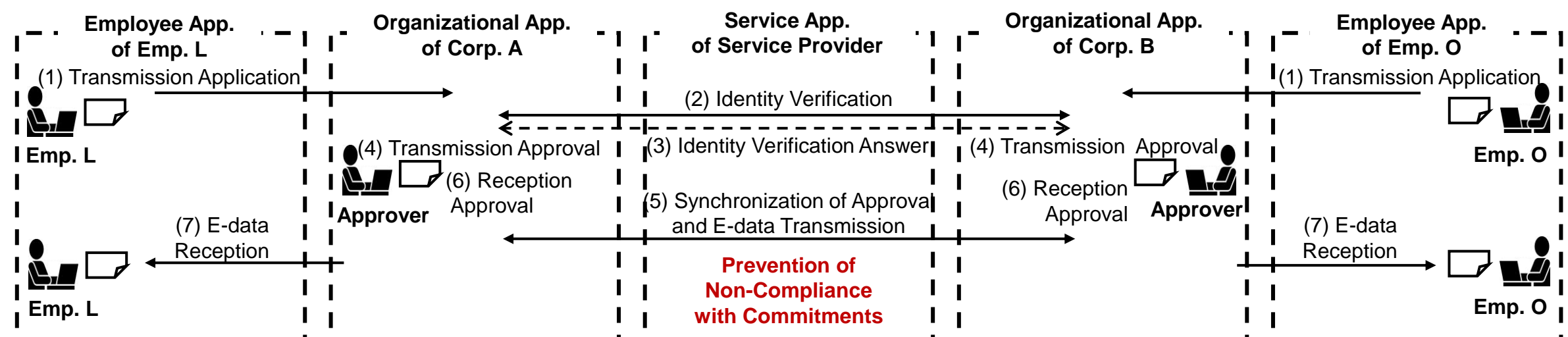
On the next page, Explain the Details of the Method for Addressing the Challenges using diagrams.

5. Detail of the Method for Addressing the Challenges

The Electronic Data Transmission (one-way) from Emp. L of Corp. A to Emp. O of Corp. B.



The Electronic Data Transmission (bidirectional) from Emp. L of Corp. A to Emp. O of Corp. B.



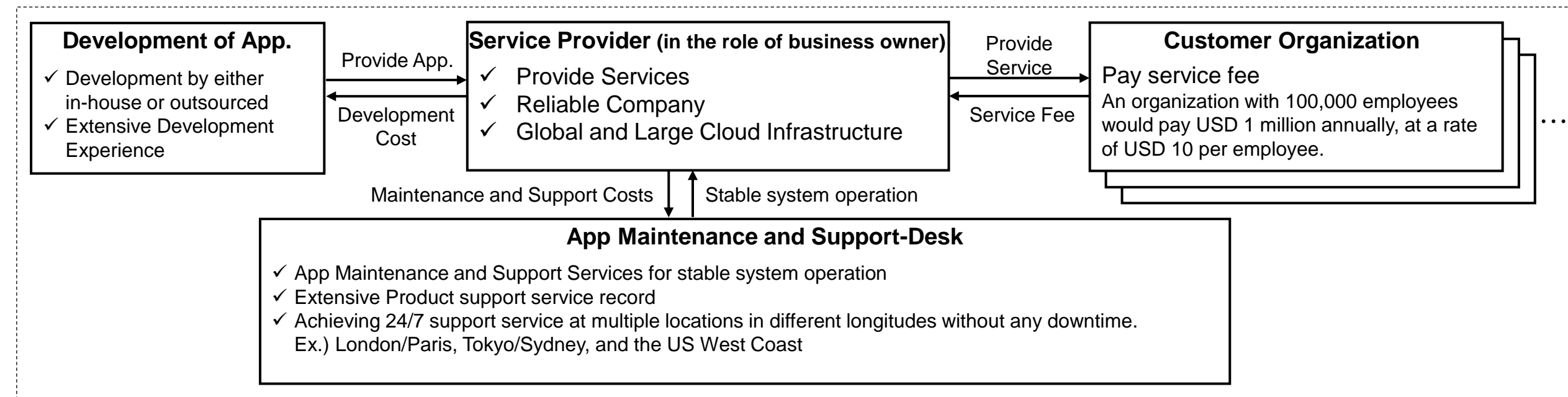
6. Proposal Details

Service Business Structure:

- ✓ The service provider will serve as the business owner and lead this service business.
- ✓ The development and maintenance of the application will be accomplished through in-house development or outsourced by the business owner company.
- ✓ Customer organizations utilizing the service will pay service usage fees as compensation for service usage, which will serve as the capital for the business.

Service Provider Requirements:

- ✓ To fulfill the role of relaying important electronic data of customers, the service provider must be a highly reliable company trusted by customer organizations.
- ✓ They must be a global company connecting customer organizations worldwide.
- ✓ Also, they should have multiple cloud regions to handle data on a global scale.



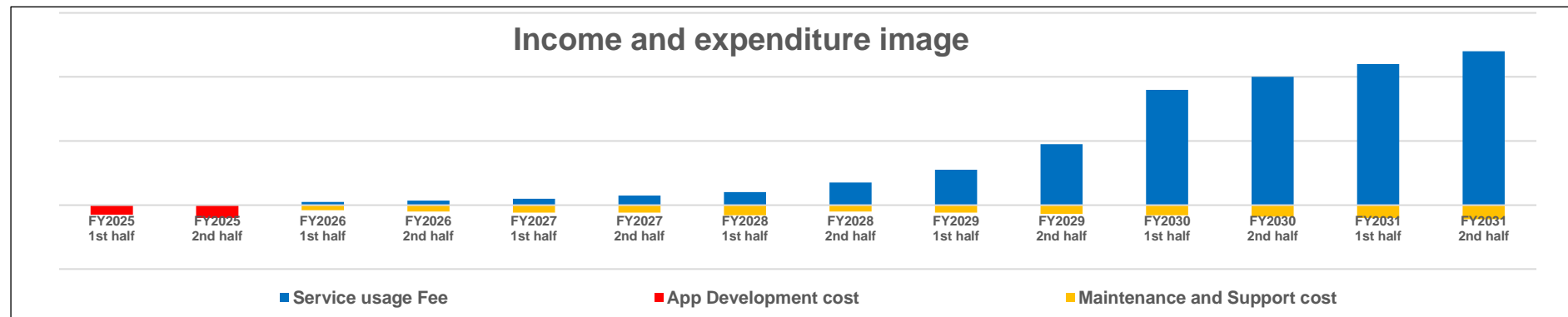
7. Expected Outcomes

From the User's Perspective:

- ✓ Utilizing services through the Electronic Data Transmission/Reception Control System enables safe exchange of electronic data among customer organizations and employees.
- ✓ Moreover, the organization's commitment to secure electronic data transmission and reception using this system will be evaluated, thereby enhancing the organization's value.

From the Business Owner's Perspective:

- ✓ By offering the Electronic Data Transmission/Reception Control System as a service, stable service usage fees can be obtained from customer organizations.
- ✓ Customer organizations encompass not only private enterprises but also national/state and local public entities, with a projected global workforce numbering in the hundreds of millions.
- ✓ Profit is derived from the service usage fees after deducting operational expenses such as maintenance costs from the revenue. The business owner can swiftly expand their customer base, including existing customers, and expect a rapid recoup of initial costs such as app development expenses.
- ✓ Furthermore, by supporting the business activities of customer organizations, the business owner can earn appreciation and respect, thus enhancing corporate value.



8. Conclusion

The practical implementation of ELECTRONIC DATA TRANSMISSION/RECEPTION CONTROL SYSTEM prevents the risk of impersonation by malicious third parties, enabling organizations to achieve secure electronic data transmission and reception based on responsibility, thus protecting organizations and employees from risks.

As a business service provider, owners can prevent losses from fraudulent transactions and provide value beyond customer usage fees. By using this system, both organizations and customers can realize secure electronic data transmission and reception, enhancing corporate value.

My dream is to implement this electronic data transmission and reception control system and support business professionals worldwide. However, to realize this system as one that handles important data, there are security and other points for discussion that remain. Evaluation through prototyping and trial usage is necessary for further improvement.

I am seeking partners to join me in this endeavor. I value everyone's opinions and kindly ask for your cooperation towards the practical implementation of this system.

Thank you.

Patent Information for the Proposal:

Filing Country	Application Number/Registration Number	Status
Japan	2022-175135 7349192	Application date: October 31, 2022 Patent granted date: August 30, 2023
PCT International Application	PCT/JP2023/031493	Application date: August 30, 2023 International Search Report received date: November 15, 2023
USA	18/567,537	Application date: December 6, 2023
China	202380012304.7	Application date: December 15, 2023
Europe	23821109.8	Application date: December 19, 2023
Australia	2023285941	Application date: December 22, 2023
Korea	10-2023-7044318	Application date: December 22, 2023

Brief Self-Introduction:

- ✓ April 1991: Joined Fujitsu Hokuriku Systems Co., Ltd. (later merged into Fujitsu Limited)
Engaged in software development, medical system SE, and cloud support
- ✓ March 2022: Accepted early retirement offer and left Fujitsu Limited
Exploring new challenges in the software industry
- ✓ October 2022: Established as a sole proprietor
Mainly engaged in freelance SE projects in the financial sector, with additional consulting/coordination projects in the IT field

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