

# DNS@IETF

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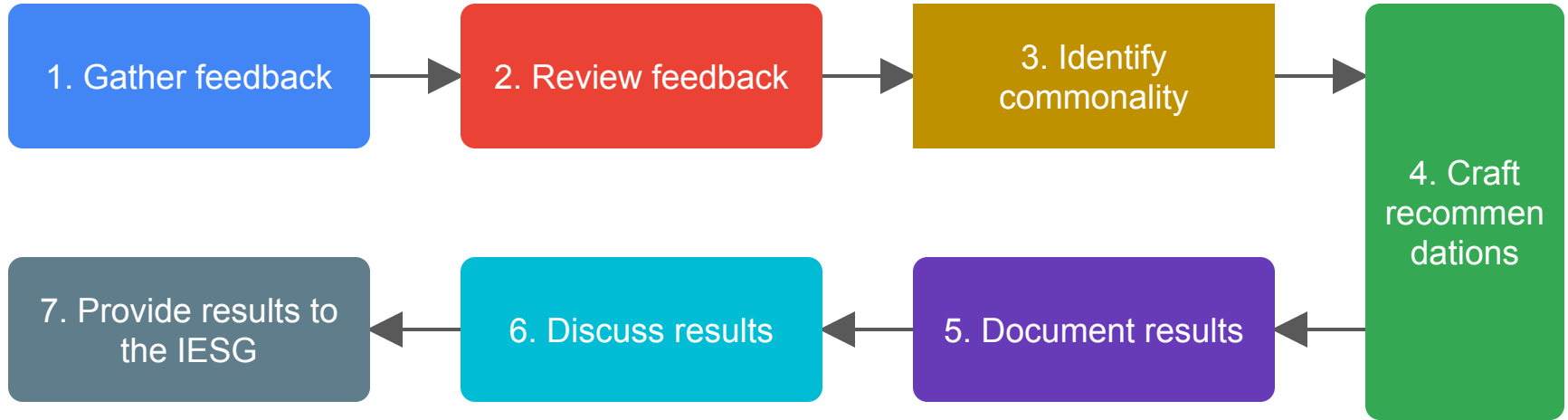
# Agenda

- Background
- Process
- Results

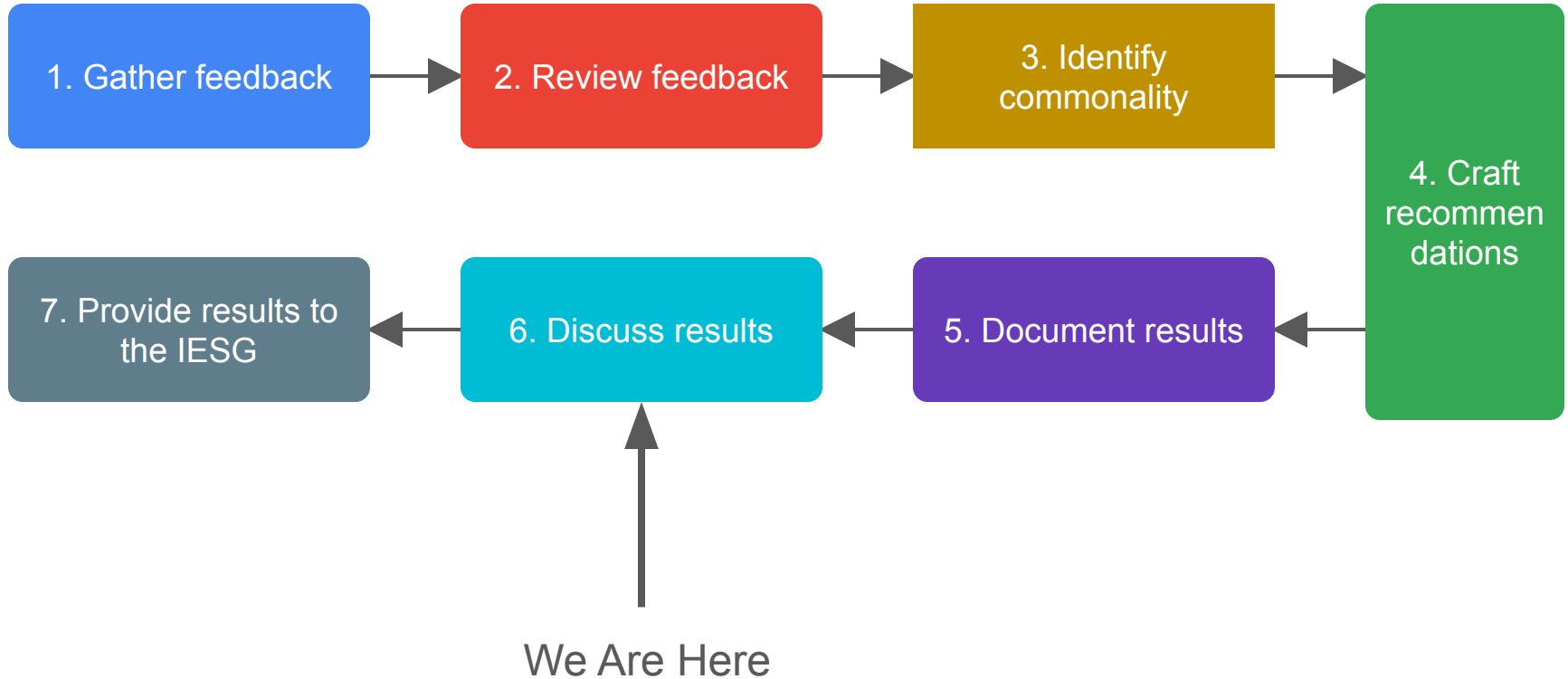
# Background

- The DNS protocol bootstraps nearly all Internet communication
  - DNS discussions are held in many WGs
- DNS WGs at the IETF have existed in many forms
  - DNS discussions are held in many areas
- Hallway discussions included how the IETF could efficiently manage the DNS
  - Is there a problem?
  - One large WG?
  - A bunch of small, tightly scoped WGs?
  - The typical development vs operational split?
- 2024-09: IESG asked if we see if common opinions existed

# Approach



# Approach



# Information gathering

Information came from:

- A public mailing list discussion (dns-at-ietf@ietf)
- Private mail to me
- Hallway discussions
- A discussion session in OPSAREA

Results:

- ~118 pages for my co-authors to read

# Commonality

- One large working group struggles to handle the breadth of document types
- Splitting protocol development from operational maintenance would help
- A DNSDISPATCH function would provide additional benefits
- WG Structures alone cannot solve “human problems”
- Different types of drafts require different types of management
- Narrow chartered groups are needed for hard problems and work well
- ~~● DNSOP should be closed down~~
- ~~● DNSOP should be rechartered~~

# Lack of commonality

- DNSOP
  - Should be rechartered
  - Should be closed
  - Generally though: DNSOP is the right name
- Everyone will need to attend every group anyway
- Little feedback received about DNSSD, REGEXT or other groups

# Larger Recommendations

*Smaller ones left to the ID  
readers*

# Recommendation 1: Split DNS Development from Operations

- Belief: operational drafts should progress quickly, development less so
- A clean line between them
  - is important
  - is impossible
- Author's thoughts on a starting question:
  - If it requires special processing / code => devel
  - Otherwise: ops
  - It's not always that simple (see above)
- Allows groups to be managed differently if needed
  - Running code for one, but not the other
  - Presentation lengths, meeting times, etc

## Recommendation 2: Create a DNSDISPATCH function

- Downsides of a dispatch group:
  - Adds yet another step in the process
  - Adds yet another WG slot
- Addressing these issues:
  - DNSDISPATCH should happen online as much as possible
  - Dispatch suggestions via E-Mail for the easy cases
  - Dispatch Interim for most others
  - May rarely need to meet in person
- Dispatch := a suggestion, not a decision
  - WGs still handle their own adoption process
  - Some WGs may require a DNSDISPATCH decision ahead of an adoption request
  - A dispatch may include identifying proposals that are insufficiently defined

*(See example dispatch scenarios in the document)*

## Recommendation 3: Group and people management is critical

- All DNS chairs will need to work closely together and communicate
  - Compliments were given for how the ADs already promote this today
  - WG chairs will need to collaborate for any corner cases
- Efficient and strict chairs are especially needed for DNSDISPATCH
- The resulting collection of WGs must be flexible
  - Unique situations will arise
  - Sometimes work may even need to move

# Next Steps

- Provide final ID to the IESG
- The IESG acts or not