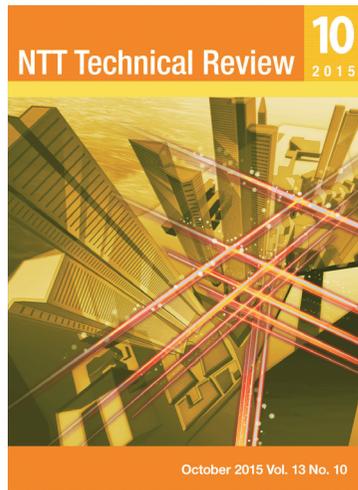


<https://www.ntt-review.jp/archive/2015/201510.html>



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- ▶ Tetsuya Shoji, President & CEO, NTT Communications

## Feature Articles

### The NetroSphere Concept—Breathing New Life into Carrier Networks

- ▶ The NetroSphere Concept and Network Architecture
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## Feature Articles

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## View from the Top

### Tetsuya Shoji, President & CEO, NTT Communications

#### ▼Overview

NTT Communications has made a string of acquisitions in overseas IT (information technology) companies and has achieved its target of 278 billion yen in overseas sales of cloud services ahead of schedule. In the highly competitive ICT (information and communication technology) global market, what does the company have to do to grow into a true global brand? We asked Tetsuya Shoji, President & CEO of NTT Communications, to tell us about the company's vision and specific strategy for the future.



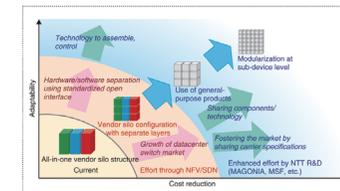
## Feature Articles

### The NetroSphere Concept—Breathing New Life into Carrier Networks

#### The NetroSphere Concept and Network Architecture

#### ▼Abstract

The NetroSphere concept was devised by NTT laboratories to guide the development of communication network technology for the future. The aim is to provide customers and service providers with a network that provides the services they require at high speed, with high reliability, and at low cost by adopting an architecture in which a diverse range of functions can be used flexibly. This article outlines the aims of the NetroSphere concept and the network architecture that supports these aims.



MSF: Multi-Service Fabric

## Feature Articles

### Transport Network Management Platform Technology

#### Transport Network Management Platform Technology for Achieving Common Operation among Multiple Network Elements

#### ▼Abstract

Research is underway at NTT Network Service Systems Laboratories on a unified element management system (EMS) platform that will achieve efficient network operation. Many types of network elements (NEs) are deployed on NTT networks. We need to operate various EMSs that are configured for a specific NE in order to manage the different types of NEs. Consequently, the use of multiple EMSs increases the operating cost and the operator workload.

We are working to solve this problem by studying a unified EMS, which we call transport network management (TM) platform technology, that can manage various kinds of network technologies. We present the concept and core technologies of TM platform technology in this article.

