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IANA Functions Stewardship Transition

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Background

- On 14 March 2014, the U.S. Commerce Department's National Telecommunications and Information Administration (NTIA) announced its intention to transition out of its current role with respect to the Internet Assigned Numbers Authority (IANA) Functions.
- NTIA called on ICANN to “convene global stakeholders to develop a proposal to transition the current role played by NTIA in the coordination of the Internet's domain name system (DNS).”

Background, Cont.

- IANA is a traditional name used “to refer to the technical team making and publishing assignments of Internet protocol technical parameters.”
- This technical team performs a set of tasks that involve the administration or coordination of many of the identifiers that allow the global Internet to operate.

Background, Cont.

- As described in the current IANA Functions contract between ICANN and NTIA, the IANA Functions are:
 - Domain Name System (DNS) Root Zone Management;
 - Internet Numbers Registry Management;
 - Protocol Parameter Registry Management, including management of the “Address and Routing Parameter Area” (.ARPA) TLD; and
 - Management of the “INternational treaty organizations” (.INT) top-level domain.

Overview and History of the IANA Functions

- **SAC067** was published on 15 August 2014. The report:
 - Establishes a baseline of understanding for those interested in how the upper-most level of the Internet's system of unique identifiers is managed;
 - Describes the activities included in the IANA Functions contract; and
 - Describes the functions performed under the IETF MoU.
- The report focuses on:
 - The IANA Functions contract; and
 - Describes all of the activities related to the IANA Functions as they are currently performed, including those that lie outside of the IANA Functions contract.

Report on the IANA Functions Contract

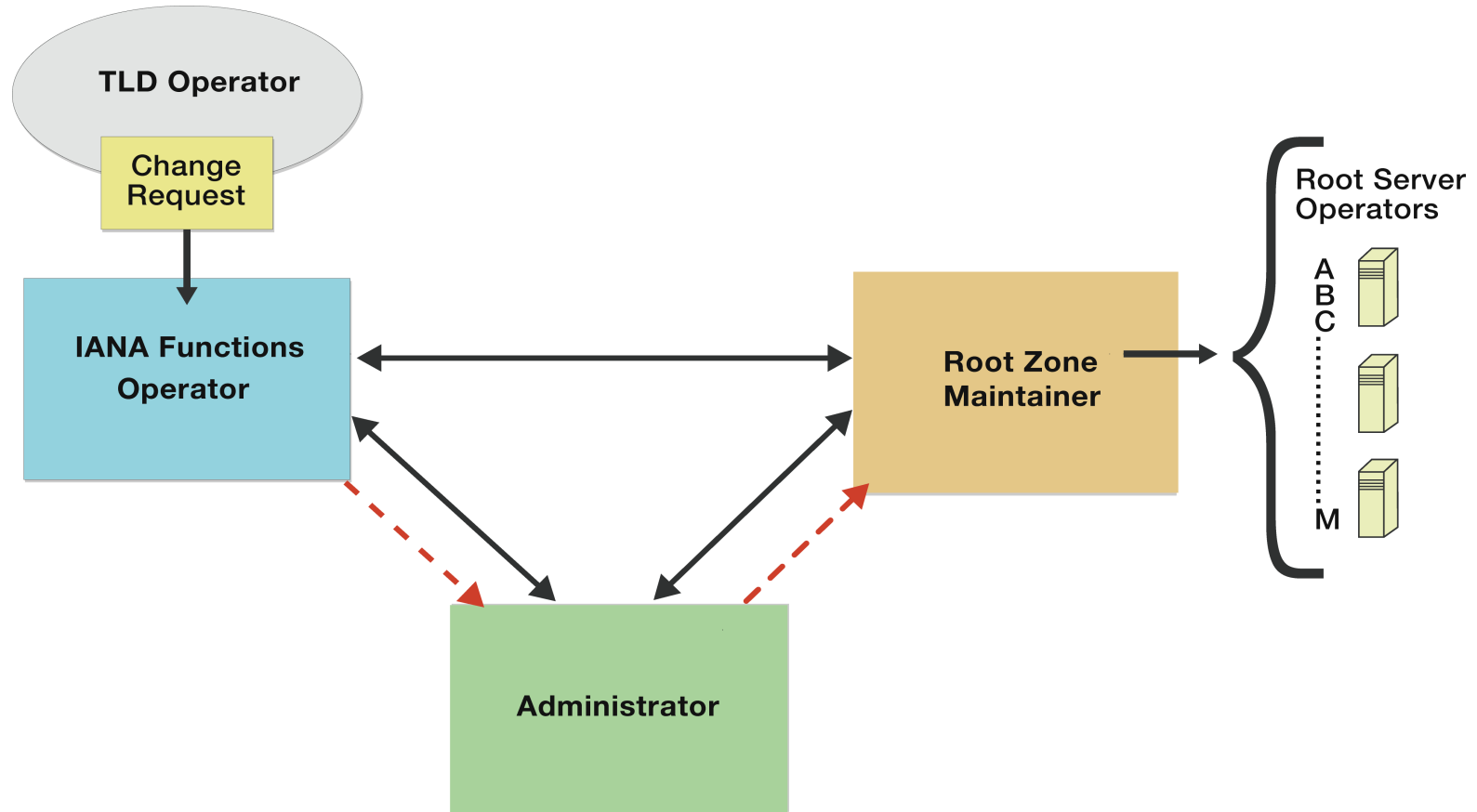
SAC068 was published on 13 October 2014:

- In this report the SSAC:
 - Provides an overview of the key elements of the IANA Functions contract; and
 - Documents the role that NTIA currently plays with respect to the IANA Functions based on current public contractual information.

NTIA and IANA Functions

IANA Functions	Involved Parties	NTIA Role
DNS Root Zone Management	ICANN, NTIA and Verisign	IANA Functions Contract Administrator and Root Zone Management Process Administrator
Internet Numbers Registry Management	ICANN under authority of Regional Internet Registries and their communities	IANA Functions Contract Administrator
Protocol parameter registry management	ICANN under authority of The Internet Engineering Task Force (IETF) / Internet Architecture Board (IAB)	IANA Functions Contract Administrator
.ARPA and .INT management	ICANN under authority of IETF/IAB and other existing processes	IANA Functions Contract Administrator

NTIA and Root Zone Management



Chain of Authorization



Implementation Interactions



IANA Stewardship Transition Coordination Group (ICG)

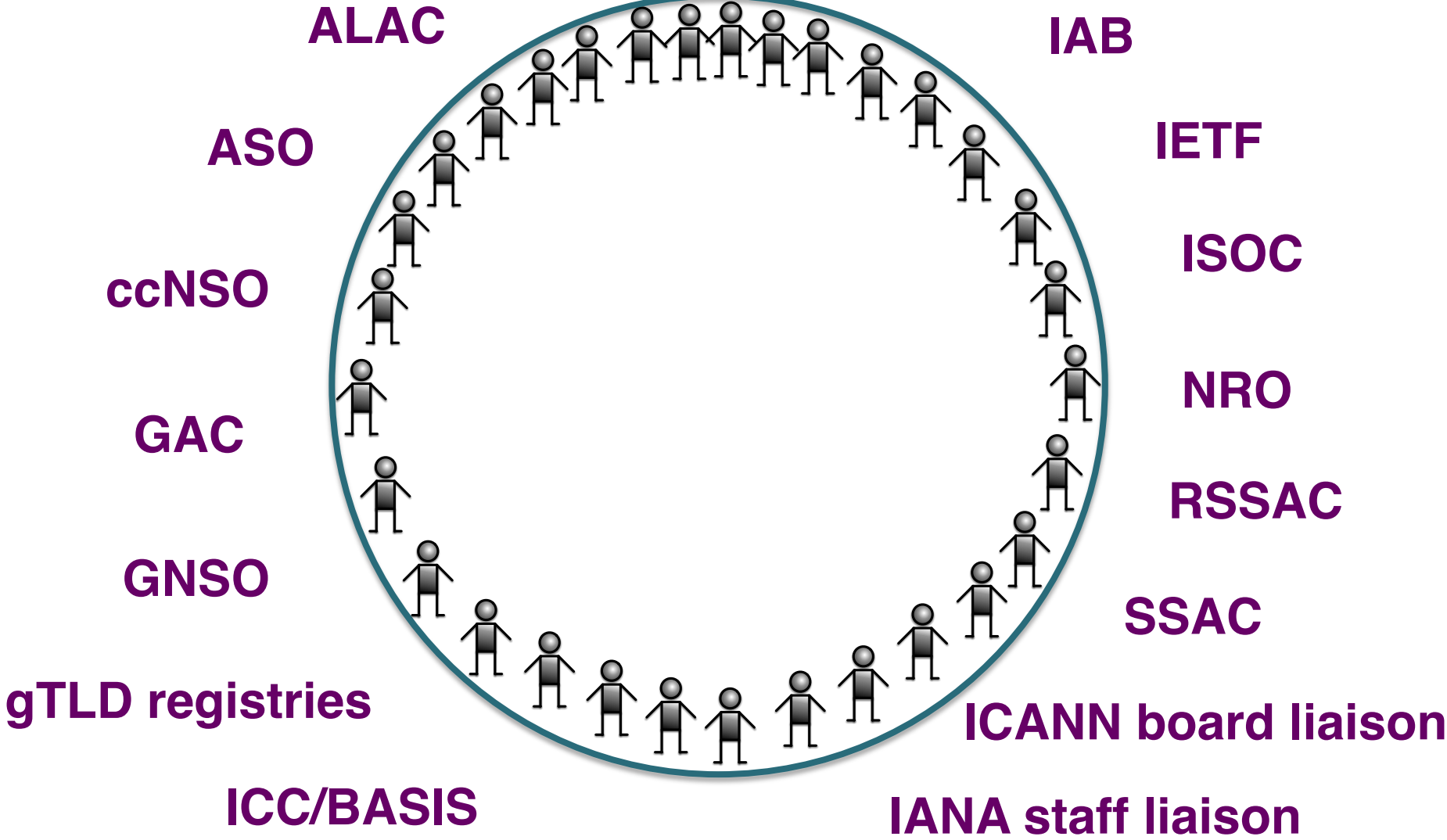
**Patrik Fältström
ICG co-chair**

<http://ianacg.org/>

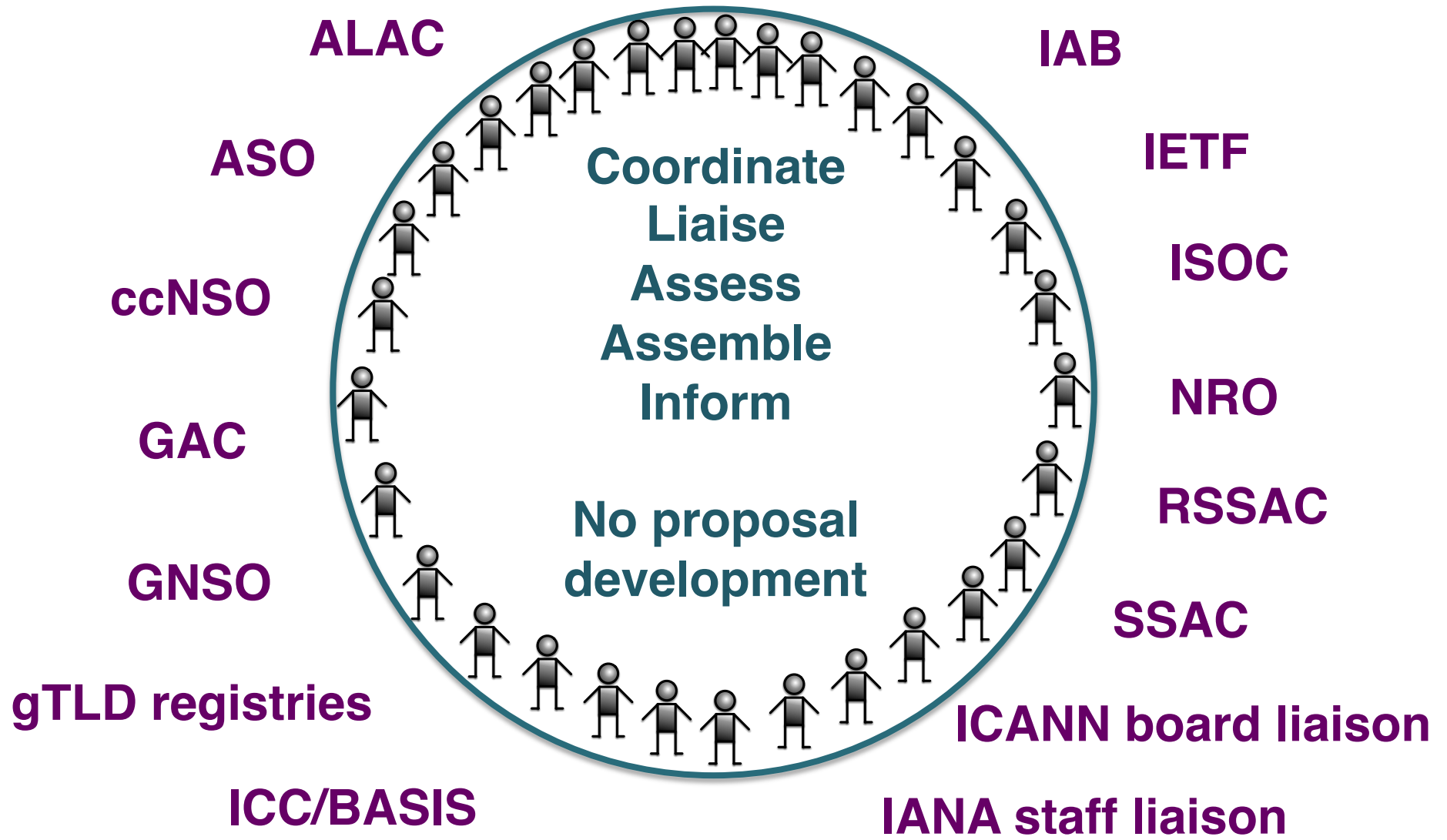
Transition background

- In March 2014, NTIA:
 - Announced intention to transition stewardship of IANA functions.
 - Asked ICANN to convene global stakeholders to develop a proposal to transition the current role played by NTIA.
- ICANN process resulted in creation of IANA Stewardship Transition Coordination Group (ICG)

ICG



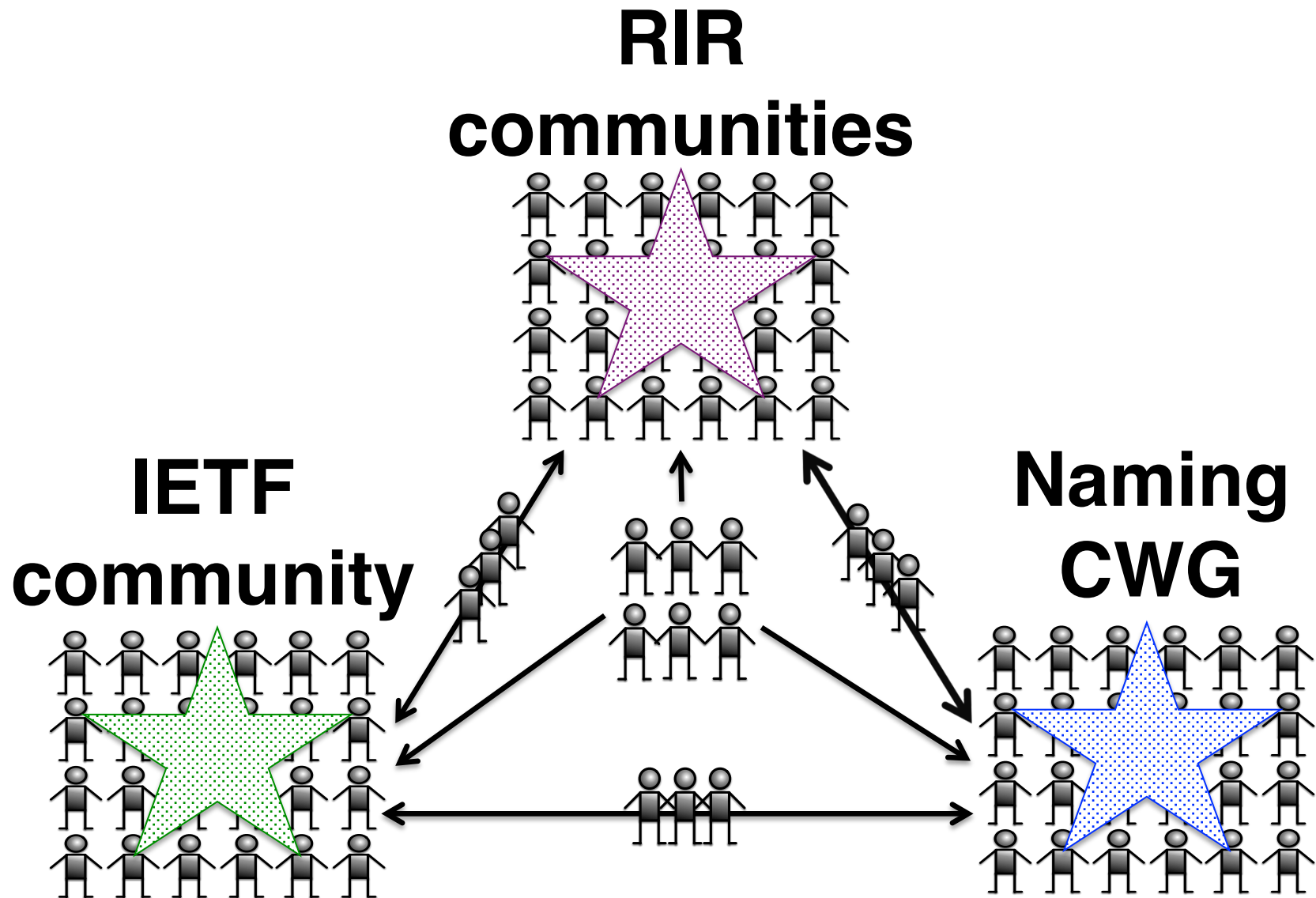
ICG



Focus of transition

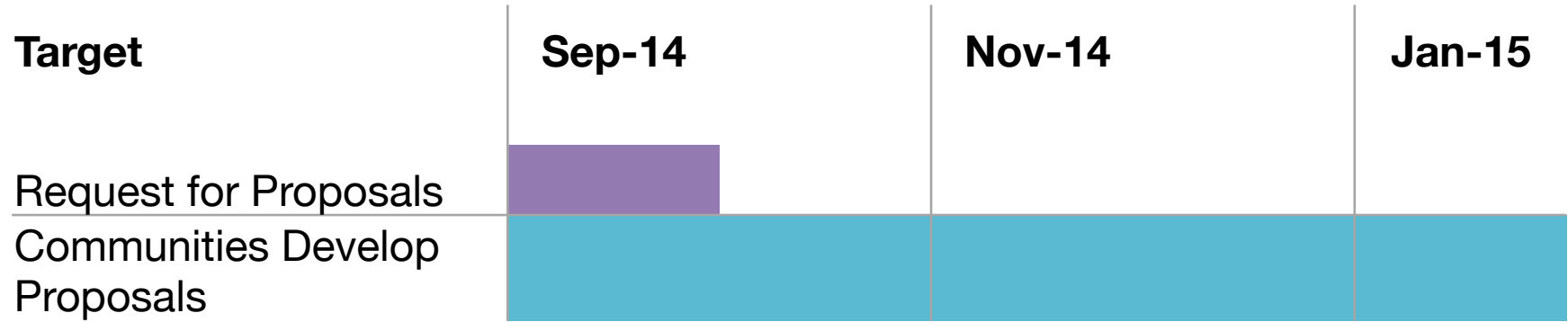
- IANA functions currently specified in NTIA contract. IANA activities related to:
 - Protocol parameters registry management
 - DNS root zone management
 - Internet numbers registry management
- Stewardship (not policy development, etc.)

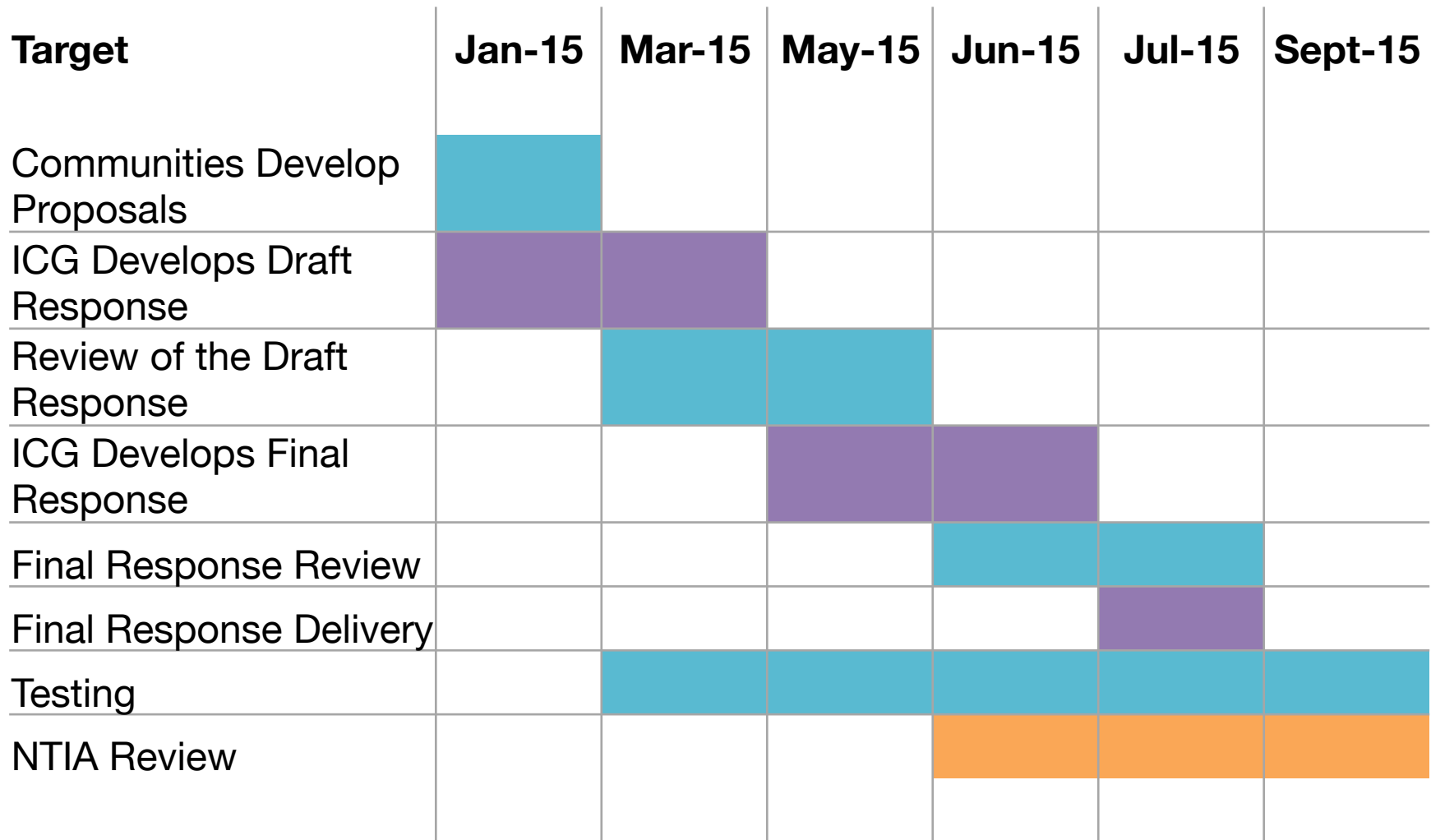
Transition proposal development



Community proposal elements

- IANA functions category and community use
- Existing pre-transition arrangements
 - Policy, oversight, accountability
- Post-transition oversight and accountability
- Transition implications
 - Operational requirements and continuity risks, legal framework requirements, workability evaluation, expected timeline
- How NTIA criteria were met
- Community process and consensus level

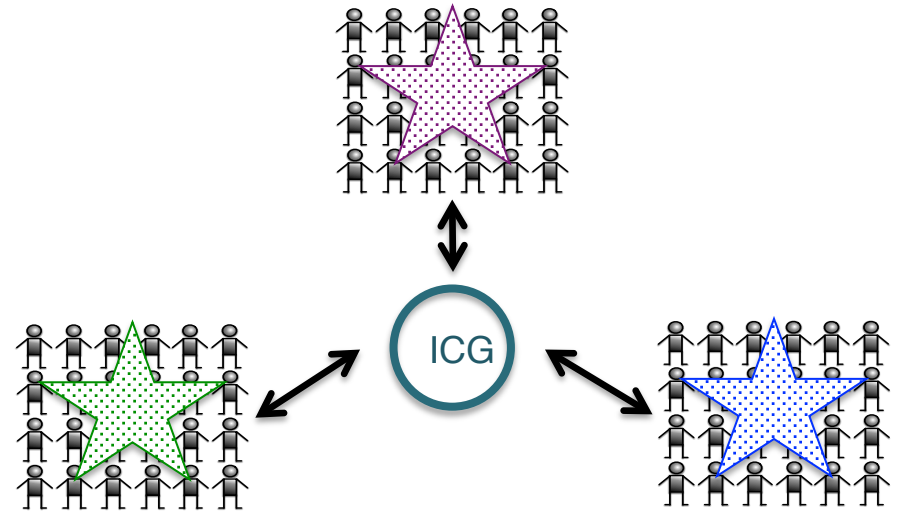




Steps towards a single proposal

1. Individual proposal assessment

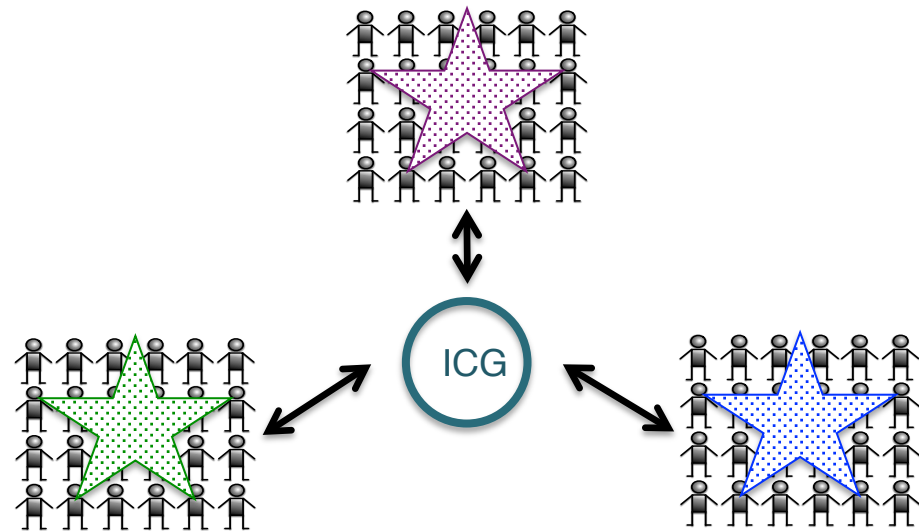
- Completeness
- Clarity
- NTIA criteria met
- Community comments accommodated
- Consensus level achieved
- Inclusiveness of community process



Steps towards a single proposal

2. Unified proposal assessment

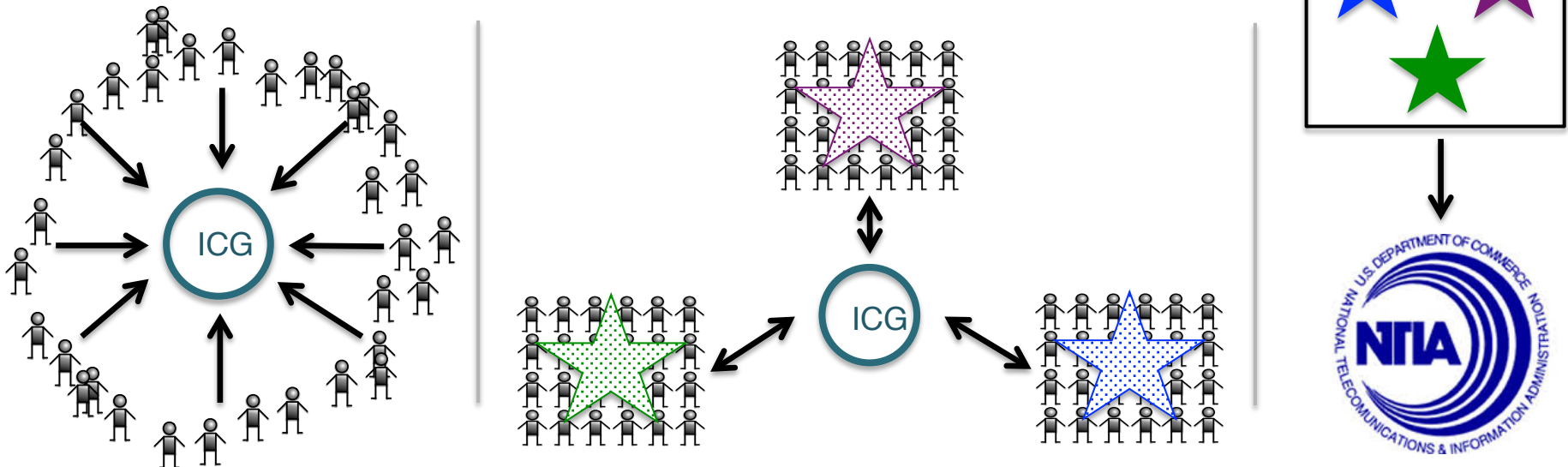
- Compatability and interoperability
- Gaps/overlaps
- Accountability
(under discussion)



Steps towards a single proposal

3. Proposal finalization

- Public comment
- ICG review
- Changes in communities if necessary
- Submission



References

- FAQ
<https://www.icann.org/resources/pages/icg-faqs-2014-10-10-en>
- ICG Charter
<https://www.icann.org/en/system/files/files/charter-icg-27aug14-en.pdf>
- RFP
<https://www.icann.org/en/system/files/files/rfp-iana-stewardship-08sep14-en.pdf>
- Timeline
 - Description:
<https://www.icann.org/en/system/files/files/icg-process-timeline-08sep14-en.pdf>
 - Graphic:
<https://www.icann.org/en/system/files/files/icg-process-timeline-graphic-10sep14-en.xlsx>
- Mailing list archive:
 - <http://mm.icann.org/pipermail/internal-cg/>