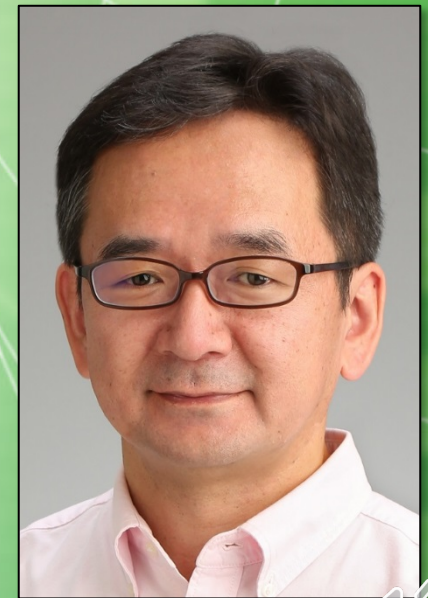


# Governance Models in Japan

## IP Numbers Management and Promotion

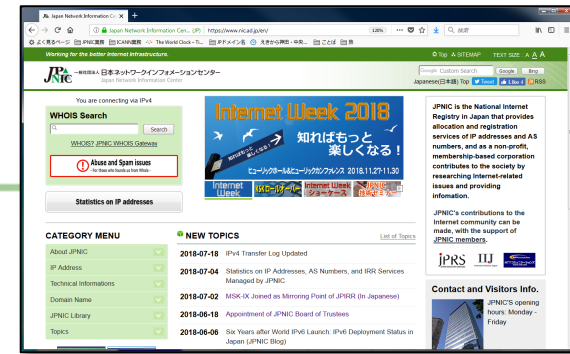
MAEMURA Akinori (前村 昌紀)

JPNIC – Japan Network Information Center



# What is JPNIC?

<https://www.nic.ad.jp/en/>



- Not a ccTLD manager, but
- Internet Promotion Body in Japan
  - Mission Statement: *Contributing to the sustainable operation of the Internet*
  - Half **APNICish** – IP Address management
  - And **ISOCish** business for the other half
- Non-governmental, not-for-profit, an *Incorporated Association* (社団法人)



# ISOCish side of JPNIC

<https://www.nic.ad.jp/en/>



- Events & Seminars
  - Internet Week – annual conference
  - ICANN Readouts – after every ICANN meeting
  - Tech Seminars – IPv6, Routing, DNS...
- Publishments
  - Paper Magazines (3/year), Mail Magazines (1+/week) , Web and Blog
- Secretariat Support
  - ISOC Japan Chapter, IGCJ, etc.
- Research
- Internet Coordination



# The Internet Timeline

https://www.nic.ad.jp/timeline/en/

The Internet Timeline - JPNIC

Japan Network Information Center (JP) https://www.nic.ad.jp/timeline/en/

Categories (Click To Hide/Show)

- JPNIC
- IP Address
- Domain Name
- Event
- Network
- Device/Service
- Legal framework
- Security
- Others

Event (Oversea)

- 1993 Jul HTML Version 1.0 was published.
- 1993 Sep RFC for CIDR (Classless Inter-Domain Routing) was published.
- 1993 Sep 1 APNIC pilot project was launched.

APNIC (Asia Pacific Network Information Centre) is the Regional Internet Registry covering the Asia Pacific region, originally proposed by Jun Murai and Masaki Hirabaru (JPNIC/WIDE project) at APCCIRN (Asia-Pacific Coordination Committee for International Research Networking) conference. At the APCCIRN conference held in August 1993 in San Francisco, "APNIC pilot project" started to consider and operate APNIC functions in a limited period between September 1993 and June 1994. In fact, APNIC WG was in JPNIC and Japanese members were involved in assignment of IP addresses of the AP region.

Related URL

Event (Japan)

- 1993 Jun RFC1466(ISO-2022-JP) was issued.
- 1993 Oct Rimnet Corporation started to provide commercial ISP services.
- 1993 Nov IJ launched Internet connection service.
- 1993 Dec NTT started the "What's New in Japan" service which became a pioneer of Japanese portal site.

# And the History in Japan

<https://www.nic.ad.jp/timeline/en/20th/>

Preface - History of Internet

Japan Network Information... (JP) | <https://www.nic.ad.jp>

よく見るページ ICANN 旅

## History of Internet Resources Management in Japan

Focusing on Domain Name and IP Address

Tweet Like 0

Japanese

### Preface

**History of Internet Resources Management in Japan - Focusing on Domain Name and IP Address** was originally compiled in Japanese, and this is English translation.

The Internet was born in the United States, but it evolved and expanded, connecting many networks and engaging many more people all around the world. Internet resource management also started in US, but it too expanded, particularly with Country Code TLDs and Regional Internet Registries (RIRs). Japan has been involved in the Internet since late 1980s as one of the pioneers, and so it was involved in the expansion of resource management. This document follows the history of the Internet, focusing particularly on resource management. Many chapters describe what happened in Japan, while others describe global movements, though often from Japan's perspective.

In general, this history has been simply translated from the original version, but there is additional text in some parts to provide more context for readers less familiar with the Japanese situation. The entire English content was edited by Mr. Gerard Ross, the former Communication Manager at APNIC who also recently compiled the history of APNIC<sup>1</sup>. The smoothness of the language is thanks to his effort, which the History Compilation Team appreciates very much.

We believe that Internet history from a country other than the US is an interesting and useful reference for people around the world. We do hope you enjoy it.

[open all section menu](#)  
[close all section menu](#)

- + [Preface](#)
- + [Chapter1 Resource Management and Registry](#)
- + [Chapter2 Resource management before JNIC and JPNIC](#)
- + [Chapter3 Restructuring toward fully-fledged resource management by JPNIC](#)
- + [Chapter4 Transition of resource management policy for domain names](#)
- + [Chapter5 IP address policy in the fully-fledged Internet age](#)
- + [Chapter6 Building the global IP address management structure](#)
- + [Chapter7 Framework for global domain name management led by ICANN](#)
- + [Chapter8 General-use JP Domain Name and establishment of JPRS](#)
- + [Chapter9 "Publication" and "disclosure" of registration information](#)
- + [Chapter10 IPv4 address pool exhaustion and IPv6](#)
- + [Appendix1: IP address and domain name](#)
- + [Appendix2: Transition of Internet](#)

# APNICish side of JPNIC

<https://www.nic.ad.jp/en/>

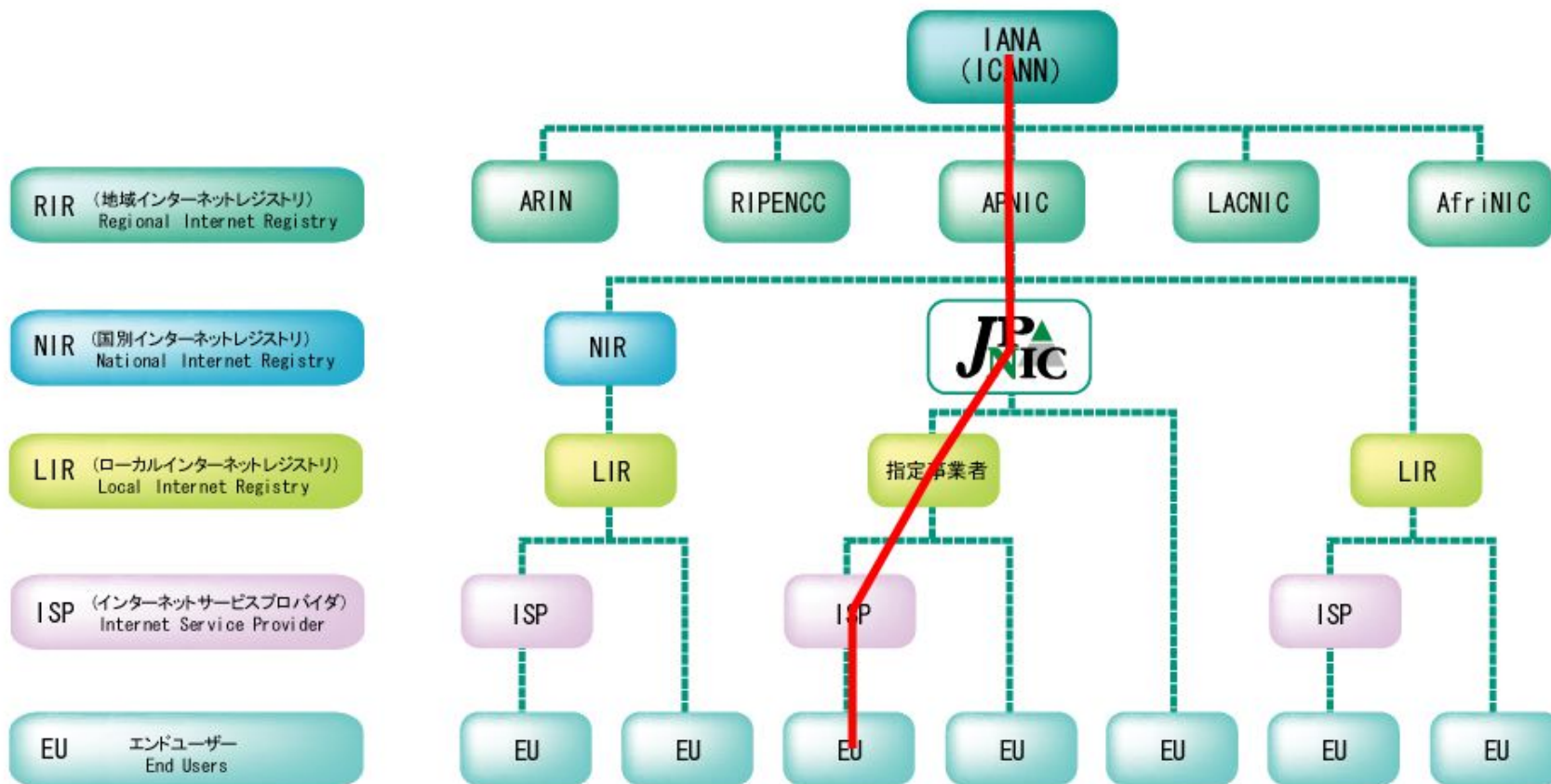
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- IP Address Management
  - Since 1991
  - Launched APNIC in 1993
  - Now an *National Internet Registry* under APNIC
- Maintaining the registry of IP Numbers and their holders
- Distributing IP Numbers to *Local Internet Registries* in Japan
- Facilitating the policy development among the community
- Promoting IPv6 and facilitating IPv4 transfer

# National Internet Registry for Japan

<https://www.nic.ad.jp/ja/ip/admin-basic.html>

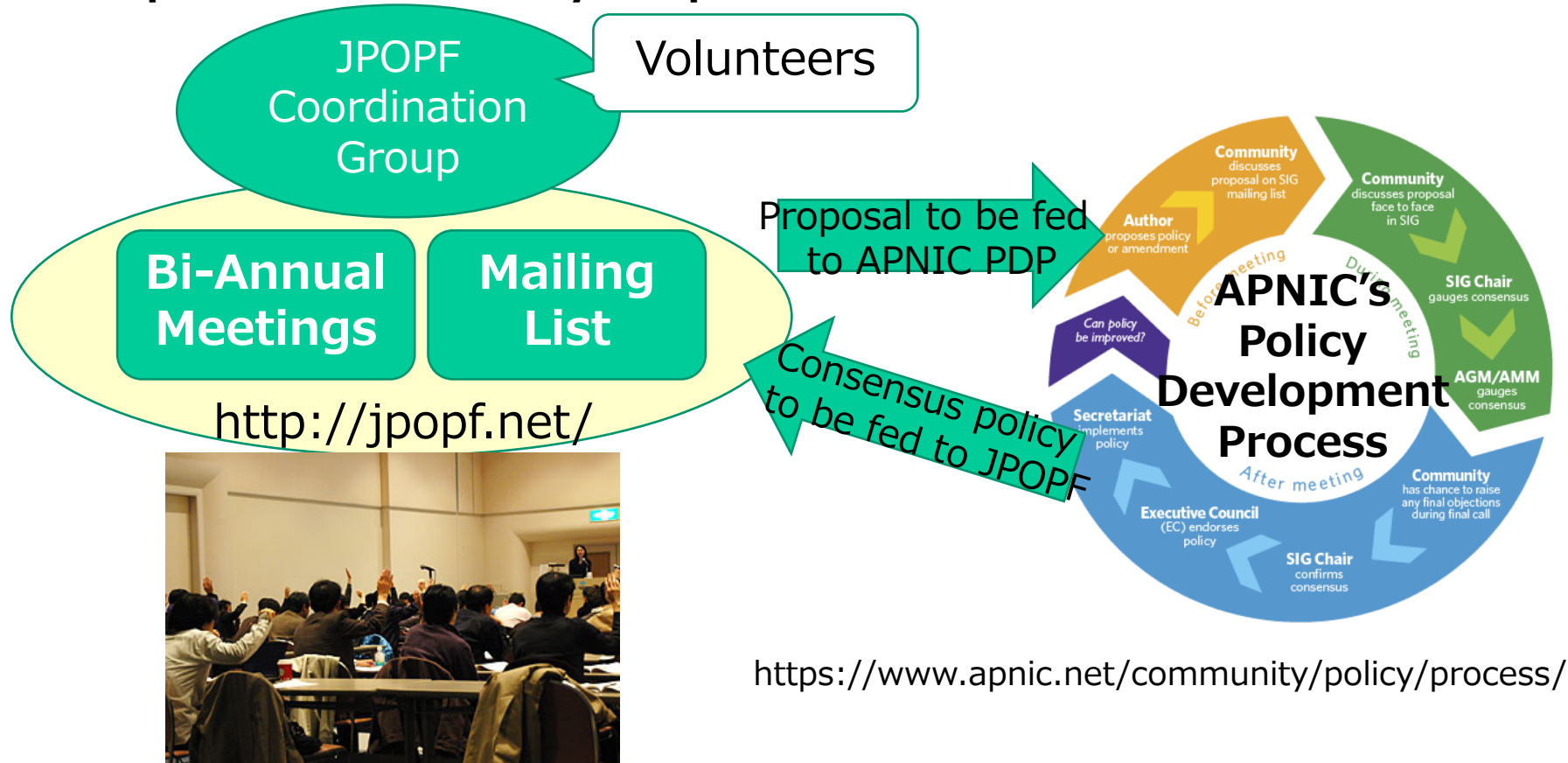
Seven economies with NIRs: CN, ID, IN, JP, KR, TW, VN



# Policy Development on IP Numbers in Japan

## Japan Open Policy Forum

= independent community led process





# Contributions from Japan to APNIC

\*: presently serving

- APNIC Executive Council
  - Toru Takahashi, Takashi Arano, Kazunori Konishi, Akinori Maemura, Izumi Okutani\*
- APNIC Address Policy SIG Chairs
  - Takashi Arano, Masato Yamanishi
- APNIC NIR SIG Chairs
  - Akinori Maemura, Izumi Okutani, Toshio Tachibana
- NRO Number Council / ICANN ASO Address Council
  - Takashi Arano, Tomohiro Fujisaki
- Chairs of CRISP Team for IANA Transition
  - Izumi Okutani
- ICANN Board ASO Appointee
  - Akinori Maemura\*

# Joint Efforts: IPv6 Deployment

## TF on IPv4 Exhaustion, Japan

<http://kokatsu.jp/en/>

## Study Group and Reports by the MIC

[http://www.soumu.go.jp/main\\_sosiki/joho\\_tsusin/policyreports/chousa/ipv6\\_internet/](http://www.soumu.go.jp/main_sosiki/joho_tsusin/policyreports/chousa/ipv6_internet/)

Meeting No.	Date	Event	Link
第34回	平成29年 3月 7日 (持ち回り開催)	配布資料	
	平成29年 1月26日	第四次報告書の公表に関する報道資料	
第33回	平成28年 1月20日	開催案内 配布資料 議事概要	
	平成27年12月 4日	第四次報告書(案)に対する意見募集に関する報道資料	
第32回	平成27年11月25日	開催案内 配布資料 議事概要	
第31回	平成27年10月28日	開催案内 配布資料 議事概要	
第30回	平成27年 9月30日	開催案内 配布資料 議事概要	
第29回	平成27年 9月28日	開催案内 配布資料 議事概要	
第28回	平成27年 8月19日	開催案内 配布資料 議事概要	
第27回	平成27年 7月13日	開催案内 配布資料 議事概要	
	平成25年 7月26日	第三次報告書第二次プログレスレポートの公表に関する報道資料	
第26回	平成25年 7月 1日	開催案内 配布資料 議事概要	
第25回	平成25年 6月10日	開催案内 配布資料 議事概要	
第24回	平成25年 5月23日	開催案内 配布資料 議事概要	
第23回	平成25年 4月24日	開催案内 配布資料 議事概要	
	平成24年 7月31日	第三次報告書プログレスレポートの公表に関する報道資料	
第22回	平成24年 7月17日	開催案内 配布資料 議事概要	
第21回	平成24年 6月28日	開催案内 配布資料 議事概要	
第20回	平成24年 6月18日	開催案内 配布資料 議事概要	
第19回	平成24年 5月30日	開催案内 配布資料 議事概要	
第18回	平成24年 5月17日	開催案内 配布資料 議事概要	

22 Communities/Industrial Bodies are Members

Composed of experts and industry decision makers



# Key Communities and Industry Organisations in Japan

## Industry Associations

## Technical Forum



## Internet Organization



## Research/Education



## Government



## Non-Technical Forum



## Topic Based Forum



Japan Chapter



## Local Govt.



Japan has several active communities/Internet organisations



# Thank you very much

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- also ありがとうございます、감사합니다、and many others!

## Governance Models in Japan IP Numbers Management and Promotion

MAEMURA Akinori (前村 昌紀)

JPNIC – Japan Network Information Center