

Japanese Railway Policy and the Roles of Railway Operators –



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Part 1

Outline of Railways in Tokyo Metropolitan Area



Station of Metro



Three Major Types of Railways in Tokyo Metropolitan Area





3) Private Railways* *: JV (private & public) is included



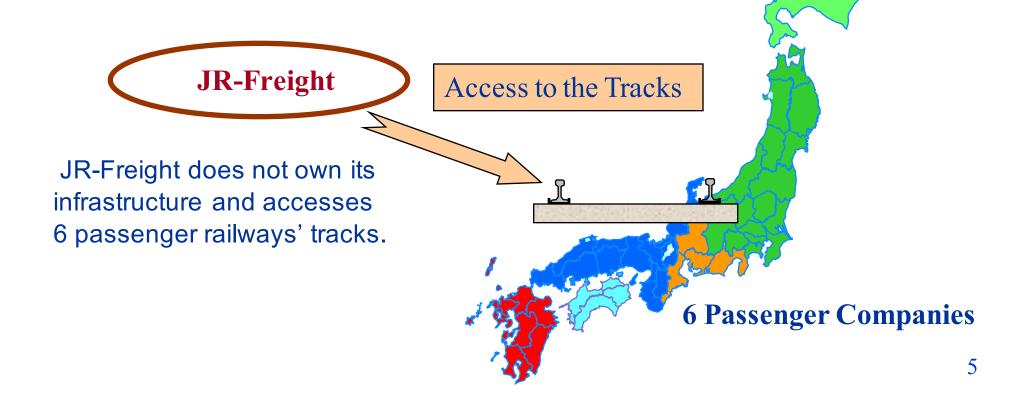
Tokyo has some types of railway operators, such as JR, Metros, and private railways.

Ra	Railways in Tokyo		
Tokyo Metropolitan Area			
Short-distance		Medium-distance	Long-distance
		<image/>	
Combined Utilization			
Competitiveness against Cars			

1) JR Lines

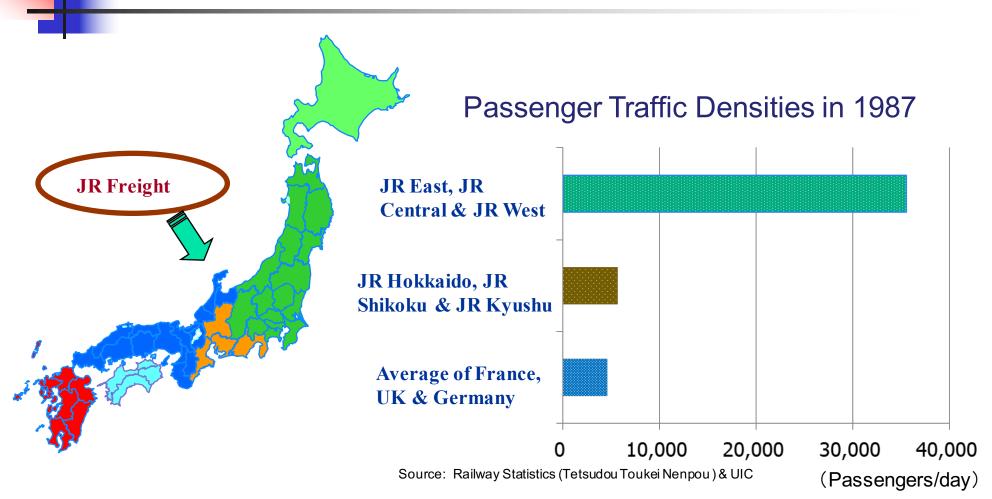
JNR Reform in 1987

JNR was divided into 6 regional passenger railway companies and a single nation-wide freight company.





Outline of the JNR Restructuring



Outline of JNR Reform can be referred by the following article available from World Wide Website. Kurosaki (2016) Reform of the Japanese National Railways (JNR)



Trains & Station of JR East





Tokyo Station

Chuo Line

Outline of JR East can be found by the Home page: http://www.jreast.co.jp

2) Metros

Trains & Station of Metros



A train of Tokyo Metro (Changing drivers for through train operation.) Tochomae Station (Station in front of Tokyo Metropolitan Gov.)

Metro systems in Tokyo are operated by Tokyo Metro and TOEI Subway. Their outline can be found in the following home-pages.

Tokyo Metro : http://www.tokyometro.jp/index.html TOEI Subway: https://www.kotsu.metro.tokyo.jp/subway/

3) Private Railways

Railway Lines of Private Railways

- Several private passenger railway companies operate in Tokyo metropolitan area.
- ✓ These railways own the infrastructure and maintain it through the revenue from the passengers.
- ✓ 8 large-scale private passenger railways cover more than 1200km track in Tokyo metropolitan area and transport about 13 million passengers. (source: MLIT (2016) "Railways 2016 in terms of Figures")
- ✓ These railways play an important role for commuting between suburb and CBD in Tokyo metropolitan area.

Three Types of Railways

Transportation IC Card





A single card can be effective for JR, Metro, and private railway lines. It is also effective for buses and other related shops and services.



Construction & Operation of Japanese Railways





Construction of Rail Network in Tokyo

JR Lines

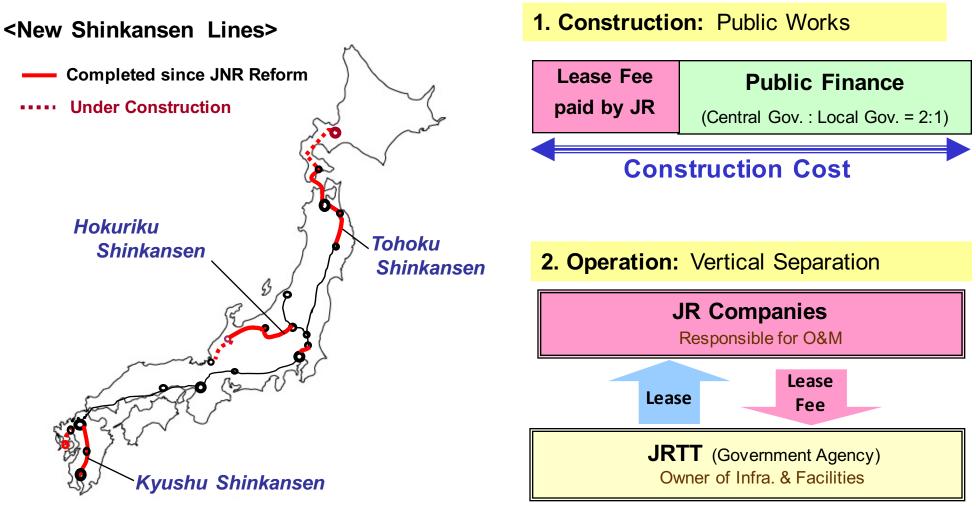
- Railway network was already developed when JNR was reformed in 1987.
- In general, projects for upgrading are carried out by the finance of JR companies since JNR reform.
 (In some cases, public finance is also utilized.)

Private Railways

- ✓ The network has been developed by private sector's investment without receiving subsidy.
- The railway companies constructed the lines along with land development, and rail operation and real estate development businesses improved in positive growth cycle.



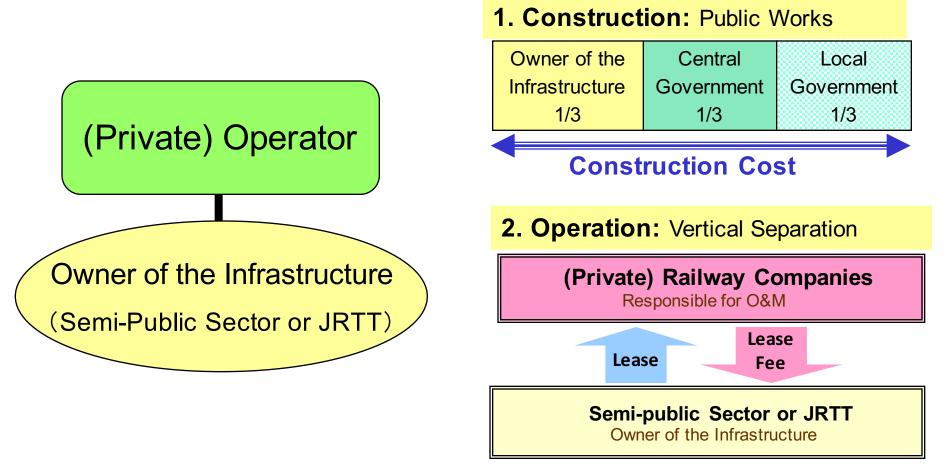
Construction by Vertical Separation (1) New Shinkansen Lines



Three Types of Railways

Construction by Vertical Separation (2) Act on Enhancement of Convenience of Urban Railways

The act is valid for constructing missing links and terminal station facilities.

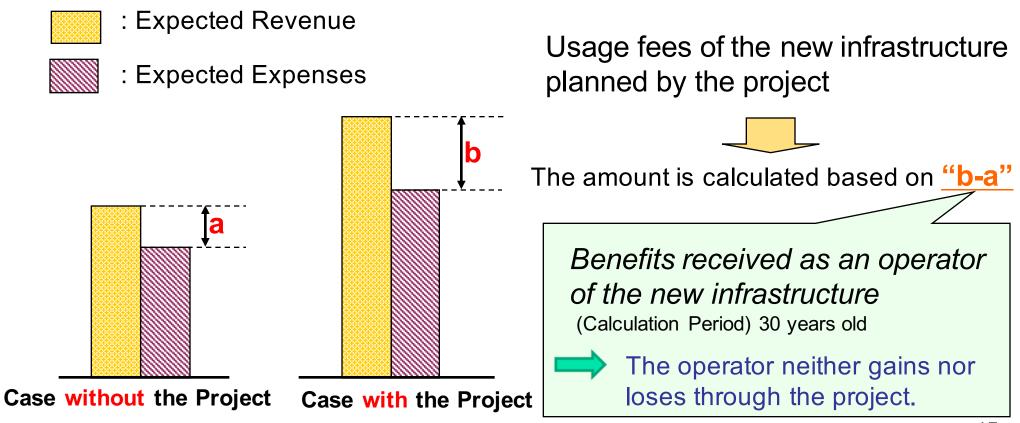


Three Types of Railways

(Shinkansen is operated by only JR companies)



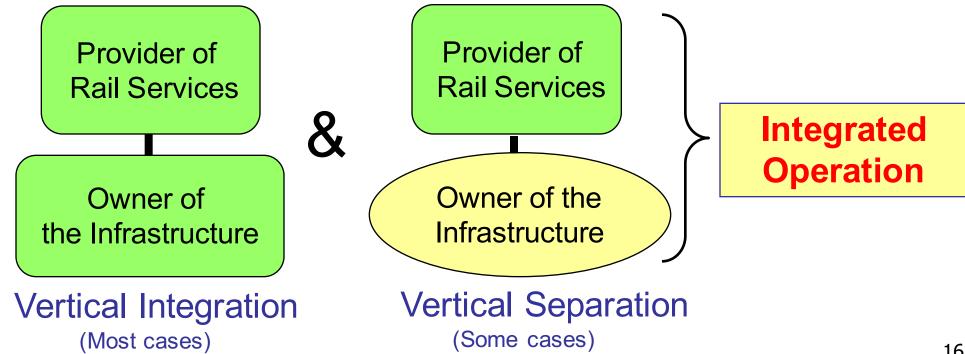
The concept is applied to both New Shinkansen Lines and the Act.



Vertically Integrated Operation

Characteristics of Passenger Railway Operation in Japan

On each section, a single operator is responsible for the railway operation.



Competition in the Rail Sector in Japan

- 1) Competition with other modes of transport **Exists**
- 2) Competition between the tracks *Exists*
- 3) Yard-stick competition / Profitability competition Introduced
- 4) Competition for the Market (Competitive Bidding) So far a few cases

✓ Rail companies can keep an integrated operation.

5) Competition in the Market (Open Access/On-track Competition)

Is not introduced in Japanese market

✓ Rail operation will be separated.

1) JR Lines

Affiliated Businesses by Railways

- Private railways have been actively promoting affiliated businesses.
- Business scope was limited during the era of JNR. However, JR companies started to promote the affiliated businesses since JNR reform in 1987.



A office building beside Shinjuku Station



Shops in the Station



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Thank you

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