

April 11, 2025
NTT DOCOMO, INC.

**DOCOMO Receives the Prime Minister's Certificate of Appreciation for
Integrated Utilization of Standardization and Intellectual Property—Driving
Intellectual Property Management Proactively**

We are honored to announce that NTT DOCOMO, INC. (hereafter "DOCOMO") received the Prime Minister's Certificate of Appreciation in recognition of outstanding efforts and achievements in the promotion and advancement of the Industrial Property Rights System.

The Prime Minister's Certificate of Appreciation was specially presented to select individuals and companies in commemoration of the 140th anniversary of the Industrial Property Rights System, and DOCOMO was one of the first corporate recipients.

With the goal of "creating value for tomorrow's norms with technology and human power," DOCOMO continues to drive innovation together with its global partners, including the award-winning initiative of the integrated utilization of standardization and intellectual property.

We will continue these efforts and take on various challenges to create tomorrow's norms and enrich society, including the standardization of next-generation 6G mobile communication technologies (hereinafter "6G").

1. Award Information

Award name

Prime Minister's Certificate of Appreciation for Special Merit Enterprises for the Promotion and Development of the Industrial Property Rights System

Award recipient

NTT DOCOMO, INC.

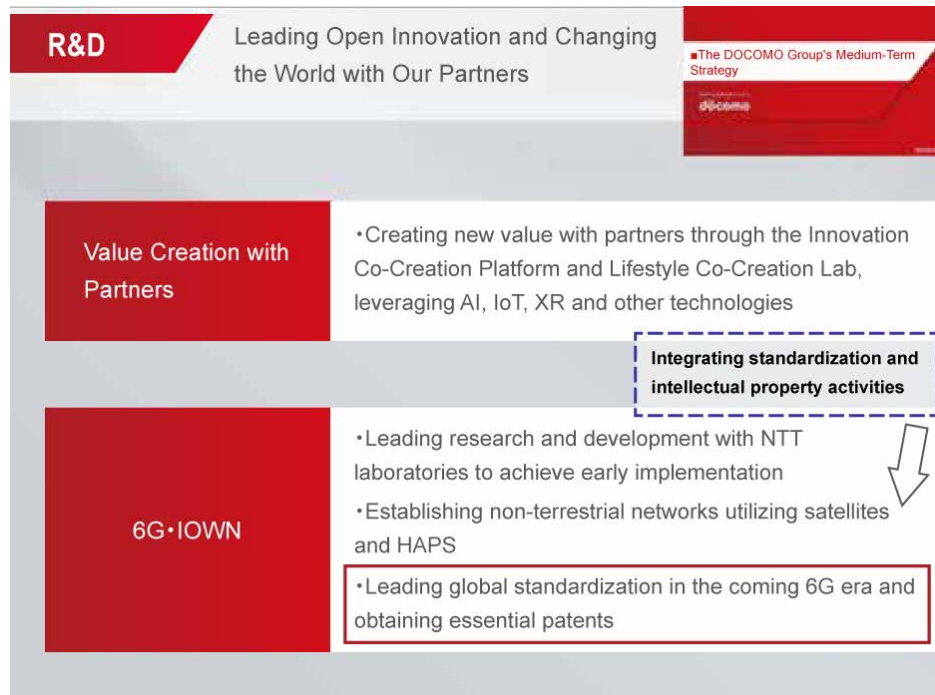
2. Award Summary

The recognition of our integrated utilization of standardization and intellectual property can be summarized in the following three points.

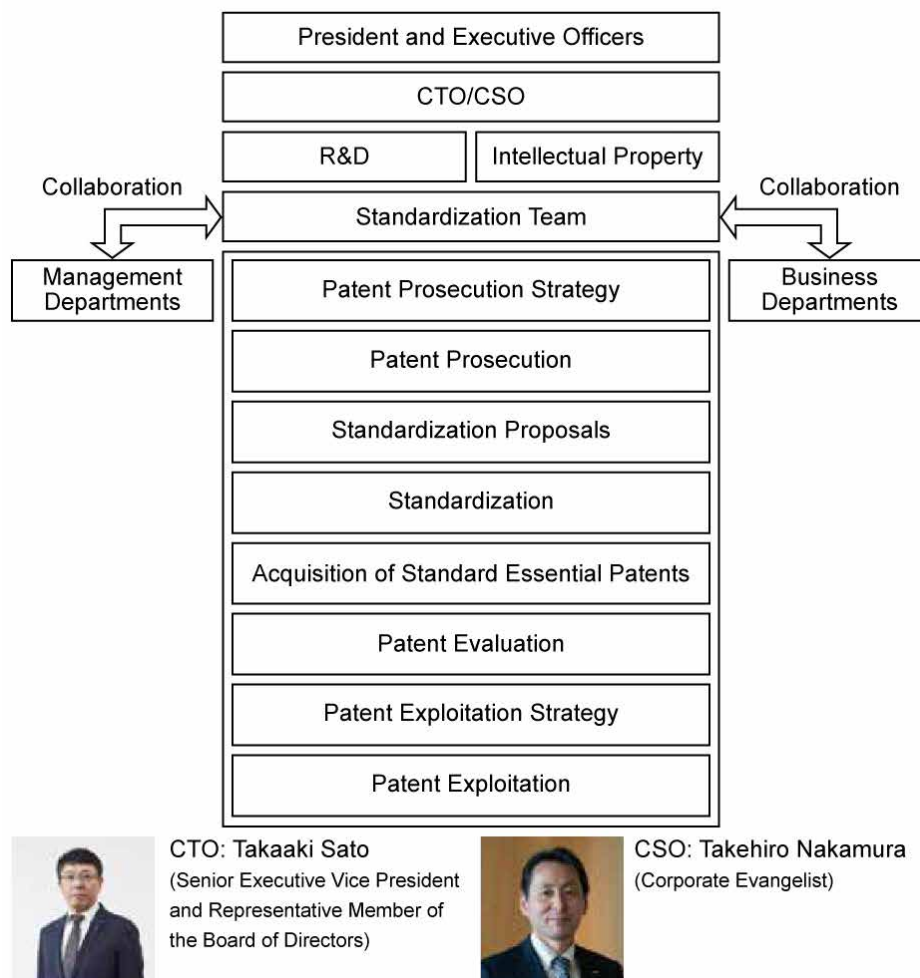
- ① We are promoting the integrated utilization of standardization and intellectual property, with the management target of "leading global standardization in the coming 6G era and obtaining essential patents." Since the third-generation era, when the international standardization of mobile communications accelerated, we have reinforced our strategy for the early introduction of businesses using our technologies and the acquisition of standard essential patents in cooperation with global key players. In addition to core communication technologies, we have led the international standardization of our emergency alert system, "Area Mail," and obtained standard essential patents for it. The system is significantly contributing to the security and safety of regions frequently affected by natural disasters.
- ② We are driving initiatives to align the scope of rights with standards and control the timing of right acquisition by leveraging international applications under the Patent Cooperation Treaty (PCT)* and early examinations, aiming to increase our share of standard essential patents. While our standard essential patents are made open, we strategically decide on a case-by-case basis whether to make application-related patents, such as those for Mobile Spatial Statistics, open or closed.
- ③ We take a major share of global 5G standard essential patents (the largest share among carriers). This major share demonstrates that our technology is leading the world and helps us to recover investments, secure business superiority, and even enhance brand power. We will continue to expand our initiatives to go beyond 5G.

3. DOCOMO's Initiatives

- ① In October 2021, we defined the integration and reinforcement of standardization and intellectual property initiatives as a management target in the New DOCOMO Group's Medium-Term Strategy (Figure 1).
- ② We developed a cross-organizational system to ensure that R&D and intellectual property department members obtain international standard essential patents for all standardization efforts under the leadership of management, including the CTO/CSO, and to promote their strategic use in cooperation with management and business departments (Figure 2).
- ③ Our engineer received the Medal with Purple Ribbon for the development of a wireless access control technology for the third- and fourth-generation mobile systems. We received the Invention Achievement Award and the Prime Minister's Award at the 2023 National Commendation for Invention for the standardization and invention of 5G core technologies (Figure 3). Our engineer was appointed the first Japanese chairperson of a working group on international standardization of mobile communications, which DOCOMO has been leading as a Japanese company.
- ④ We take a major share of global 5G standard essential patents (the largest share among carriers). We have concluded license agreements with major overseas vendors to secure license revenue (Figure 4).



(Figure 1) Management Strategy: Clarified as a Management Target in the DOCOMO Group's Medium-Term Strategy



(Figure 2) Organizational Structure: Developed a Cross-Organizational Framework for Standardization and Intellectual Property

Third- and Fourth-Generation: Received the Medal with Purple Ribbon

[3G and 4G Implementation]

Development of a wireless access control technology for the third- and fourth-generation mobile systems

◎Reason for the award

He contributed to enhancing daily life convenience through the following developments, which facilitated the implementation and widespread adoption of third- and fourth-generation (3G and 4G) mobile communication systems both in Japan and abroad, enabling comfortable smartphone communications.

3G	Developed a new wireless access control technology that enables the flexible deployment of base stations to implement the international standard IMT-2000 (W-CDMA)
4G	Developed a mechanism that enables smooth transition between base stations of different generations (3G and 4G) without communication disruption to implement the international standard IMT Advanced (LTE/LTE-Advanced)



Award recipient
Seizo Onoe*

*Former Executive Vice President, a Member of the Board of Directors, and CTO; Current Director of the ITU (International Telecommunication Union) Telecommunication Standardization Bureau

Fifth-Generation: Standardization of 5G Core Technologies

[5G Implementation]

Received the Invention Achievement Award and the Prime Minister's Award at the National Commendation for Invention 2023 for the invention of 5G core technologies*

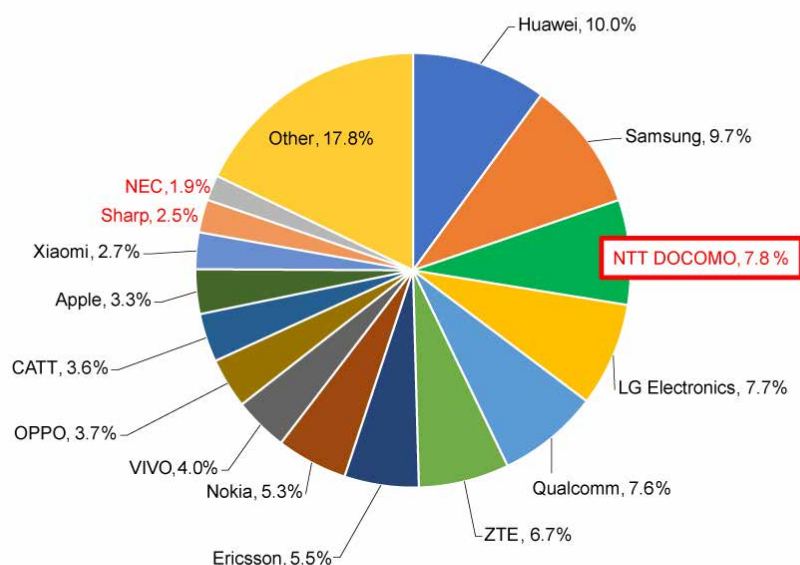


* Award recipient: Motoyuki Ii, Satoshi Nagata, Hiroki Harada, Daiki Takeda

(Figure 3) Achievements in Standardization: Leading 3GPP Standardization

Utilizing patents not only to launch next-generation services incorporating in-house technologies but also to generate intellectual property revenue

•Share of 5G essential patents



•Disclosed licensees



(Figure 4) Achievements in Intellectual Property: Holding and Exploiting the World's Top Essential Patents

* A single international patent application filed under the PCT (Patent Cooperation Treaty) has the same effect as filing separate patent applications in all contracting states.

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