

# IPv4 address exhaustion and IPv6 promotion to ISPs

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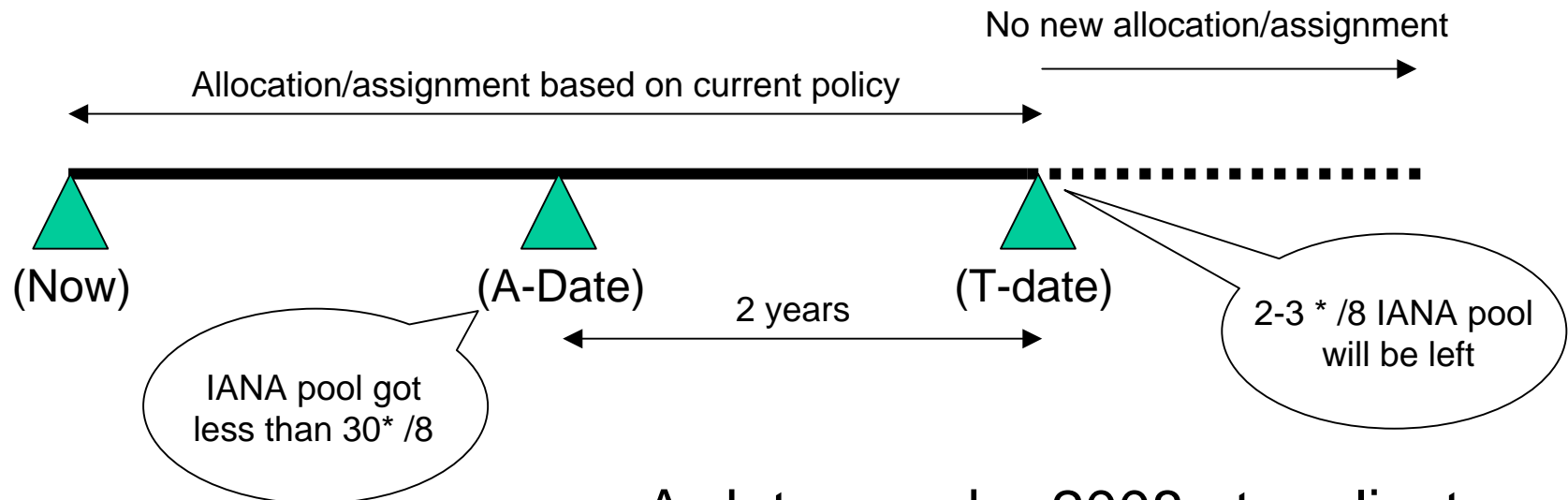
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- The most recent situation of IPv4 address exhaustion
- JPNIC's proposal "IPv4 count down policy"
  - Hosaka-san of JPNIC presents
- IPv6 Promotion to ISPs

# JPNIC's Draft Policy

- JPNIC is proposing “IPv4 countdown policy”
  - Announce the day in which the IANA pool becomes less than 30\*/8 (A-Date)
  - Terminate new allocation/assignment from RIR on the day (T-Date) exactly 2 years after A-Date



A-date may be 2008 at earliest

- After IPv4 address exhaustion, ISPs will not be able to
  - Get new customers,
  - Develop new services, nor
  - Expand their existing services to wider area.
  
- It is not an issue of getting more revenue, but an issue of business continuity.
  
- We have to let ISP executives understand this.

# One good example in Japan

- NTT West started new Internet Access service in 2005.
  - Includes IPv6 service network
    - Multicast enable
    - Closed network
  - They don't let customers know anything about IPv6.
- They already have nearly two millions customers
- Why IPv6?
  - Manageability
  - Future extensibility
  - Multicast

