

# About “JPRS” and “.jp”

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ccNSO Members Meeting @ Kobe

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JPRS

# About JPRS

- Company Information
  - Private Company (for profit)
  - Established on 26 December 2000
  - Based in Tokyo (Head Office), Osaka
  - 91 employees (as of 1 March 2019)
- Services
  - .JP Registry
  - ICANN Accredited gTLD Registrar
  - Server Certification Authority
  - Registry Service Provider to gTLDs

# About .JP

- Domain Names: 1,552,763 (as of 1 February 2019)
- Registrars: 600+
- Local presence required for registration
- Types of JP Domain Name
  - General-use
    - jprs.jp
    - 日本レジストリサービス.jp
  - Prefecture type
    - example.tokyo.jp
    - ドメイン名例.tokyo.jp
  - Organizational type
    - jprs.co.jp
  - Geographic type
    - exmple.chiyoda.tokyo.jp

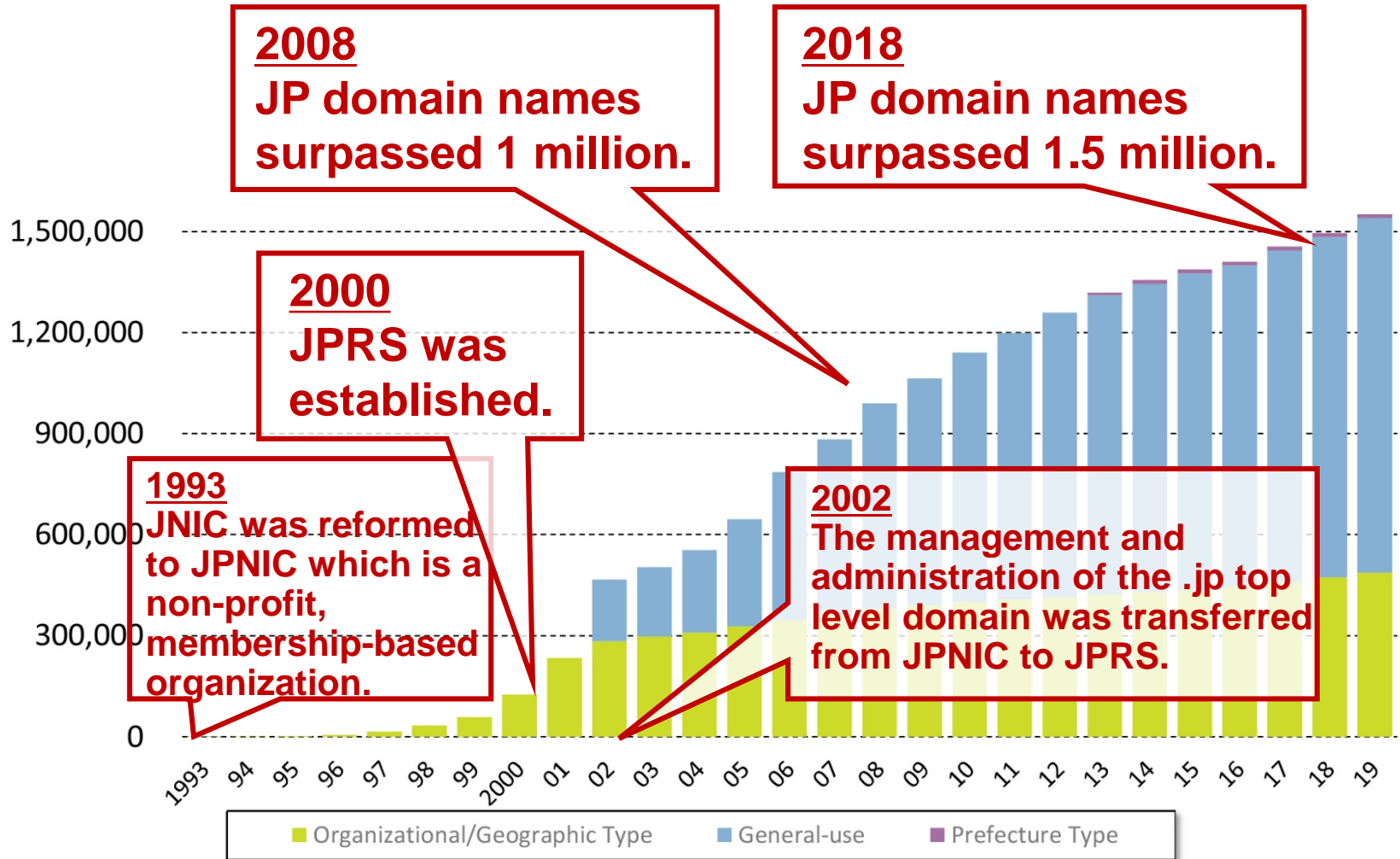
# Number of JP Domain Names

As of 1 Feb. 2019

(Inclusive total: 1,552,763)

<b>General-Use JP Domain Name</b>		<b>(Total: 1,053,119)</b>
<b>Prefecture Type JP Domain Name</b>		<b>(Total: 11,636)</b>
<b>Organizational /Geographic Type JP Domain Name</b>		<b>(Total: 488,008)</b>
ad.jp	Members of JPNIC	254
ac.jp	Universities, Technical schools, Incorporated schools	3,645
co.jp	Incorporated companies, Limited companies	418,415
go.jp	Government organizations, Government-affiliated organizations	575
or.jp	Foundation, Aggregate corporation	36,423
ne.jp	Network services	13,249
gr.jp	Arbitrary organization	6,008
ed.jp	Schools including primary, junior and senior high schools	5,332
lg.jp	Local Government	1,887
geo.jp	Geographic Type	2,220

# History of “JPRS” and “.jp”



# Status of Domain Names in Japan

- **Recognition of Domain Names**  
51% understand the words and meanings of “Domain Names”
- **Registration experience of Domain Names**  
13% have Domain Names registration experience
- **Registered TLDs**  
60% for 「.jp」 , 50% for 「.com」 ,  
10% for 「.net」 , less than 10% for 「.info」 , 「.biz」 , 「.org」, ...

\*According to Internet-based research.

# Activities for the Growth of Understanding



Distribution of free cartoon booklet to educational institution across Japan



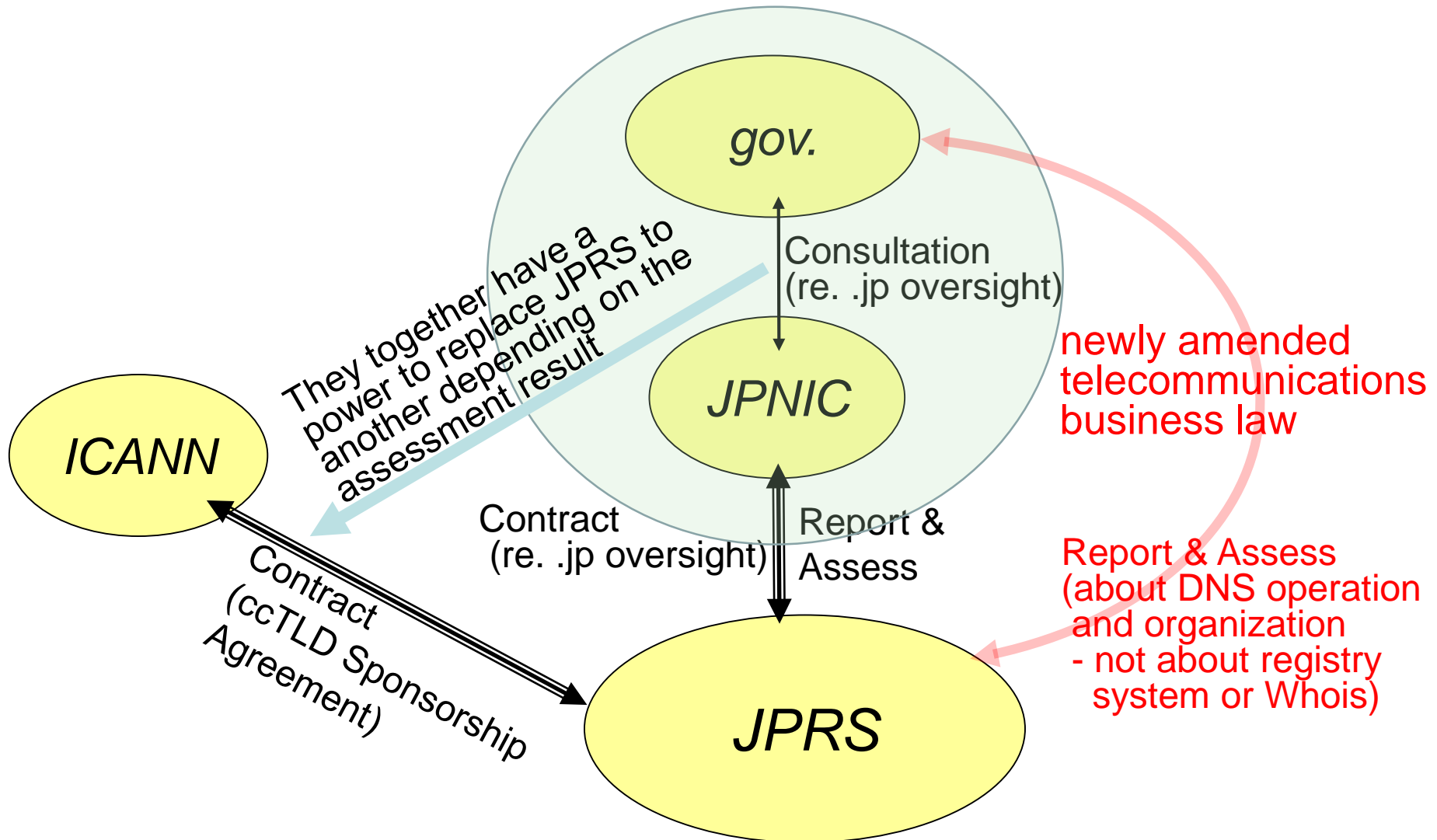
Cooperation to producing comic-style book “Secret of the Internet (New Edition)” as a learning material for elementary school students



Cooperation to publishing introductory book of DNS written by engineers of JPRS

# Contractual framework of .JP management

- effective on 21 May 2016 -





# Obligations of TLD Registries

- under amended telecommunications business law -

- TLD Registries that have to observe amended telecommunications business law
  - JPRS (.jp)
  - GMO Domain Registry (.nagoya, .tokyo, .yokohama)
  - Business Ralliart (.okinawa)
  - Interlink (.osaka)
- What obligations
  1. Making documents of internal rules for administration of their telecommunications facilities and submitting them to gov.
  2. Providing fair services without refusal
  3. Reporting significant accidents to gov.
    - Significant DNS failure (at the time of accident without delay)
    - Less significant DNS failure (quarterly)
  4. Publication of financial accounting statements (every year)
  5. ....

# “.jprs” R&D Platform

.jprs is;

- gTLD operated by JPRS
- experimental environments, where we can learn lessons from realistic full-scale simulation of usage, incidents, errors, failures, ...
  - ▷ what we learn from .jprs will lead us to new designs of .jp system and operation, and further convey hints to the local and global community
- Your suggestion and cooperation to try various scenarios using .jprs is most welcome

# Joint Research with Local ISPs

- example of an experiment on .jprs -

- Goal: to keep continuous access to the Internet resources
  - Provide continuous DNS resolutions, by local nodes of anycast TLD DNS of .jprs

- 8 domestic ISPs participated in the experiment

- Each of their service area covers designated geographical areas without overlapping, and they collectively cover the whole Japan
- The ISPs are subsidiary of regional electricity companies, thus have robust infrastructures

