



# IPv4 Address Transfer proposal

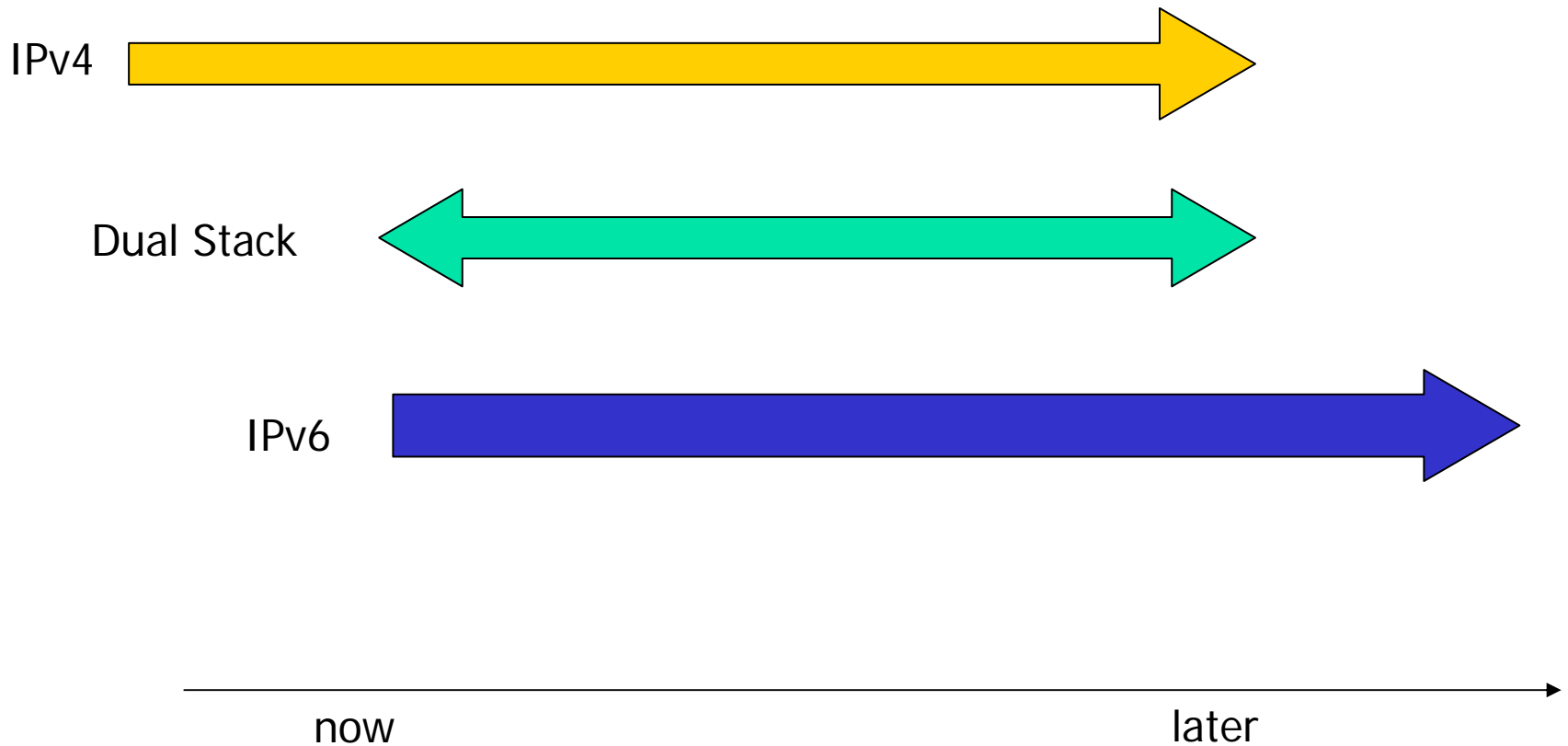
## APNIC prop-050-v001

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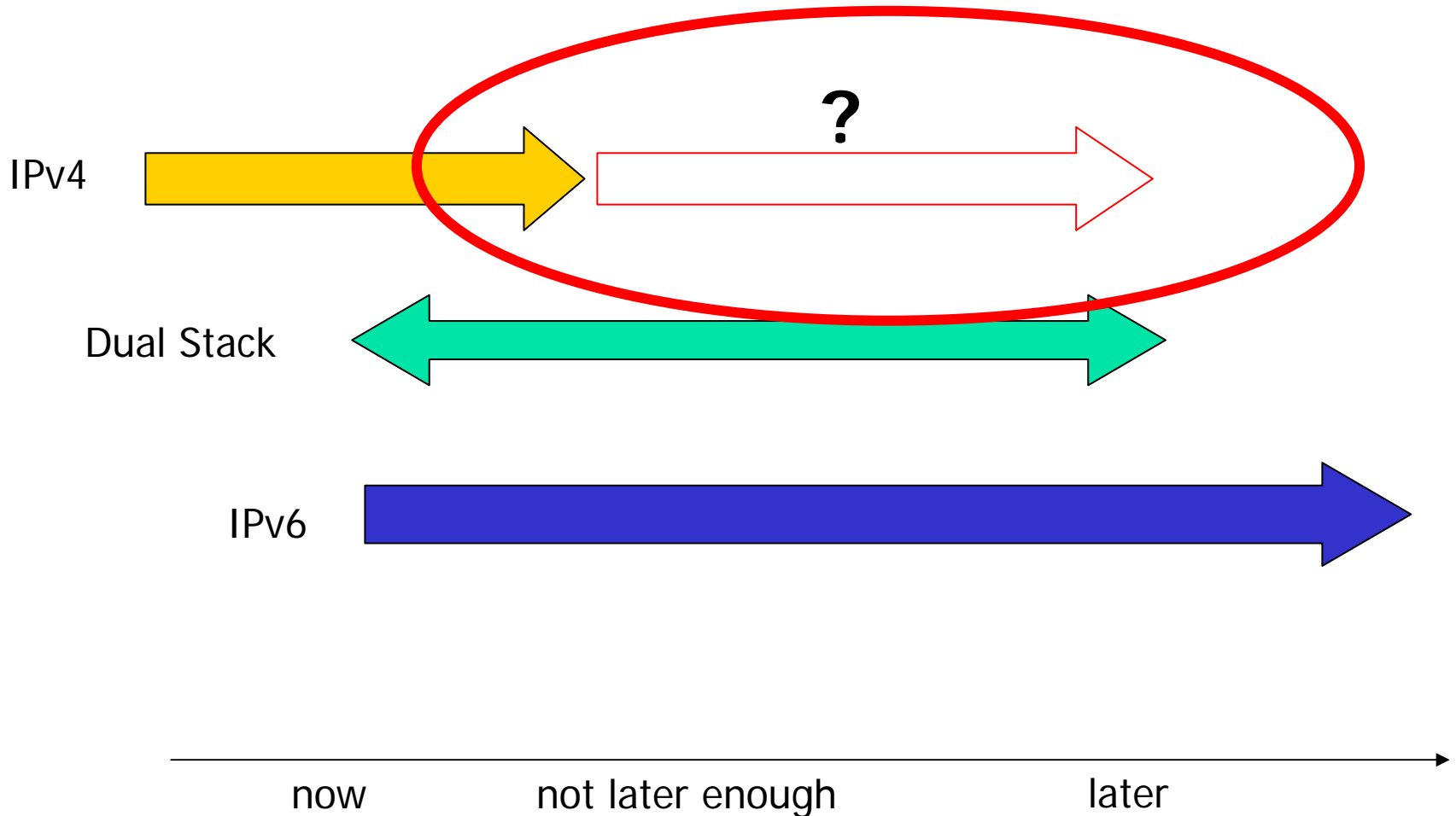
# Motivation:

## IPv4, IPv6, and Transition



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- If the demand for IPv4 addresses extends beyond the likely pool exhaustion date ...
  - How will IPv4 addresses be distributed to meet this ongoing demand?
  - Will industry be forced into a mode of IPv4 address transfers to support dual stack deployments?
    - Should we look at this option now, or wait until its time to really panic?



# Address Transfer Proposal

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- APNIC to recognise the transfer of IPv4 addresses between current APNIC account holders
- Record these IPv4 address transfers in the APNIC IPv4 address registry



# Constraints – Address Block

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Address block:

- /24 or larger
- administered by APNIC
- status is “current”
- subject to all current APNIC policies



# Constraints – Source

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The disposer is:

- a current APNIC account holder
- registered holder of the address block
- ineligible for any further APNIC IPv4 address allocations for 24 months
- must document the reasons for any future IPv4 address requests following this 24 month period



# Constraints – Recipient

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The recipient is:

- current APNIC account holder
- subject to all APNIC policies
- liable for APNIC fees associated with current resource holdings





# Details

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- Transfer procedure requires notification to APNIC by both parties
- Details of the transfer to be published by APNIC in a transfer log
- APNIC may levy a transfer registration fee



# Advantages

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- Maintain a consistent and accurate public registry of address holdings
- Mitigate risks associated with potential black market formation
- Provide indirect incentives for address holders to recirculate unused / unneeded IPv4 address space to support the dual stack transition phase
- Gather experience in transfer procedures



# Disadvantages

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- Market formation and risks of various forms of market distortions emerging
  - This would be beyond the direct control or purview of APNIC
- Potential for process abuse
- Potential for further routing table growth



# Limitations in Current Proposal

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- Does not apply to NIRs
- Does not apply to inter-RIR scenarios
- Does not apply to “historical” addresses