

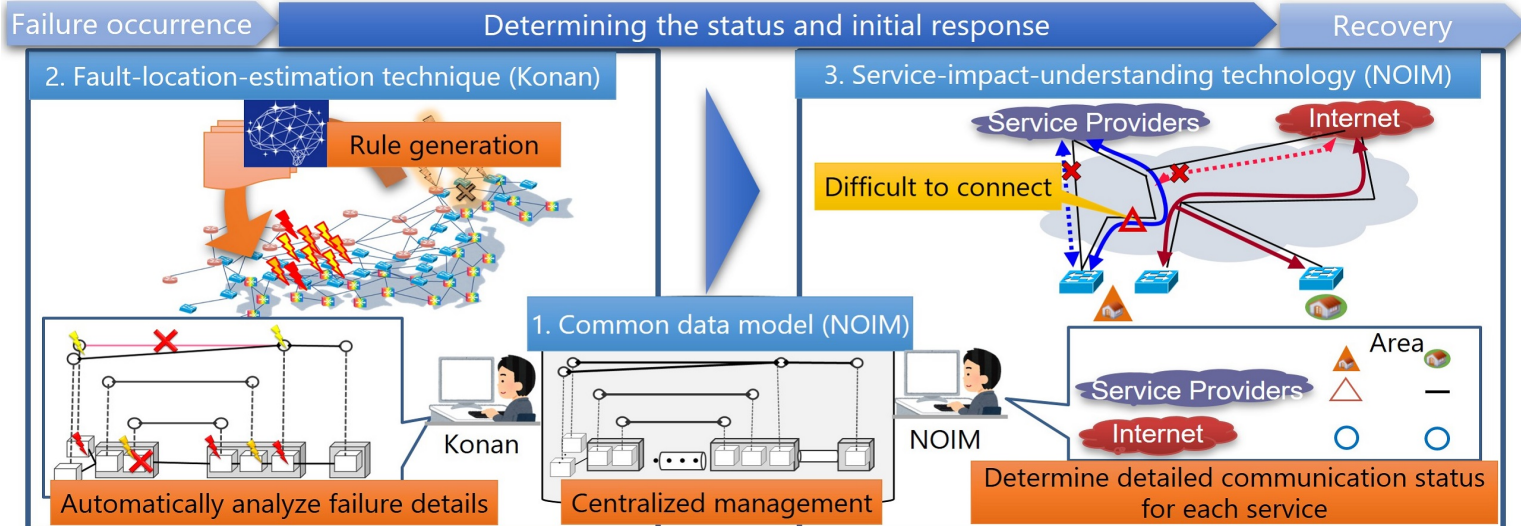


## Background

As the social importance of network services increases, early restoration of services in failures is required. However, when a large-scale failure occurs across multiple service/area, it takes enormous time to recover due to a large amount of information to be analyzed for determining the situation.

## Summary

To support accurate and quick understanding of a large-scale failure, we are investigating a method of quickly driving the fault points, fault cause, and impact for the service by using a common data model for multiple networks to associate alarms with network information.



## Features

- 1. Managing multilayer configuration across a wide variety of networks and services using a common data model, for complex impact analysis when large-scale system failure occurs
- 2. Automatically generate if-then rules to estimate fault point and cause by extracting the characteristics alarms from a large number of alarms associated with a common data model
- 3. To determine the stability of end-to-end service connections, identify the sections of unstable communication on the basis of the routes and traffic information for each service

## Future\_benefits

When large-scale system failure occurs, automated failure analysis helps operators make prompt recovery decisions, thereby contributing to the realization of a robust network.

## Exhibiting Company

NIPPON TELEGRAPH AND TELEPHONE CORPORATION

## Contact

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