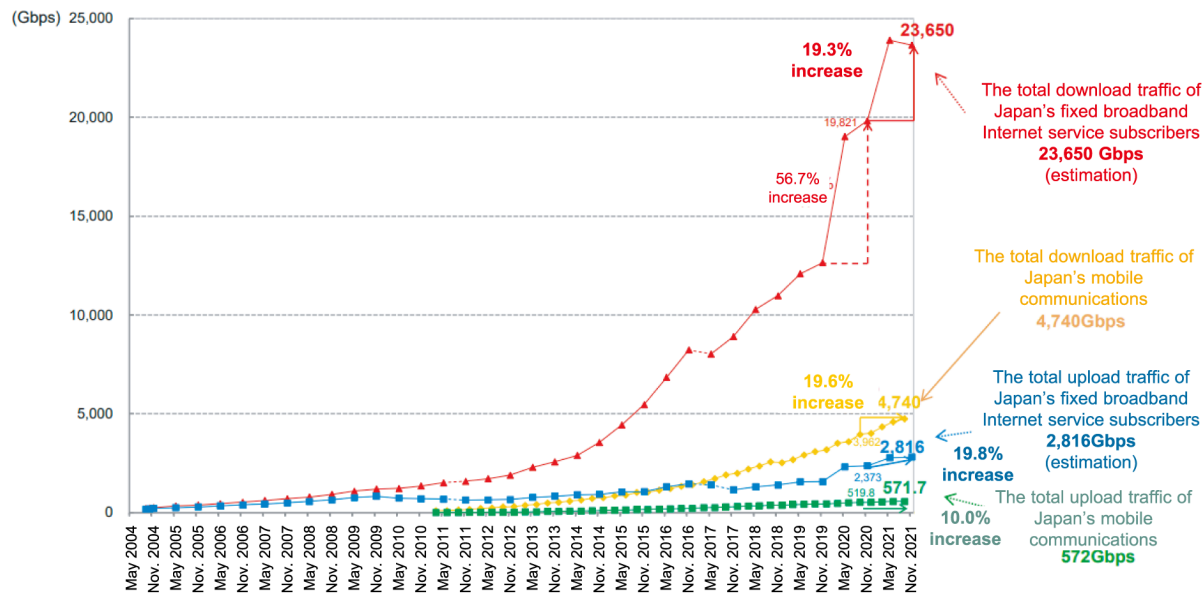


Chapter 2

Section1

4. Changes in Internet traffic (Figure 2-1-1-4 in White Paper)



(Source) MIC (2022), "Aggregation result of Internet traffic in Japan (in November 2021)"

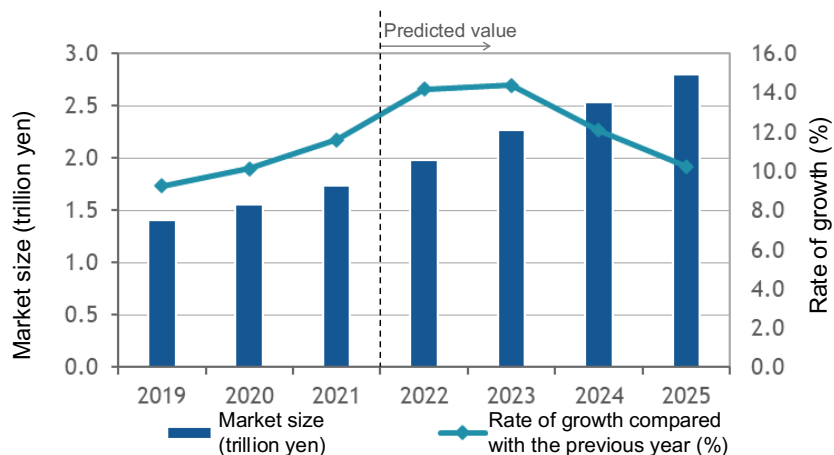
5. Predictions for IT-related power consumption (Figure 2-1-1-5 in White Paper)

Forecast of IT-related power consumption	2016	2030	2050
IP traffic (ZB/year)	4.7	170	20,200
Power consumption (Japan: TWh/year)	41	1,480	176,200
Power consumption (World: TWh/year)	1,170	42,300	5,030,000

(Source) Center for Low Carbon Society Strategy, Japan Science and Technology Agency (2019) "Impact of Progress of Information Society on Energy Consumption (Vol. 1): Current Status and Future Forecast of Data Center Energy Consumption and Technical Issues"

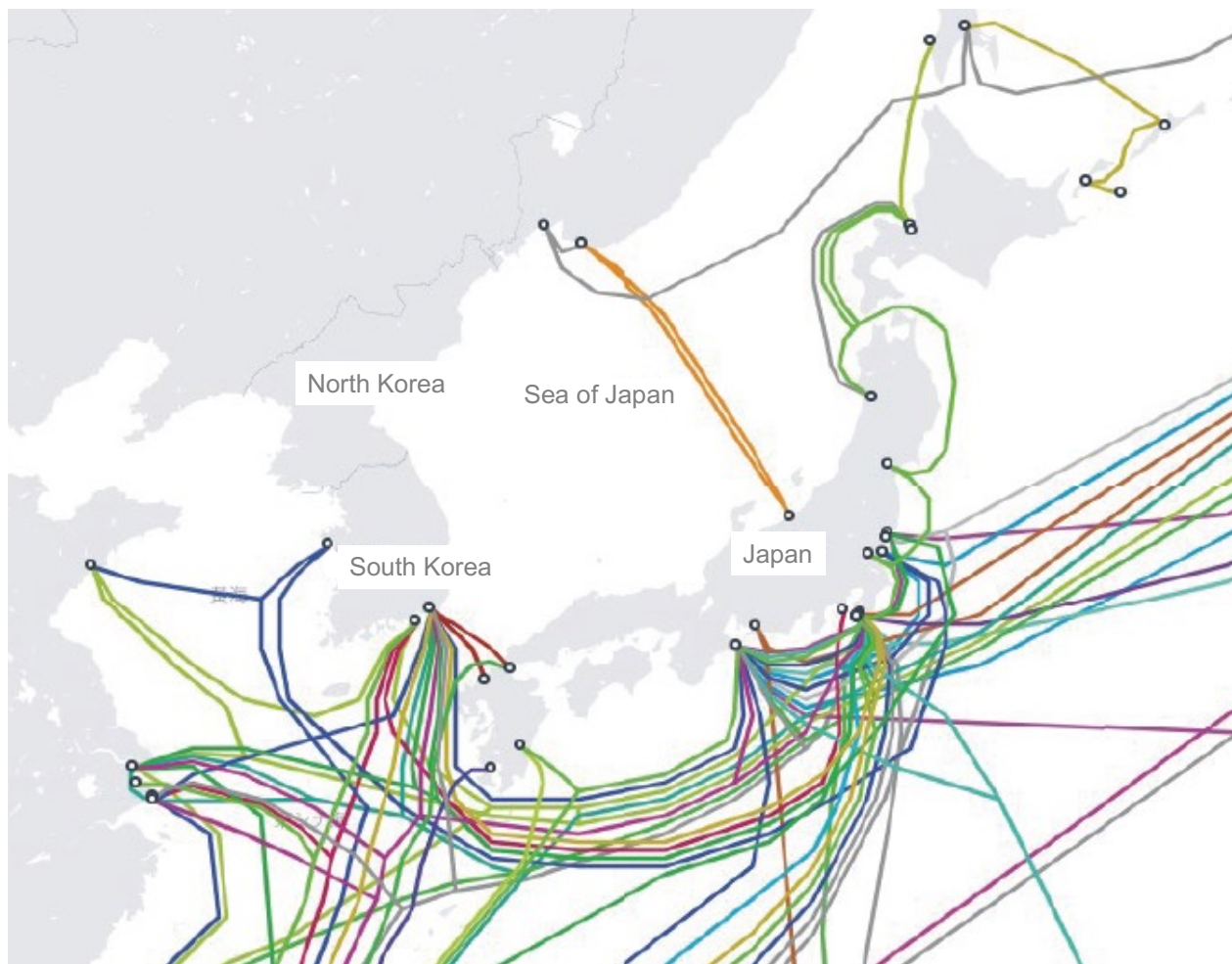
Section2

Changes and forecasts for the size (sales) of the data center service market in Japan (Figure 2-2-1-1 in White Paper)



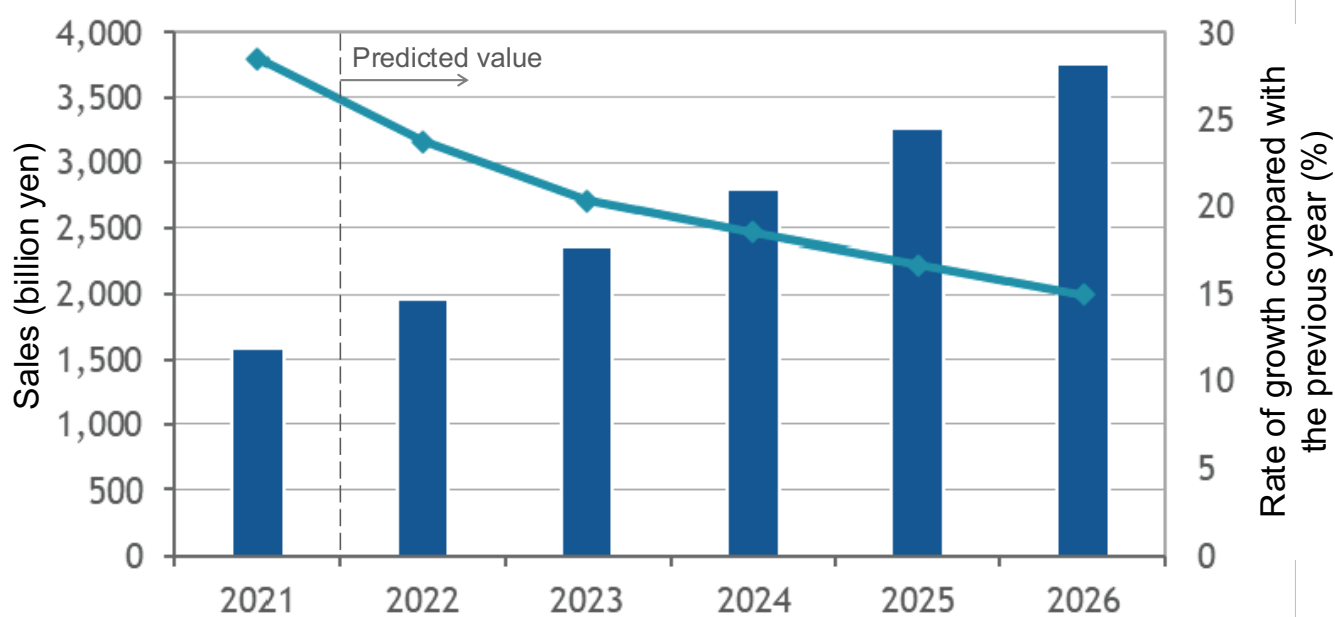
(Source) IDC Japan

2. Map of submarine cables laid around Japan (Figure 2-2-1-2 in White Paper)



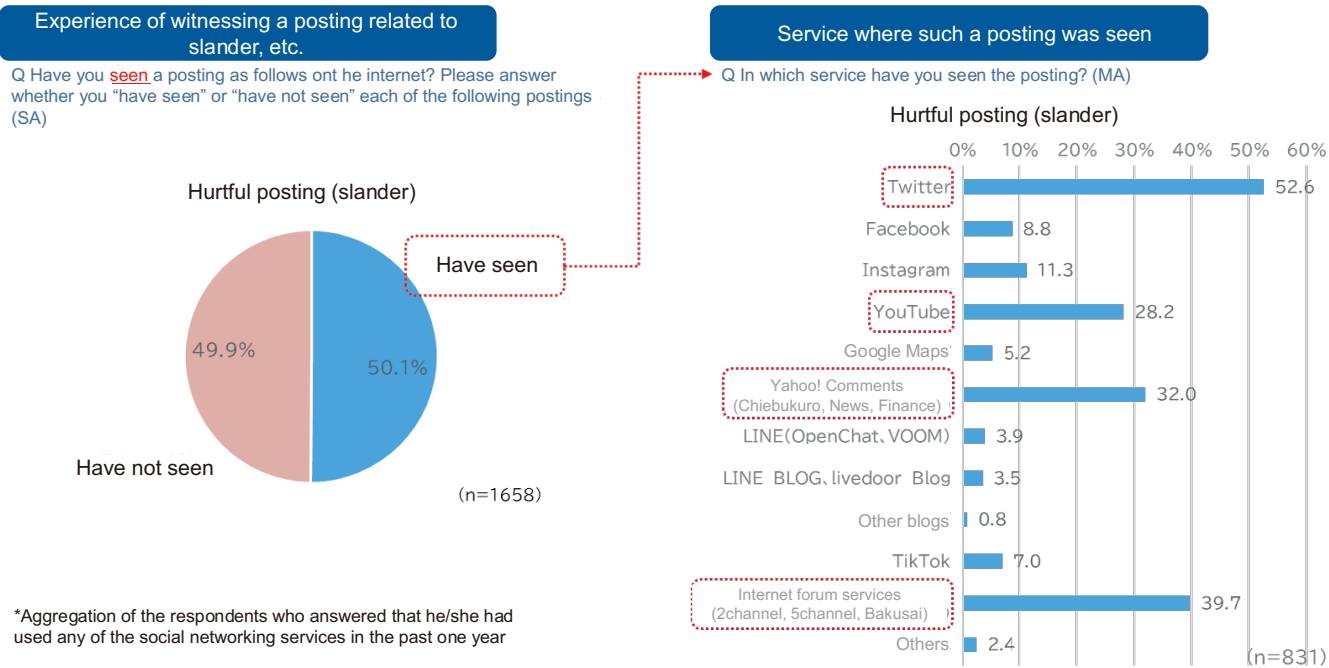
(Source) TeleGeography, "Submarine Cable Map"

3. Changes and forecasts for the market size (sales) of public cloud service in Japan (Figure 2-2-1-3 in White Paper)



(Source) IDC Japan

5. Experience of witnessing a post related to slander, etc. and the service where such posts were found (Figure 2-2-3-1 in White Paper)

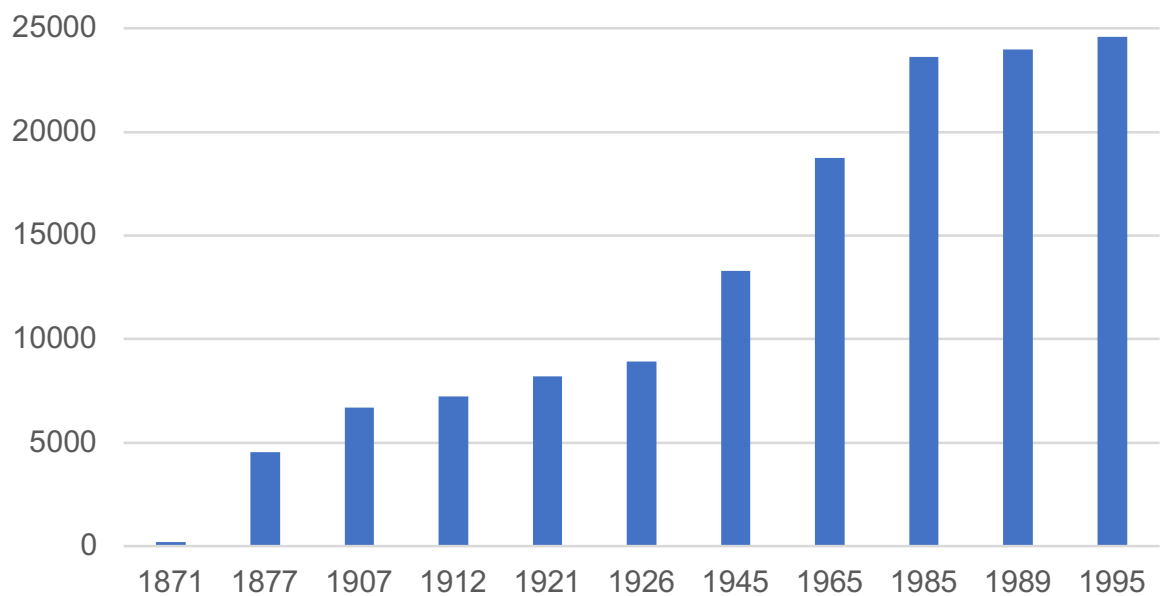


2. Model cities of the Utopia Vision



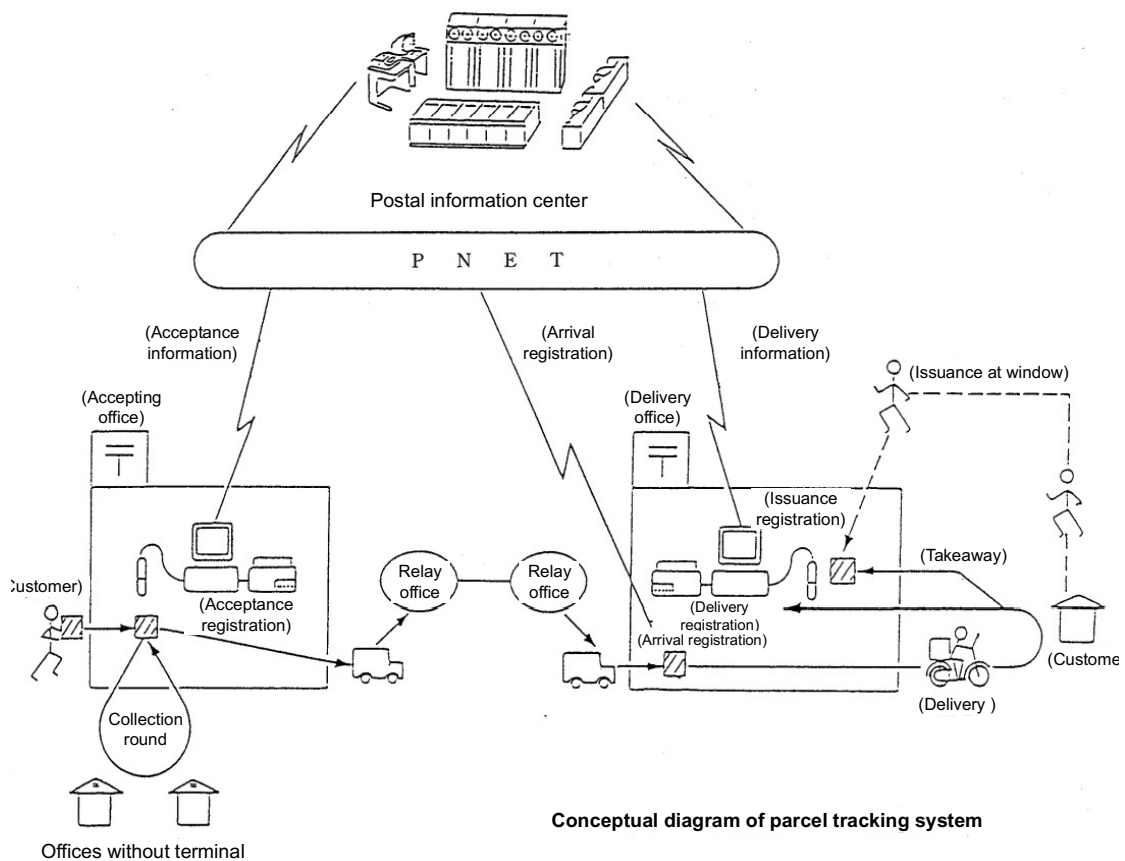
(Source) Excerpt from 1989 Communications White Paper

3. Changes in the number of postal service facilities



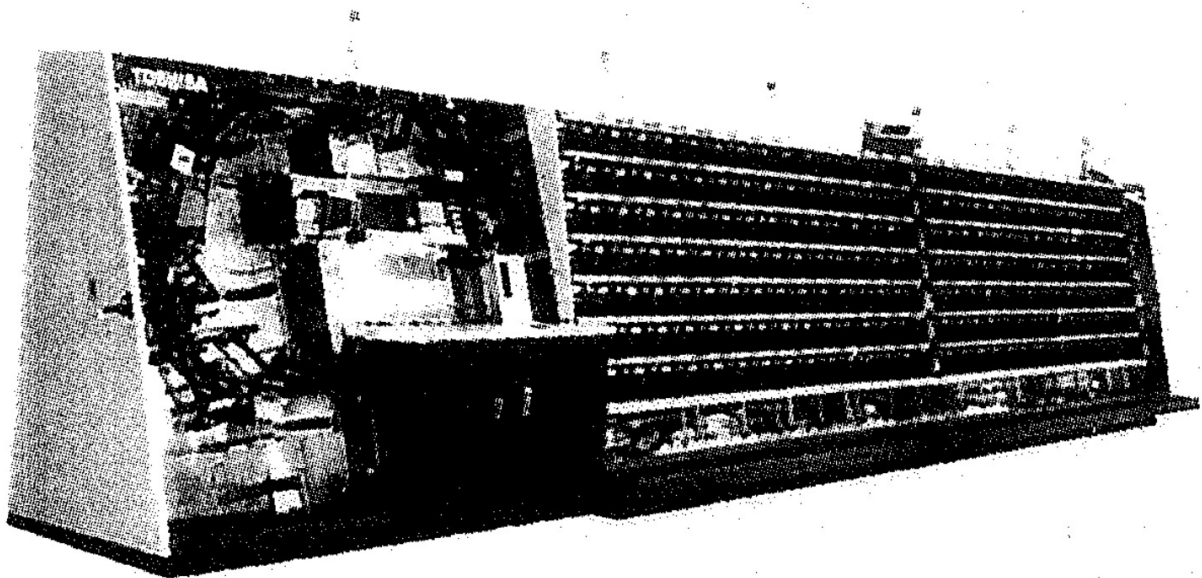
(Source) NAKAMURA Yoshiaki (1997), "Transition of Postal Undertaking over 100 years -From Railroad Horse to Car & Airplane, from Manual Handling to Machine Processing" Japan Society of Mechanical Engineering, Vol.100, No.939, pp.177-184.
https://www.jstage.jst.go.jp/article/jsmemag/100/939/100_KJ00003054331/_pdf/-char/ja

4. Parcel tracking system



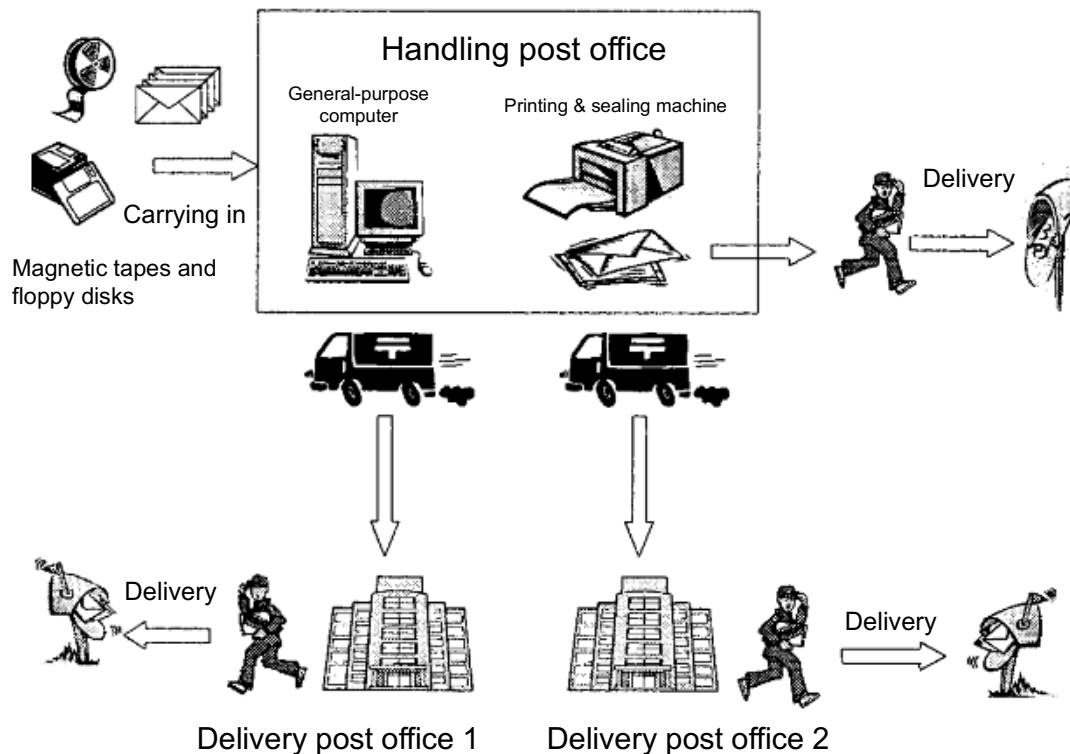
(Source) NAKAMURA Yoshiaki (1997), "Transition of Postal Undertaking over 100 years -From Railroad Horse to Car & Airplane, from Manual Handling to Machine Processing" Japan Society of Mechanical Engineering, Vol.100, No.939, pp.177-184.
https://www.jstage.jst.go.jp/article/jsmemag/100/939/100_KJ00003054331/_pdf/-char/ja

5. Automatic postal code reading and sorting machine



(Source) NAKAMURA Yoshiaki (1997), "Transition of Postal Undertaking over 100 years -From Railroad Horse to Car & Airplane, from Manual Handling to Machine Processing" Japan Society of Mechanical Engineering, Vol.100, No.939, pp.177-184.
https://www.jstage.jst.go.jp/article/jsmemag/100/939/100_KJ00003054331/_pdf/-char/ja

6. Process of digital postal service



(Source) MITSUYA Yuichi, "Digital Postal Service – New Postal Service of Internet Age" UNYSIS TECHNOLOGY REVIEW, No.73, May 2002.
<https://dl.ndl.go.jp/info:ndljp/pid/8559771>

7. Services provided in model cities of Yu-topia Vision (the first designated cities)

(As of the end of FY1989)

Service menu	Model city	Musashino City	Utsunomiya City	Sakuraga City	Odawara City	Matsuyama City	Numazu City	Takayama City	Kanazawa area	Wakayama City	Nishinomiya City	Matsue City	Hofu City	Matsuyama area	Kurume City	Miyazaki City	Yamagata City	Shioga area	Otari City	Hakodate City	Naha City
1 Issuing illustrated postcards		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
2 Developing and introducing travel brochures		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
3 Developing and introducing Hometown Parcels		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
4 Holding culture schools		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
5 Forming elderly pen pal circles		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
6 Offering post office conference facilities for use			○			○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
7 Offering space in post office lobby		○	○			○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
8 Ensuring a community space			○	○		○			○	○			○	○	○					○	
9 Installing new media equipment		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
10 Setting up small post offices			○	△	○	○		○	○	○	○	○	○	○	○	○	○	○	○	△	
11 Setting up letter presentation spots		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
12 Setting up memorial posts		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
13 Accepting Letax user terminal		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
14 Cyclic collection and delivery		○			○																
15 Town Mail			○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
16 Heart Letax		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
17 Gift Letax			○	○	○				○						○						
18 DM support service		○	○											○							
19 Select Post service		○										○					○				○
20 International correspondence service						○	○	○		△		○	○	○						△	○
21 Sister city commemorative service			○		○	○	○							○						○	
22 Enhancement of overseas Hometown Parcels									○												

*Circles in the table indicate services implemented or in operation. Triangles indicate services in preparation.

(Source) 1990 White Paper - Communications in Japan
<https://www.soumu.go.jp/johotsusintokei/whitepaper/ja/h02/html/h02b0220.html>

8. Affairs handled by postal service offices

Issuance of certificates

Acceptance of requests for issuance of the following and issuance of copies and certificates (requested by the person):

- ① Copy of the family register
- ② Certificate of tax payment
- ③ Copy of the person's alien registration file and certificate of matters entered in an alien registration file
- ④ Copy of the certificate of residence, certificate of items entered in the certificate of residence
- ⑤ Copy of the attachment to a family register
- ⑥ Seal registration certificate

Examples of the services provided at post office service counter

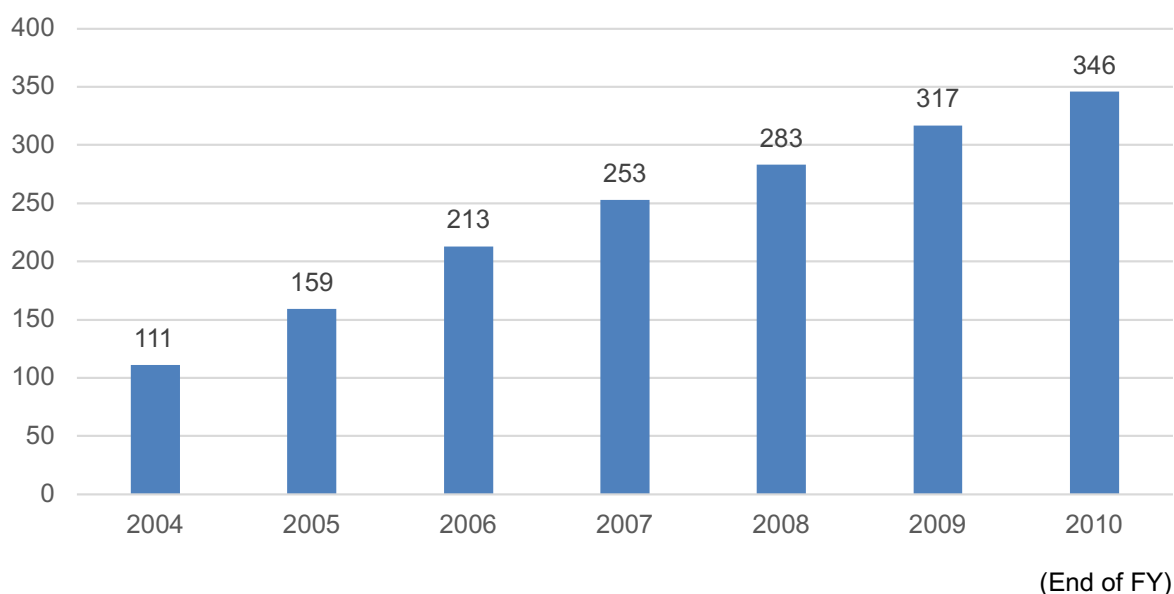
- ① Selling of tickets for municipal bus, garbage disposal tickets, excretion treatment tickets and garbage bags
- ② Intermediary of applications for use of public facilities/learning courses

Examples of the services by external staff

- ① Dropping by and talking with the elderly, delivering commodities, etc.
- ② Delivery of library books and returning to libraries
- ③ Providing information about illegal waste dumping

(Source) 2002 White Paper – Information and Communications of Japan
<https://www.soumu.go.jp/johotsusintokei/whitepaper/ja/h14/html/E3092000.html>

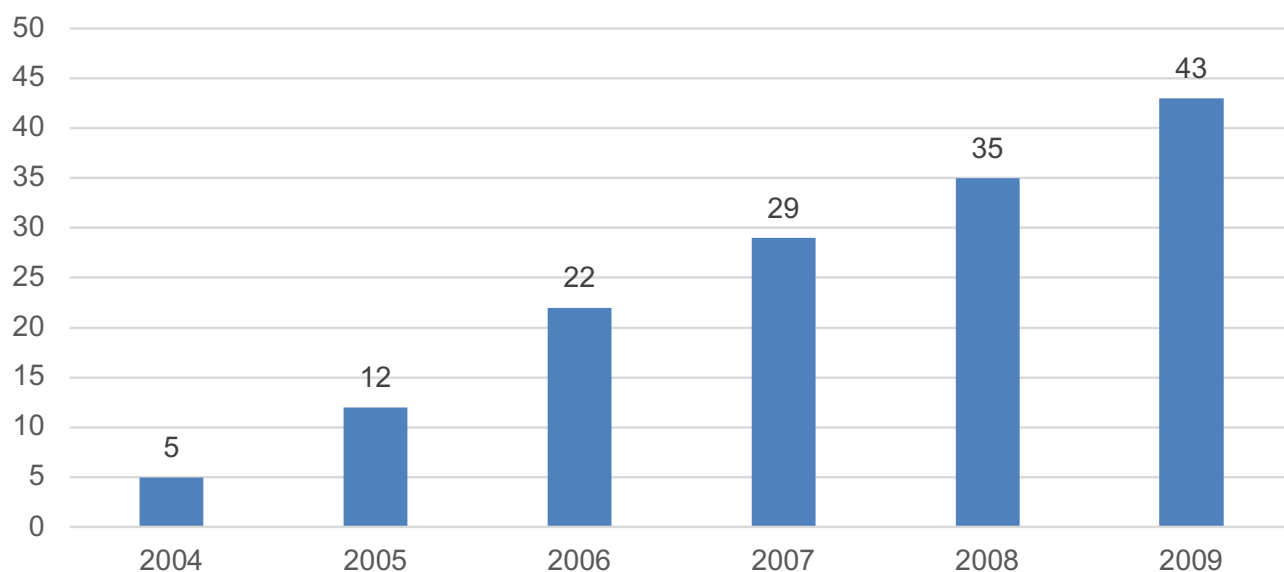
10. Changes in the number of specified correspondence delivery service providers



(Source) 2011 White Paper – Information and Communications of Japan
<https://www.soumu.go.jp/johotsusintokei/whitepaper/ja/h23/html/nc347210.html>

11. Changes in the sales of correspondence delivery service providers

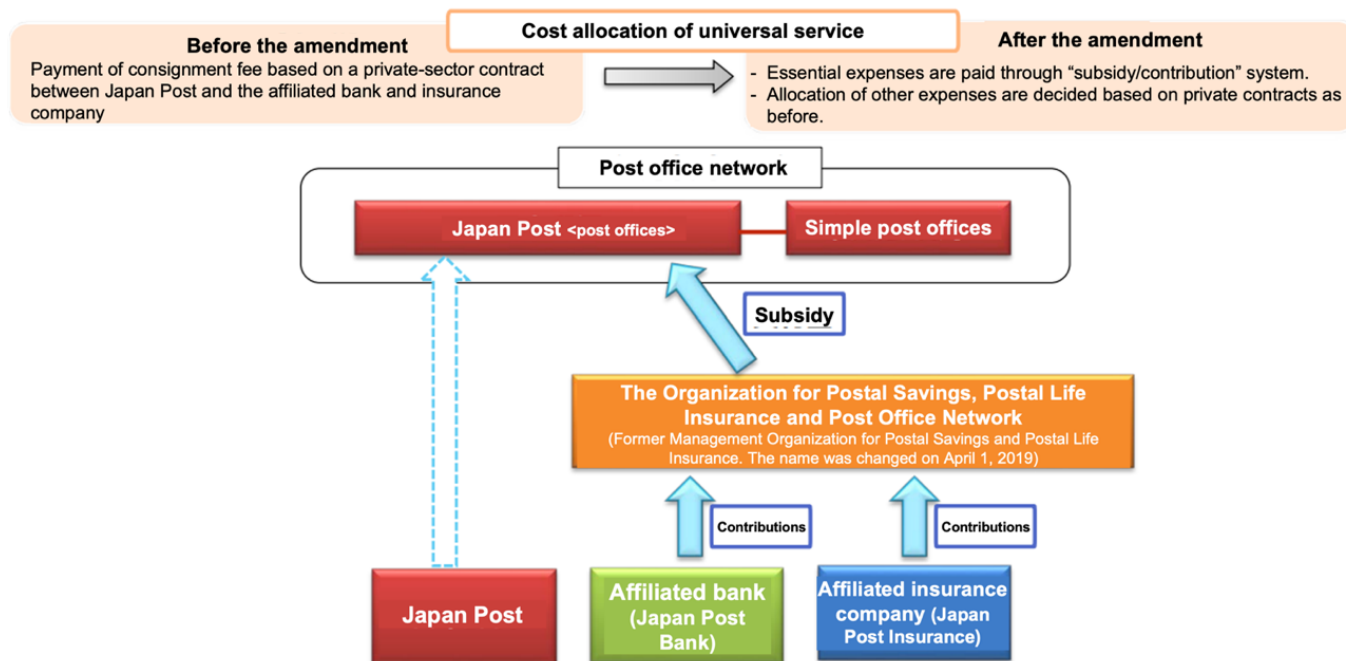
(100 million yen)



(End of FY)

(Source) 2011 White Paper – Information and Communications of Japan
<https://www.soumu.go.jp/johotsusintokei/whitepaper/ja/h23/html/nc347220.html>

12. Subsidy/contribution system

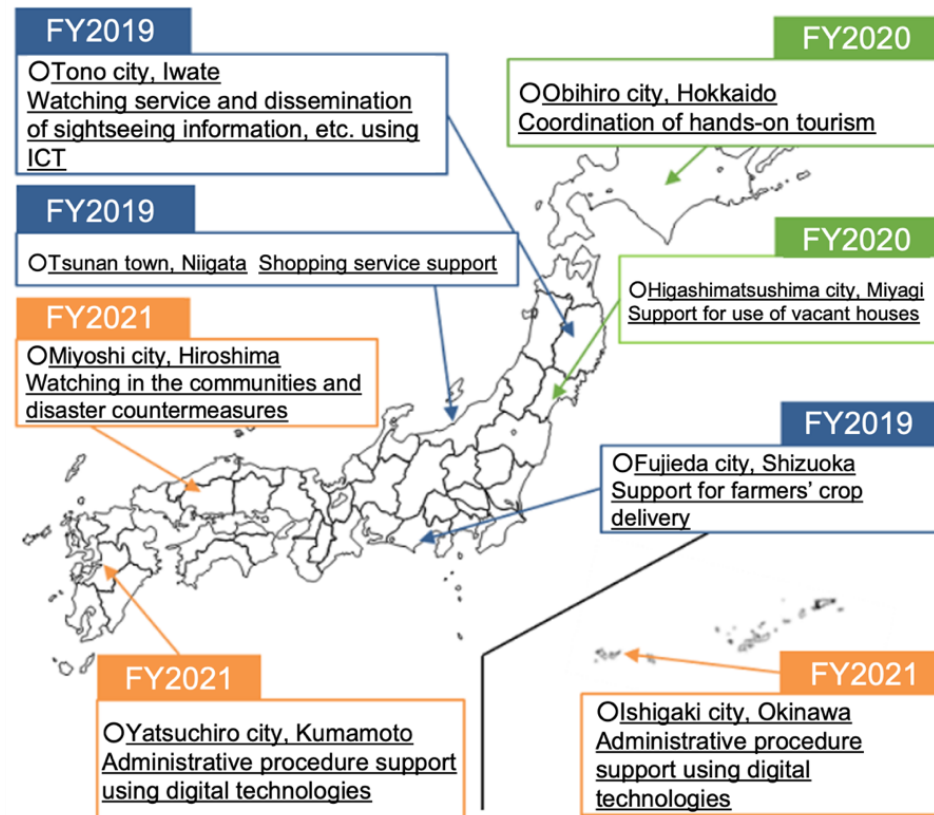


(Source) MIC, "Commencement of a subsidy/contribution system to support the maintenance of the post office network" (April 11, 2019)
<https://www.yuseimineika.go.jp/iinkai/dai201/siryou201-2.pdf>

13. Post office revitalization project

Project area

*Implemented as a research study by a thinktank



(Source) MIC "Post office revitalization project (post offices, local governments and ICT)"
<https://www.soumu.go.jp/yusei/kasseika.html>