

災害に備える

Preparing for Disaster

いかなる状況下でも、社会インフラを担う通信事業者としての使命を果たしていくために、KDDIは災害・緊急時対策の強化を進めています。

KDDI is reinforcing its disaster and emergency preparedness measures to fulfill its mission as a telecommunications company that provides social infrastructure under a variety of conditions.



災害に強い通信設備を目指して

KDDIは、首都圏直下型地震への備えとして、被災から復旧するまでのバックアップ手段として、4G LTEに対応した「災害用大ゾーン基地局」を導入し、2014年2月、首都圏エリアをカバーする全10局の設置、運用を開始しました。2014年4月には、大規模災害に備えたBCP（事業継続計画）強化のため、津波の被害を受けず、かつ万一の被災時にもネットワークの早期復旧が図れるよう、新たな海底ケーブルの陸揚局として「千倉第二海底線中継所」を開設しました。

迅速なエリア復旧に向けて

大規模災害発生時に、被害状況の早期把握と的確な復旧プランを策定するため、KDDIは、「au災害復旧支援システム」を全国10カ所のテクニカルセンターに導入しています。また、被災地エリアの通信設備に迅速な電源供給を可能とする、移動電源車・非常用発電機の配備や、通信障害が発生しているサービスエリアを早期に復旧させるため、車載型基地局、可搬型基地局などの配備態勢も強化しています。また、船上に携帯電話基地局と衛星通信設備を開設し、海上と陸上間での音声・データ通信の実証実験を行い、陸上の被災状況に影響されない海上からの通信対策にも取り組んでいます。さらに、災害に強いネットワークの構築として、基幹ネットワークを3ルートから4ルートに増強、また、関西に設備監視体制を新設し、監視機能の分散化を図っています。

事業継続計画（BCP）の強化

東日本大震災の経験を踏まえ、KDDIは全部門横断型の「災害対策プロジェクト」を立ち上げ、「大規模自然災害事業継続計画（BCP）」を策定しました。同計画では、「社員とその家族の安全確保」および「通信事業者としての責務」を果たすため、さまざまな施策を講じています。災害発生時の初動から本格復旧までのフェーズごとの対応を詳細にルール化するとともに、固定・移動通信回線の全面停止に備え、全国の主要拠点を結び衛星ネットワークを構築しました。また、当社役員が輪番で重要拠点周辺に待機し、災害発生時における初動対応の迅速化を図ることなどを定めています。

Building Telecommunications Facilities that are Resistant to Disasters

KDDI has installed 4G LTE-capable emergency-use wide-zone base stations as part of its disaster backup procedures in preparedness for an earthquake striking beneath the Tokyo metropolitan area. In February 2014, we completed installation and began operation of all 10 stations covering the Tokyo area. To reinforce our business continuity plan, in April 2014 we established the new Chikura No. 2 Cable Landing Station to protect against tsunami damage and enable swift network recovery in the event of disaster.

Restoring Area Service Quickly

To allow the state of damage to be determined quickly in the case of a large-scale disaster and to prepare appropriate restoration plans, we have introduced the “disaster restoration support tool for au” at 10 technical centers throughout Japan. Also, to supply power quickly to telecommunications facilities in the disaster area we have deployed mobile power supply vehicles and emergency power generators, and we are stepping up placement of vehicle-mounted base stations and movable base stations in order to quickly restore service in areas experiencing communications outages. Furthermore, we have installed shipboard mobile phone base stations and satellite communications equipment and are running demonstration experiments to check voice and data communications between land and sea. These initiatives are designed to quickly restore coverage following a disaster by transmission from the ocean, which is not affected by disaster conditions on land. As part of our aim to construct disaster-tolerant networks, we have augmented our backbone network to four routes from three and installed a new facility monitoring system in Kansai to achieve better dispersion of our monitoring function.

Strengthening Business Continuity Plans (BCPs)

Based on its experiences from the Great East Japan Earthquake, KDDI has launched a companywide Disaster Countermeasure Project and formulated a Business Continuity Plan (BCP) for Large-Scale Disasters. We are pursuing a host of measures to address the plan's objectives of “ensuring the safety of employees and their families” and “fulfilling our responsibilities as a telecommunications operator.” We have set down detailed rules for each phase of response to disaster, from initial action through to full restoration. We have also created satellite network links to principal bases throughout Japan in preparation for a scenario in which all fixed-line and mobile circuits cease to function. We have also established a procedure whereby KDDI's directors are assigned to be in position near an important base on a rotating basis to speed initial response in the event of disaster.

Corporate Profile
History
Corporate Officers
Organization Chart
Main Domestic Companies and Affiliates
Main Overseas Companies and Affiliates

Name Card Holder