(IETF76)

NAT444 Network Model

http://tools.ietf.org/html/draft-shirasaki-nat444-00

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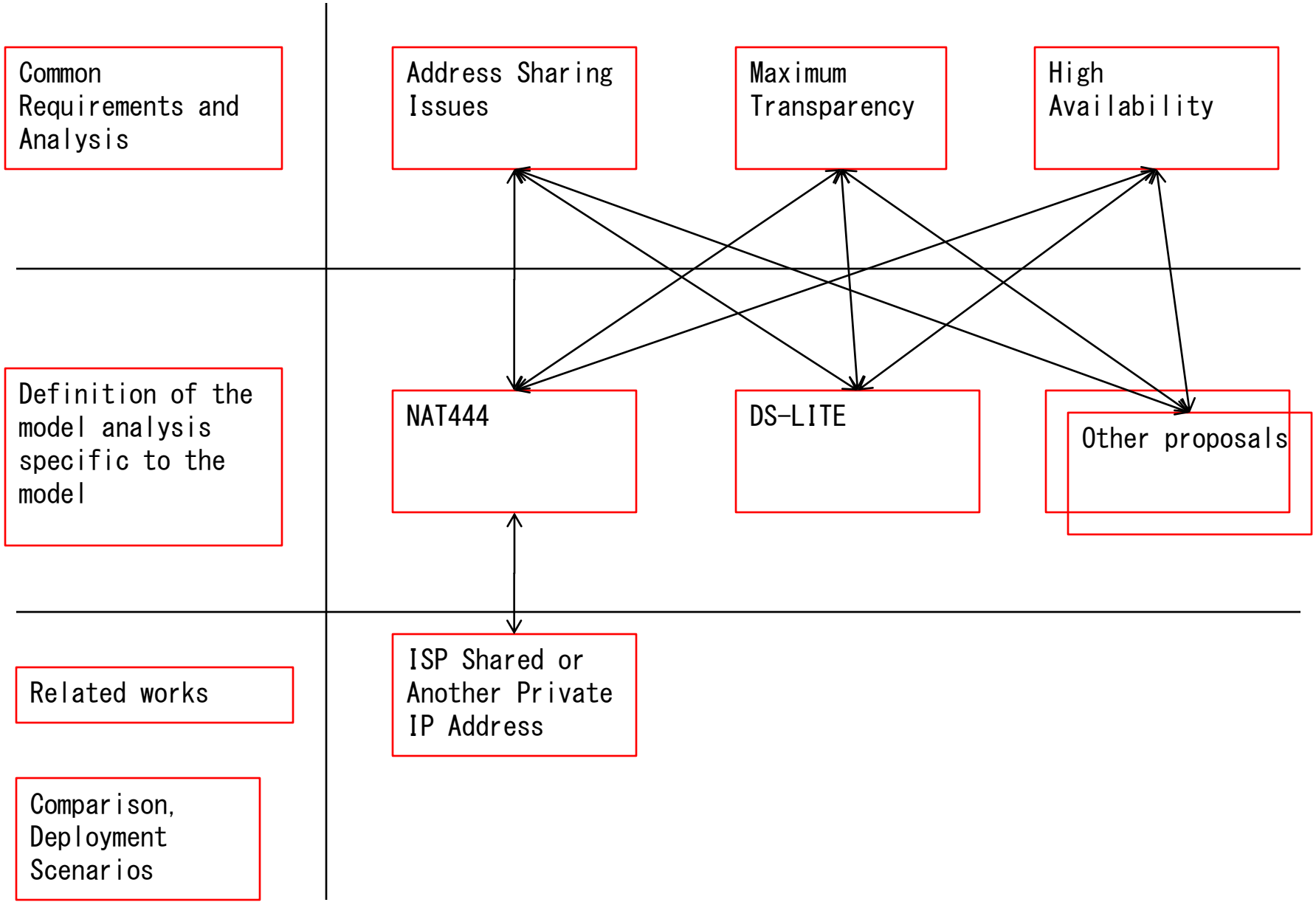
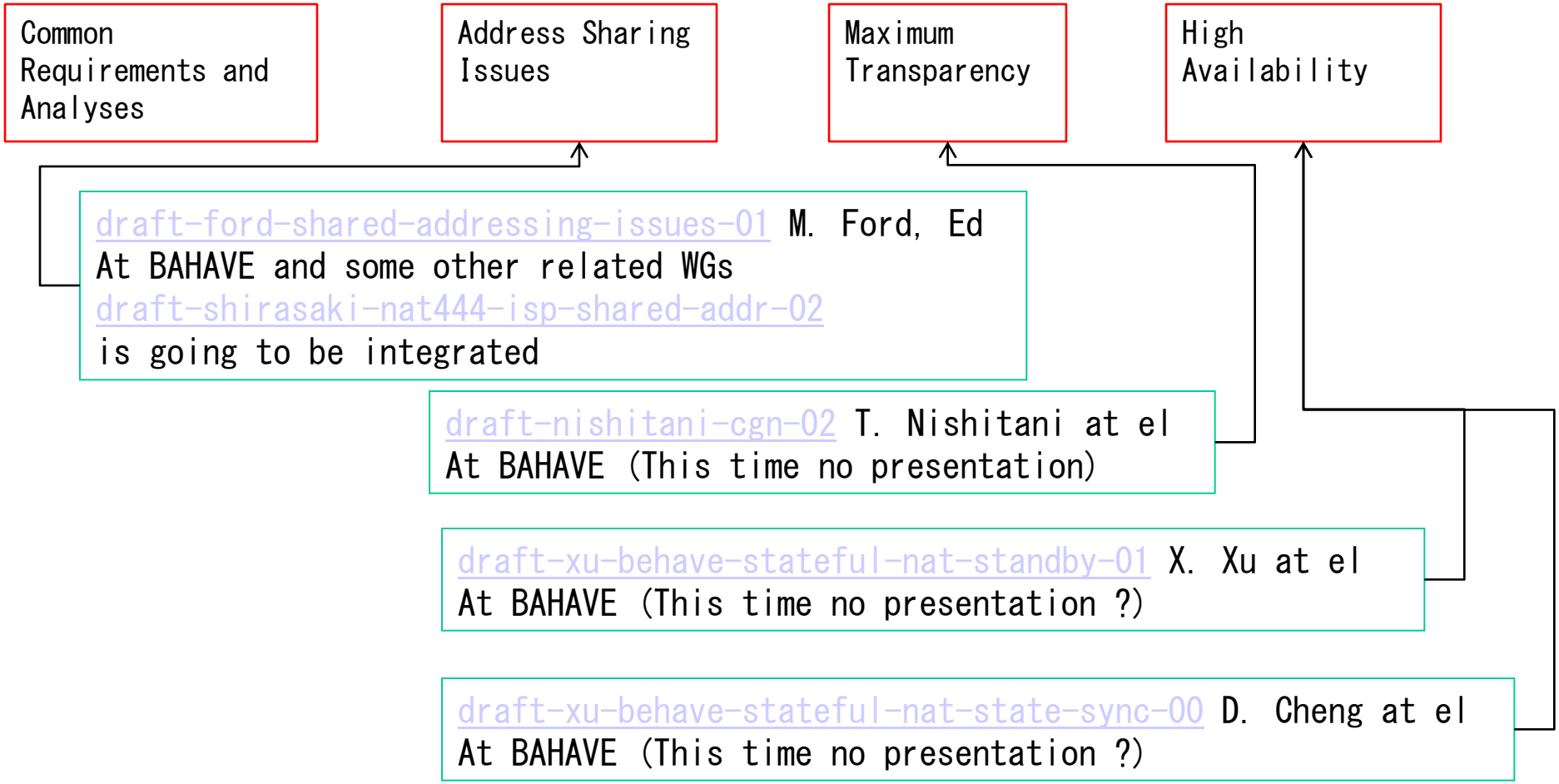
IPv4 address sharing schemes related I-Ds

- Authors are willing to propose to the folks around “IPv4 address sharing schemes” to have “structured relationship” between I-Ds
- We have already negotiated with Matt Ford’s group, X. Xu’s Group and Christopher LILJENSTOLPE and I would like to ask to my old good friends Alain and Randy and all the people who are working around this issues to be lined up, please.

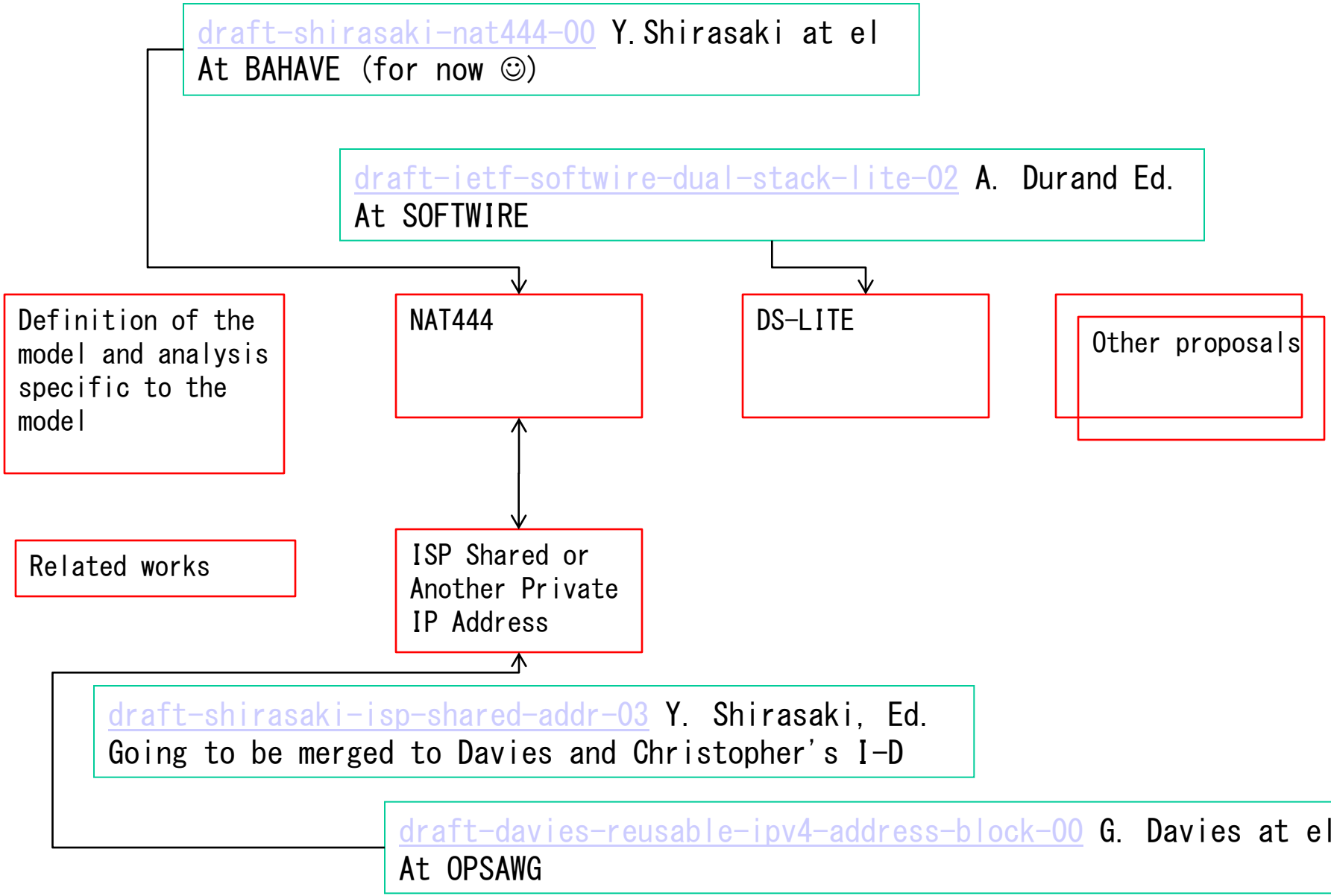
Proposal of the structure over view



Proposal of the structure (cont')

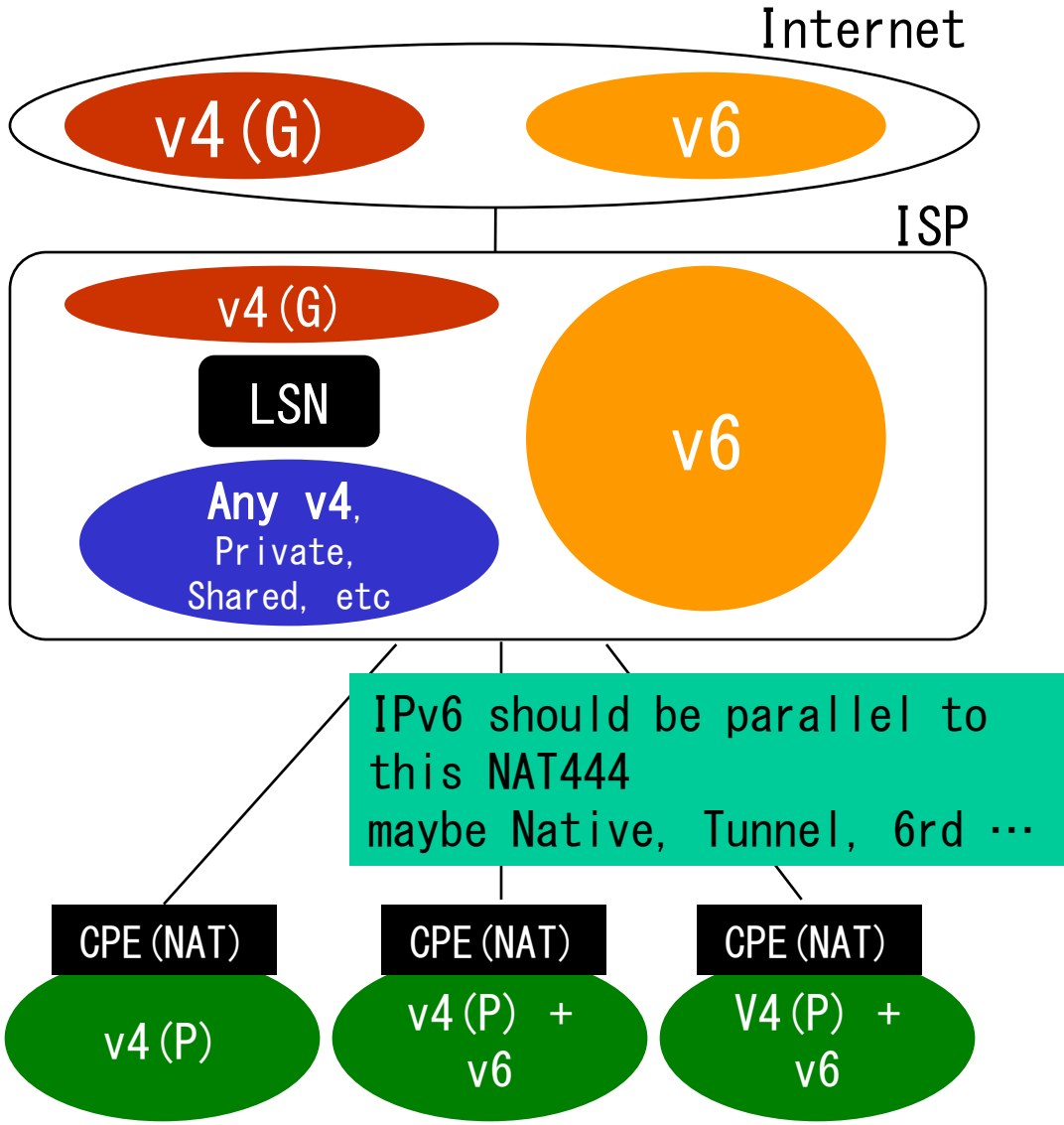


Proposal of the structure (cont')



NAT444 Model

- **IPv4 NW**
  - v4-v4-v4 three part of NWs
  - v4 address between CPE and LSN could be any IPv4 address.
    - ✧ Private
    - ✧ etc.
- **IPv6 NW**
  - ISP can choose
    - ✧ Native
    - ✧ Tunnel
    - ✧ etc.



Analysis of NAT444

1. NAT444 has been operated by some Cable operators in their commercial NW
2. There is no need to replace current CPEs and We know how it works
3. UPnP does not work well often
4. Some vendors have already implemented NAT444 functions

At the end

- We just wanna say “NAT444/w v6” style dual stack will be just working well and the most conservative way to keep existing environment at the first step in various places
- We think also other proposals such as DS-Lite and A+P are quite realistic and useful in the transition steps
- Vendors are now going to be ready to ship the NAT444 devises to the market, we should have sound and concrete RFCs related to it