

Improving Facility and Rolling Stock Stability

- Upgrading and Providing Backup Systems for Malfunction Prevention Equipment
- Replacing Rolling Stock

1. Improvements to Create Trouble-free Facilities and Facilities with Backup Systems

- Reinforcement of signal cable weak points (cable protection)



Protective pipe installation (approximately 1,400 locations)

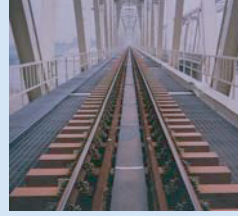
[By the end of fiscal 2008]



Installation of covers to prevent accidental severance (approximately 31,500 locations)

[By the end of fiscal 2008]

- Use of synthetic sleepers on bridges



Approximately 33,500 sleepers

[By the end of fiscal 2008]

- Measures to prevent roadbed cave-ins



Tohoku Line between Koyama and Koganei. Approximately 1,900m

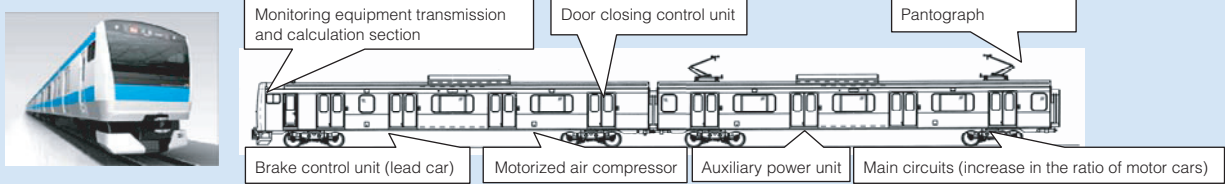
[By the end of fiscal 2008]

- Earthquake-resistance reinforcement for rolling stock depots (Columns in the Tokyo Rolling Stock Center reinforced, approximately 450) [By the end of fiscal 2008]
- Modifications to the electricity feeding system (two locations on the Chuo Line) [By the end of fiscal 2007]
- Signal power-supply reinforcement (113 locations) [By the end of fiscal 2008], etc.

2. Replacing Rolling Stock with Models with Backup Systems (Keihin-Tohoku Line, Negishi Line)

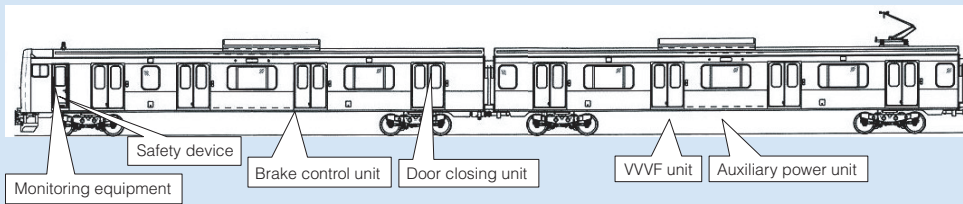
- Adoption of Series E233 on the Keihin Tohoku and Negishi Lines (830 railcars) [By the end of fiscal 2009] [Already announced]

Backups for Main Equipment (Normal operations possible when one system breaks down)



3. Upgrading Equipment for Commuter Trains

- Series E217 railcars on the Sobu Line (Rapid-Service) and Yokosuka Line, Series 209 railcars on the Sobu, Chuo Local Line (approximately 970 railcars) [Implemented systematically from fiscal 2007]



- Miscellaneous

Reinforcing Facility Inspections and Maintenance

- Increasing the Accuracy of Rail Inspections



Number of rail-defect detector cars increased by two

[Inspections to be reinforced from fiscal 2008]

- Constraining Scratches to Rails



Number of rail grinding cars increased by three

[Grinding to start regularly from fiscal 2008]

- Reinforcement of Inspection Processes for Switches and Track Circuits [Implemented from fiscal 2006]

Thorough inspections of weak areas that require time to restore in the event of malfunctions.

- Replacement of Ageing Signal Relays (Approximately 28,000 relays) [By the end of fiscal 2008], etc.

Swift Restoration during Transportation Service Interruptions

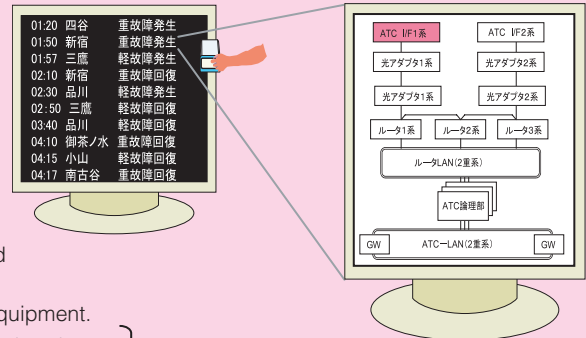
- Reinforcement of Monitoring Functions to Locate Malfunctions in Ground Facilities as Swiftly as Possible

1. Establishment of a System to Ensure Swift Service Restoration

- Increases in the number of facilities able to respond to facility malfunctions (10 locations) [By the end of fiscal 2006]
4 locations inaugurated in November 2006, 6 locations to be inaugurated by the end of fiscal 2006
- Establishing 24-hour emergency service systems with signal manufacturers [Implemented from December 2006]
Reinforcing 24-hour emergency service systems with signal manufacturers for the procurement of electronic parts, etc.
- Reinforcement of the Monitoring Functions of Signal Communication Dispatches [By the end of fiscal 2008]

Main Areas of Reinforcement

- Improvements to the emergency information display methods.
- Increases in the number of track circuits, signals, signal power supply facilities and other sensor monitoring equipment.
- Speeding up monitoring communication lines, etc.



2. Thorough Training Facilities

- Establishment of training facilities for track maintenance, electricity and signal communications. [By the end of fiscal 2007]

Thoroughly-equipped restoration training facilities for newly-installed equipment.

- Training facilities relating to the maintenance of next-generation turnout systems and other aspects of track maintenance.
- Training facilities relating to ME distribution boards in power stations and other aspects of electricity.
- Training facilities relating to digital ATC and other aspects of signal communications.

Complete establishment of seven Tokyo metropolitan area branch offices.

Complete establishment of the JR East General Education Center and seven Tokyo metropolitan area branch offices.

3. Increasing Replacement Parts for Equipment

- Increasing the number of replacement parts for track maintenance, electricity and signal communication required for restoration work during disasters. [By the end of fiscal 2007]

Increases in the number of facilities that store spare parts for newly-installed equipment for restoration work during disasters.

Reinforcement of Information Distribution

- Reinforcement of Information Distribution to Passengers and Smooth Information Flow between Employees

1. Reinforcement of Information Distribution to Passengers

- Increases in the number of emergency information displays (approximately 90 stations) [By the end of fiscal 2008]



Installation Image



Screen Image (Screens are currently being developed)

- Replacements and increases in station broadcasting equipment (approximately 200 stations) [By the end of fiscal 2008]
Replacement of speakers located on platforms and in concourses.

2. Smooth Information Flow between Employees

- Installation of radio transceivers to pass information between employees (approximately 150 stations) [By the end of fiscal 2008]
Improving receiving conditions through increases in the number of antennas, etc.