# IPv4 Final Distribution

Business Processes

# What's happening

3rd February 2011 IANA IPv4 pool depleted

15th April 2011 APNIC reached final /8

RIPE NCC may reach last /8 soon…

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# Towards the last /8

No changes in evaluation procedures

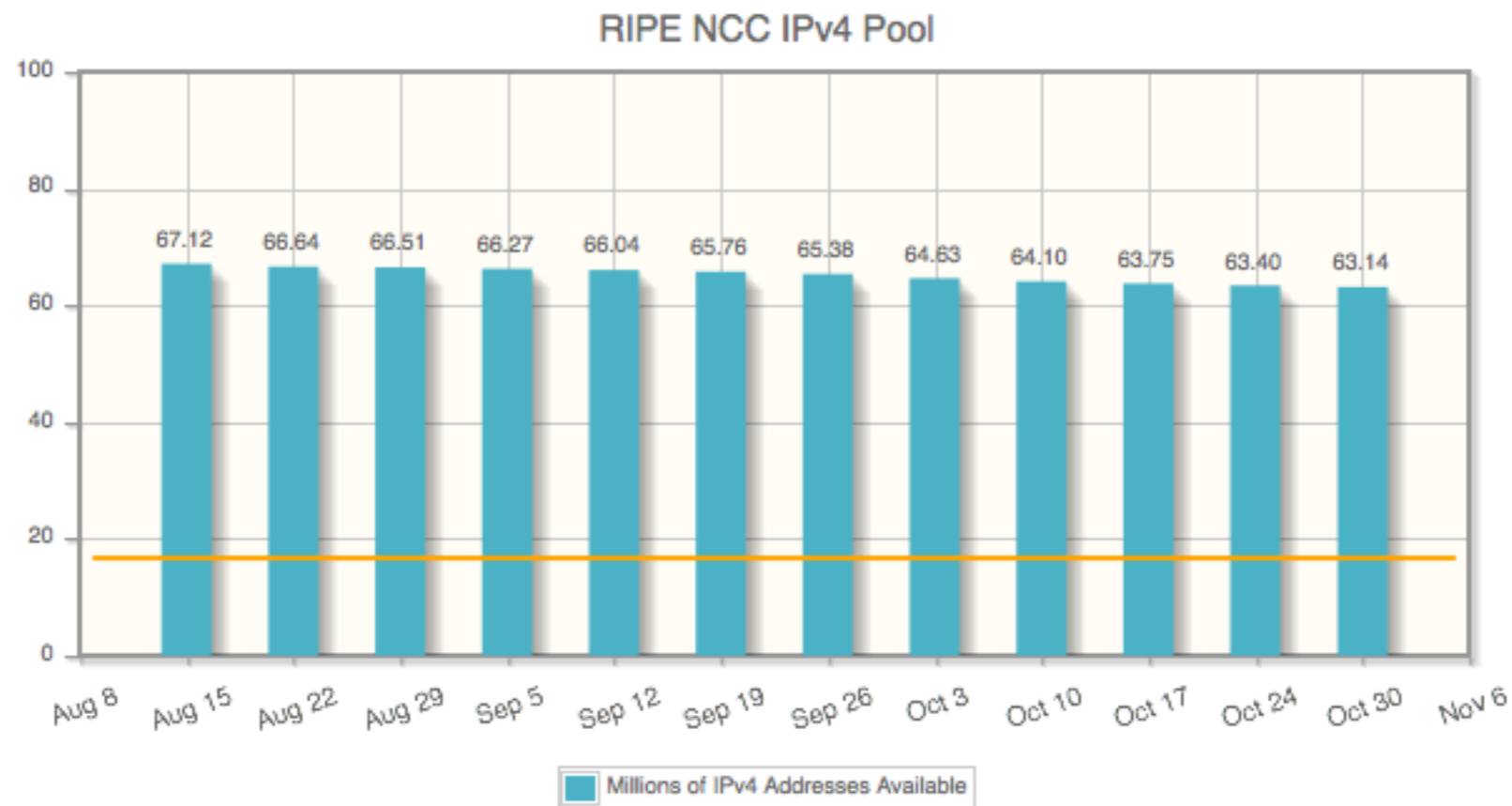Fine tuning processes to further increase:

Transparency

Consistency

Due diligence

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# Transparency

Published IPv4 request evaluation procedure

http://www.ripe.net/lir-services/resource-management/contact/ipv4
-procedures

Published available IPv4 pool for allocation



RIPE NCC IPv4 Pool

67.12  66.64  66.51  66.27  66.04  65.76  65.38  64.63  64.10  63.75  63.40  63.14

Aug 8  Aug 15  Aug 22  Aug 29  Sep 5  Sep 12  Sep 19  Sep 26  Oct 3  Oct 10  Oct 17  Oct 24  Oct 30  Nov 6

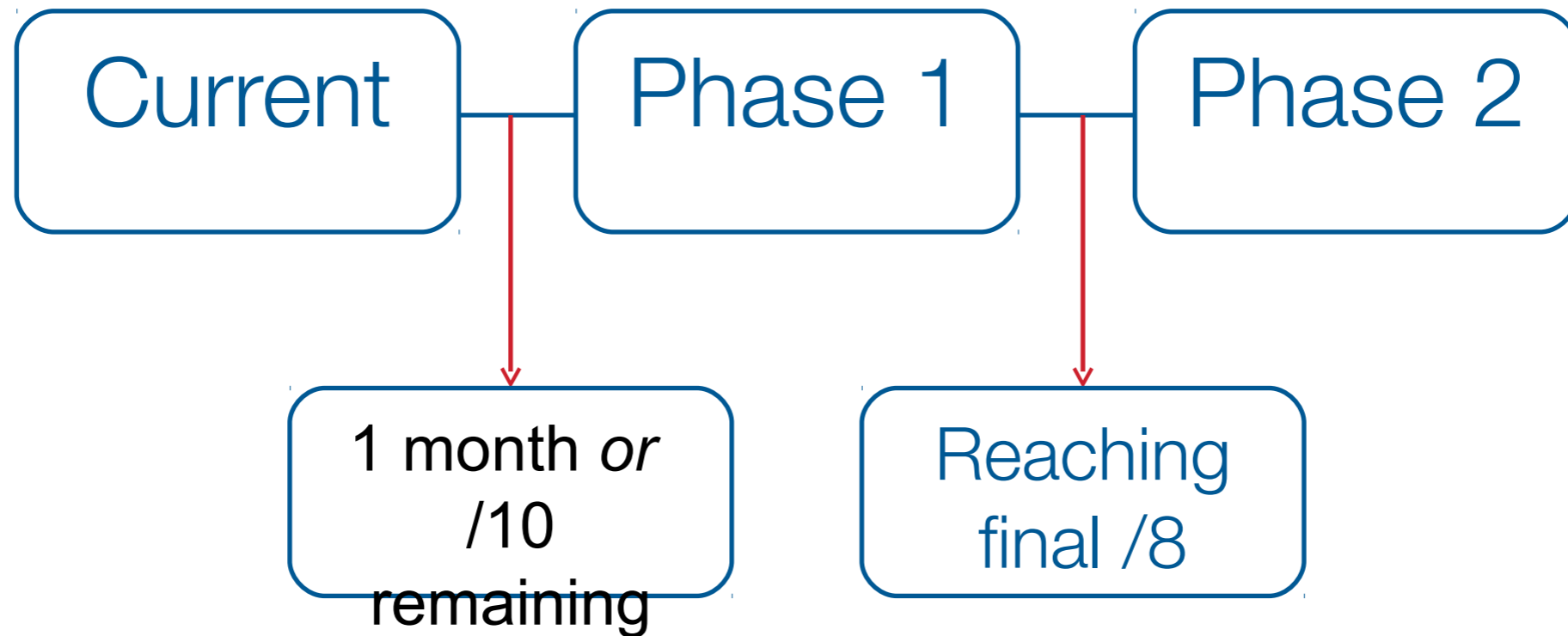Millions of IPv4 Addresses Available

# Consistency
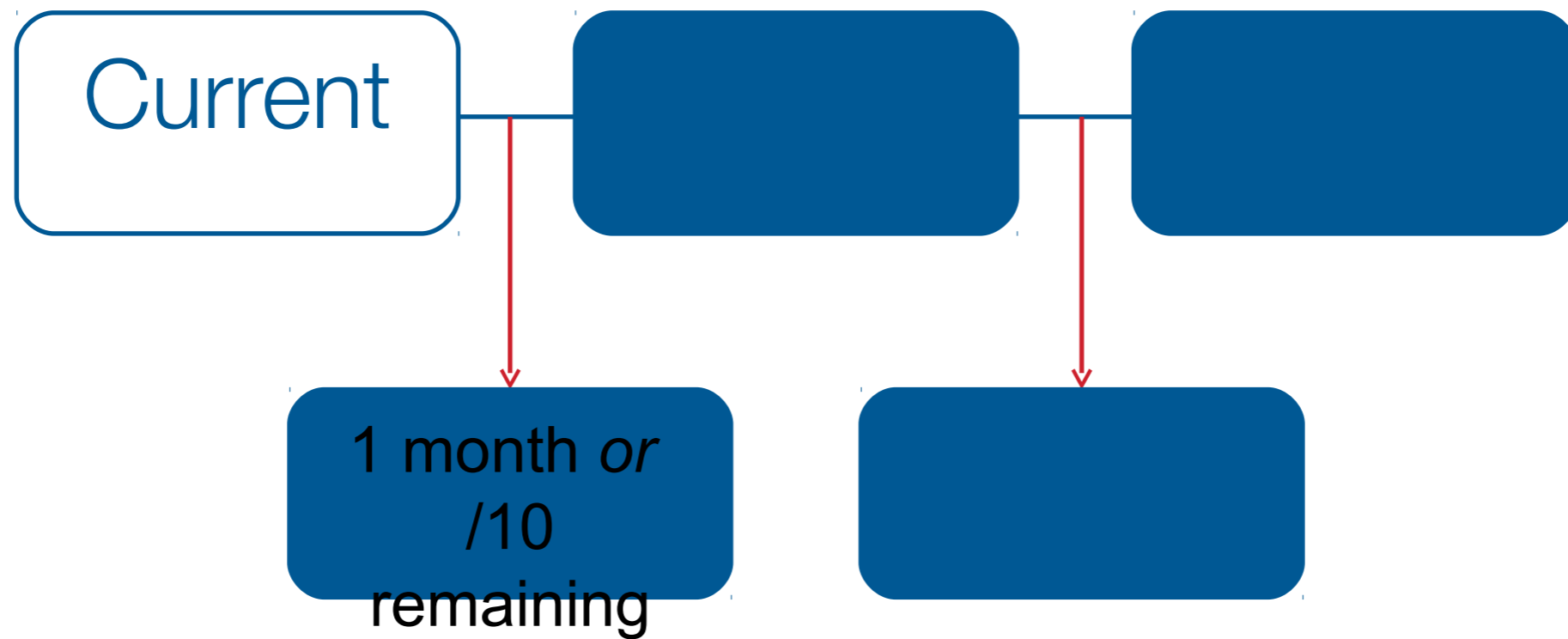
Single ticket queue for new and ongoing IPv4 requests

Position in queue based on time of receiving

Escalation process for large resource requests

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# End Game Business Process

Current — Phase 1 — Phase 2

1 month *or* /10 remaining

Reaching final /8

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# Current

Current

1 month *or* /10 remaining

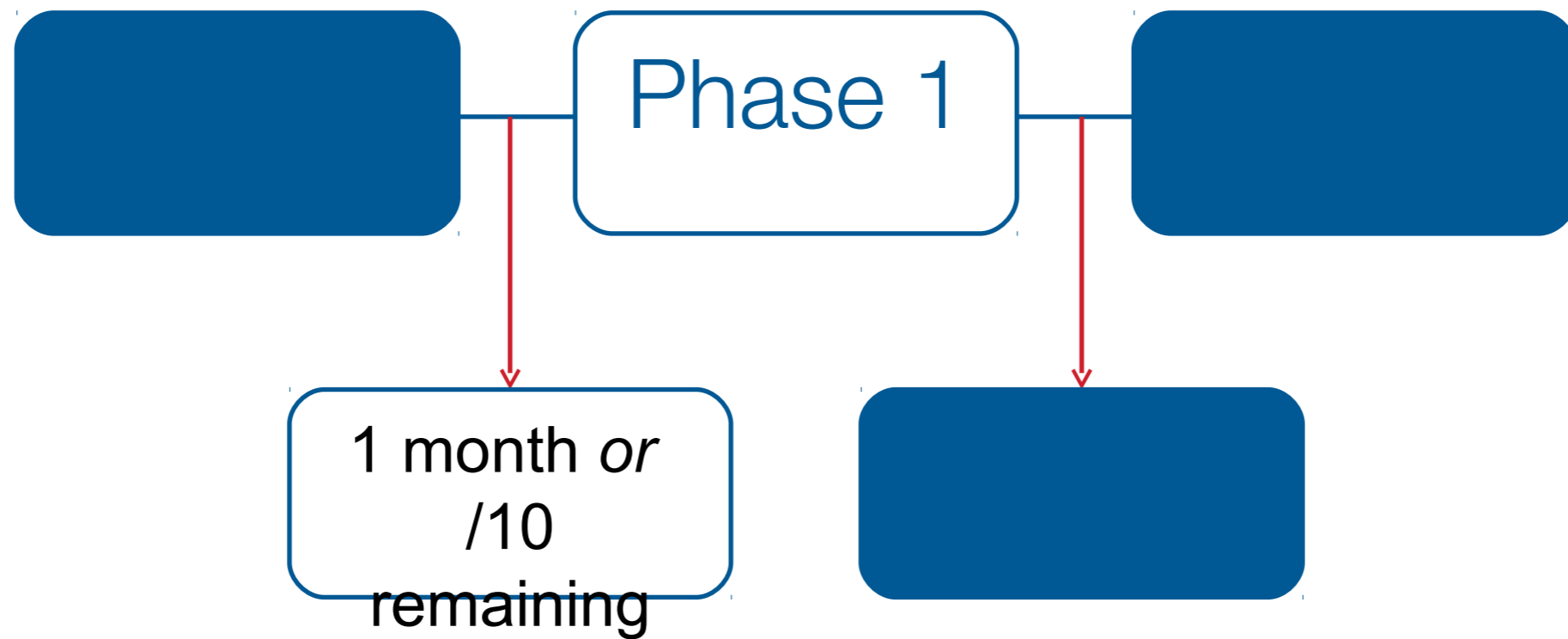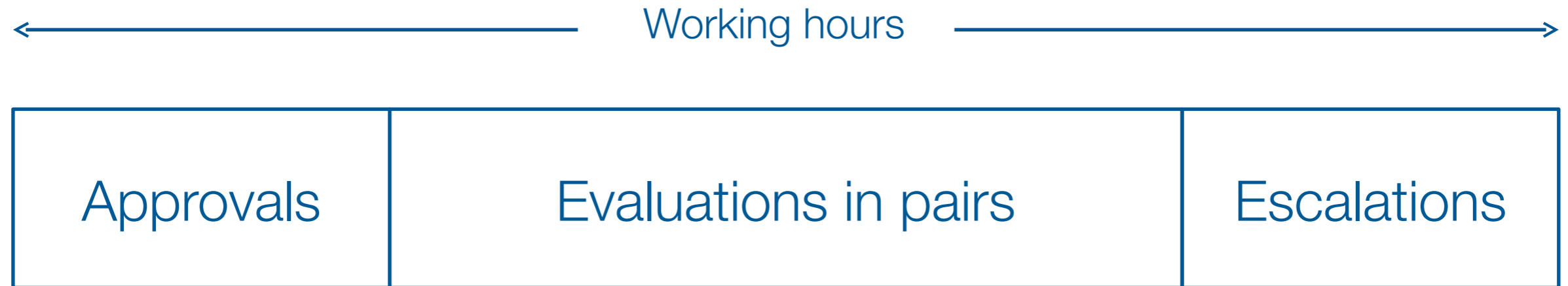# Current

Working hours

Evaluations and Approvals

- All IPv4 requests are handled from a single ticket queue
- Requests are approved at any moment during the day

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# Phase 1



Phase 1

1 month *or* /10 remaining

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# Phase 1

Working hours

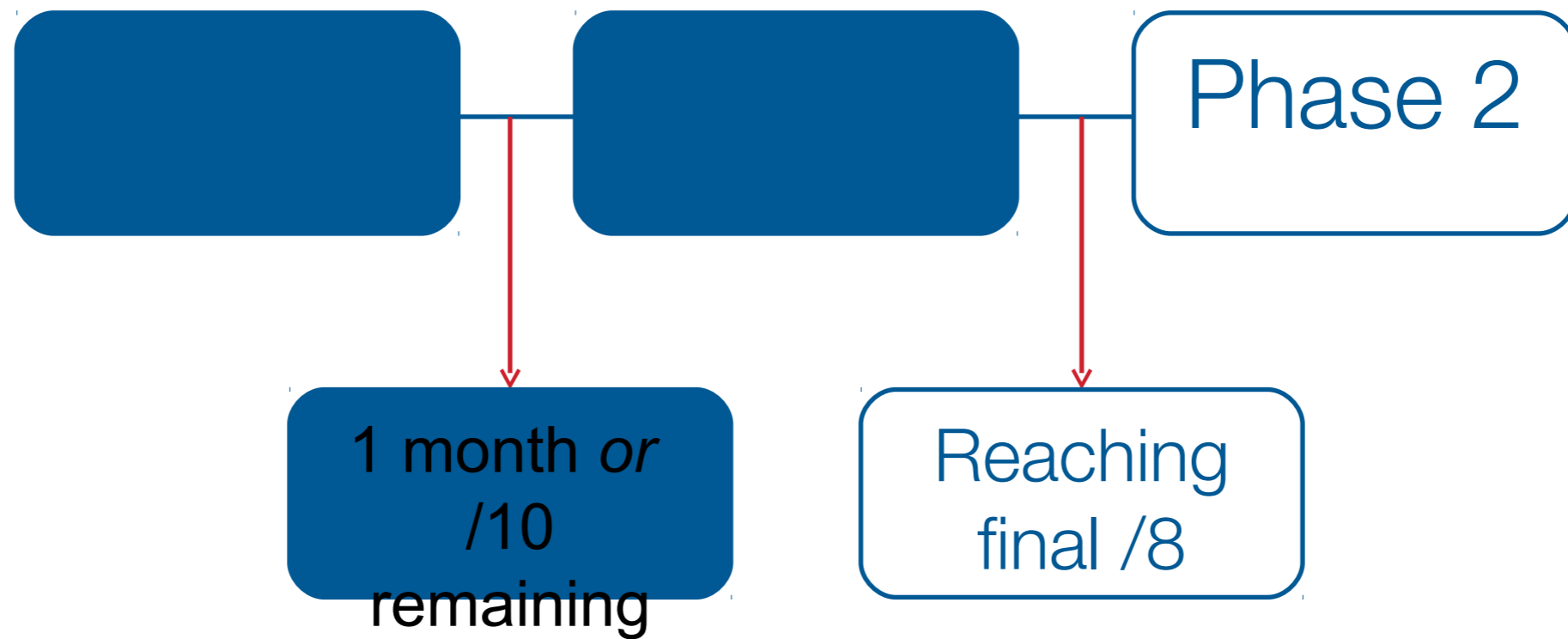| Approvals | Evaluations in pairs | Escalations |
|---|---|---|

- Starts when one month *or* /10 left of IPv4 address space
- IPv4 requests are evaluated by two IPRAs
- IPv4 escalations are evaluated on the same day
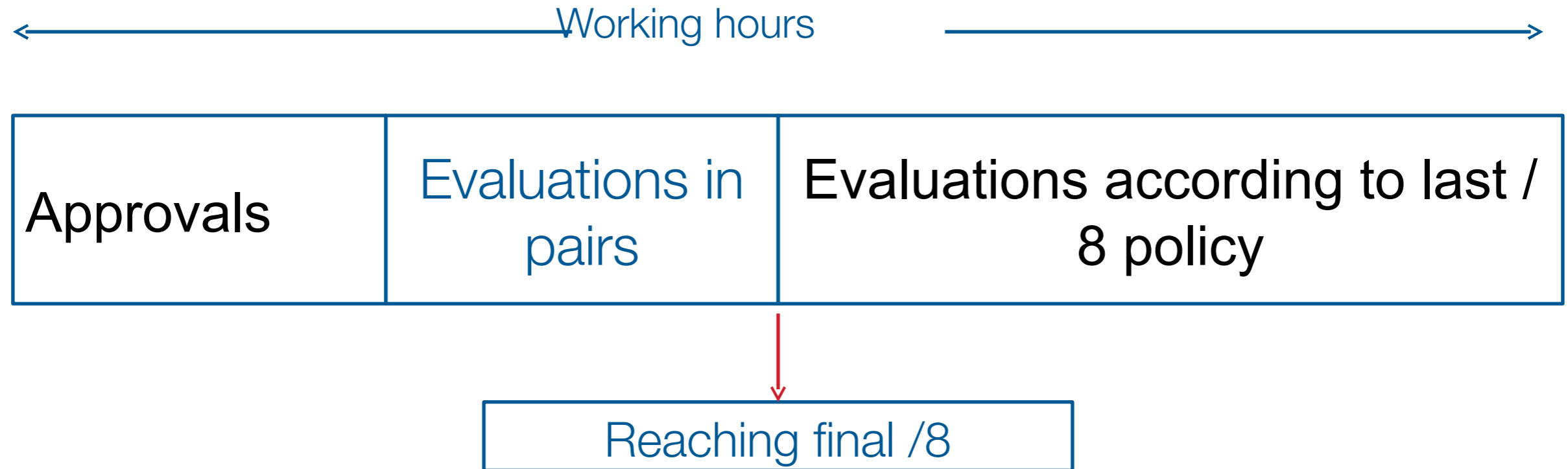- Callbacks only when request at top of queue

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# Phase 1 (2)

- Requests than can be approved will be moved to a separate 'approvable' ticket queue
- Requests approved the morning after
- Requests will be approved according to the timestamp in last email of the LIR

# Phase 2



Phase 2

1 month *or* /10 remaining

Reaching final /8

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# Phase 2

| Approvals | Evaluations in pairs | Evaluations according to last / 8 policy |
| --- | --- | --- |

Reaching final /8

- When reaching last /8, IPv4 requests evaluations according to last /8 policy

# Conclusions

More transparent and consistent process

May result in slightly longer waiting times

Due diligence is key priority


For more information

https://www.ripe.net/internet-coordination/ipv4-exhaustion

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# Questions?