

November 15, 2023
NTT DOCOMO, INC.

The fundamental technology of the Area Mail, an emergency alert system, won the Invention Encouragement Award at the Regional Commendation for Invention.

NTT DOCOMO, INC. ("DOCOMO") today announced that they received the Invention Encouragement Award at the 2023 the Regional Commendation for Invention.*1 sponsored by the Japan Institute of Invention and Innovation for its technology that forms the basis of the Area Mail®, an emergency alert service.

This technology delivers disaster and evacuation information from the Japan Meteorological Agency and local governments ("emergency alerts") to customers with the highest priority being delivered first among multiple deliveries. This invention is not limited to Area Mail but has been adopted as an essential technology by 3GPP*2, an international standardization organization for mobile communications systems, and is being used in approximately 20 countries around the world.

In Japan, many natural disasters such as earthquakes and typhoons occur. When a disaster occurs, a large amount of information is transmitted, making it difficult to provide urgent evacuation information to customers. This is why DOCOMO invented this technology with the aim of promptly delivering high-priority information to our customers.

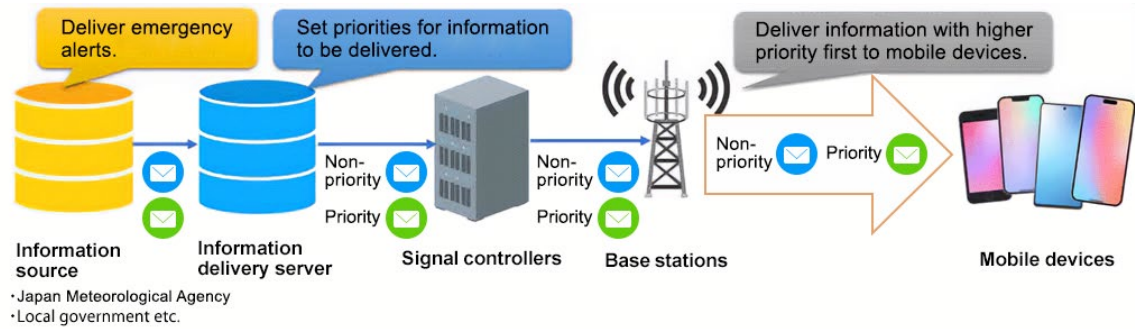
DOCOMO will continue to contribute to the creation of new fundamental technologies to realize an infrastructure that supports the safety and security of our customers.

1. Name of the Awarded Technology

Emergency email priority control to ensure first response.

2. Technology Overview

This technology controls which information is prioritized when emergency alerts are delivered. When emergency alerts is delivered over a communications network, the server sets a priority level for the information to be delivered, allowing base stations to deliver the highest priority information to mobile devices first. This allows urgent information to be delivered quickly to customers who are close to the disaster site.



3. The Award-Winner

DOCOMO R&D Center*3

Katsutoshi Nishida

Itsuma Tanaka

Tadashi Uchiyama

Wuri Andarmawanti Hapsari

*1 The Regional Commendation for Invention was founded in 1921 and is given to engineers and research and development personnel in eight regions (Hokkaido, Tohoku, Kanto, Chubu, Kinki, Chugoku, Shikoku, and Kyushu) who have created outstanding inventions, devices, or designs.

*2 3GPP : Third Generation Partnership Project. A standardization project to study and prepare specifications for the 3rd generation mobile phone (3G) system based on W-CDMA and GSM developmental networks, LTE compatible with the subsequent 3.9th generation mobile communication system, LTE-Advanced compatible with the 4th generation mobile communication system, and the next 5th generation mobile communication system.

This invention has been adopted as an essential technology for the Public Warning System (PWS), a technology for delivering information at the time of a disaster.

*3 The award winner's organization at the time of the application for this award.

*Area Mail is a registered trademark of NTT DOCOMO, INC.