

Evolving MANRS: New Development Process and Document Review



A collaborative approach:

Mutually Agreed Norms for Routing Security (MANRS, <https://manrs.org/>)

An undisputed minimum security baseline – the norm.

- Defined through MANRS Actions

Demonstrated commitment by the participants

- Measured by the Observatory and published on <https://www.manrs.org>



The foundational pieces

Charter

Defines roles and responsibilities of various entities in the MANRS ecosystem and the governance structure

NetOps Program Actions

Define the baseline requirements for the participants of the program

IXP Program Actions

Define the baseline requirements for the participants of the program

CDN&Cloud Program Actions

Define the baseline requirements for the participants of the program

Vendor Program Actions

Define the baseline requirements for the participants of the program

NetOps Implementation Guide

Provides guidance on how to deploy the measures required by MANRS and is targeted at stub networks and small providers.

IXP Implementation Guide

Provides guidance on how to deploy the measures required by MANRS and is targeted at Internet eXchange Points.

Common ROA Management Requirements and Security Standards for Operators of RPKI Services

Provides guidance for the operators of RPKI services (ORS)

MANRS is maturing

In developing MANRS we as a community have always strived for transparency, inclusion and consensus: working groups, task forces, community last calls

To expand its impact further we need a formal process of how MANRS documents – normative (e.g. MANRS Actions) and informational (e.g. MANRS Implementation Guides) – are developed, adopted and maintained.

- Increase credibility, transparency and inclusiveness
 - A formal documented process for developing and modifying MANRS documents – MANRS Actions, MANRS Charter, etc.
- Introduce a formal document series
 - Provides stable references and version control, making it easier to refer to it in external documents

How we develop, adopt and maintain
MANRS documents:
The MANRS Development Process

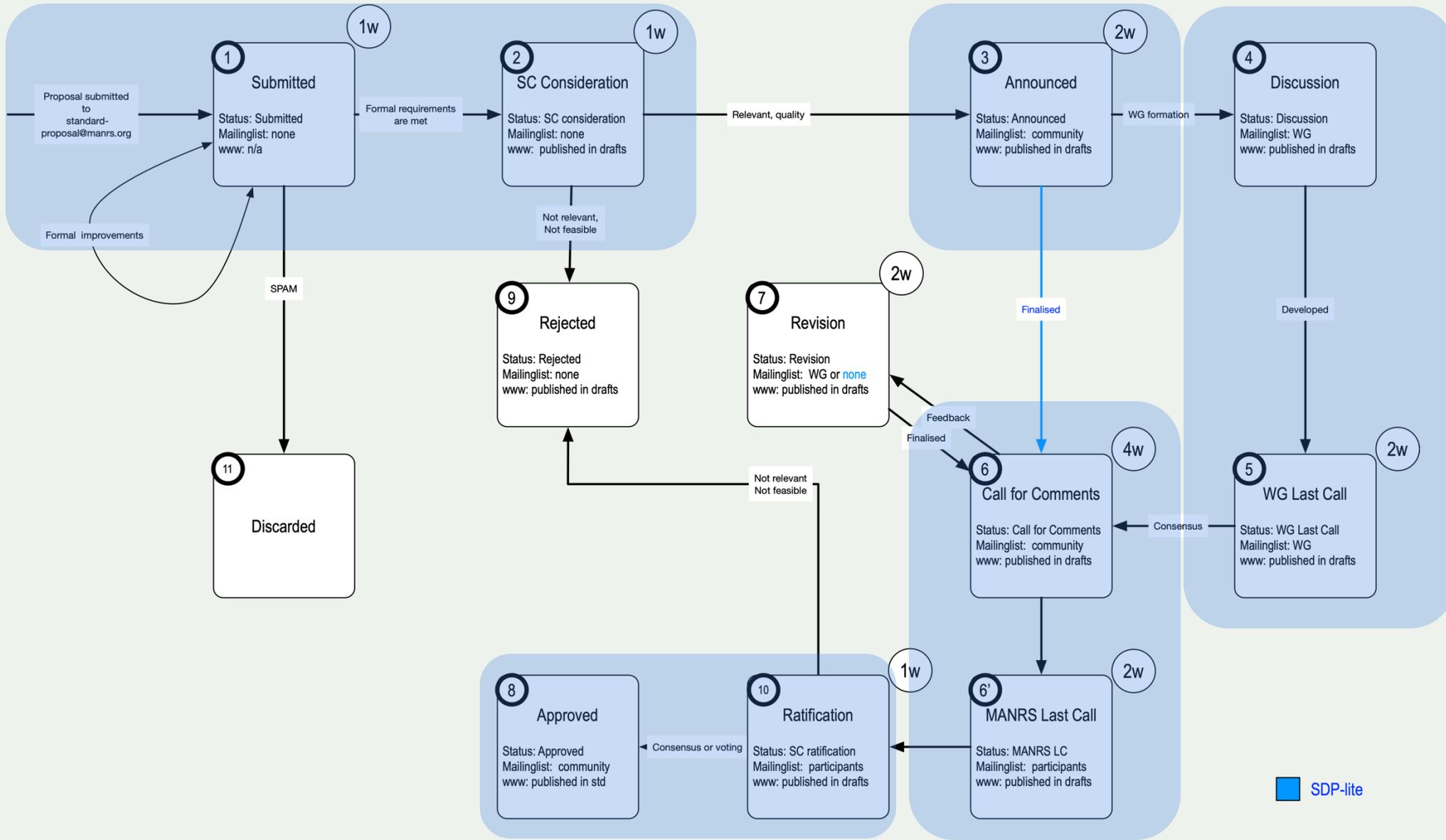


The MDP in a nutshell



<https://manrs.org/manrs-development-process/>

A more detailed view



Time to review



MANRS Actions – areas for update

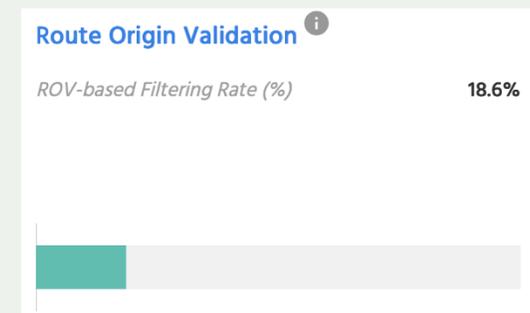
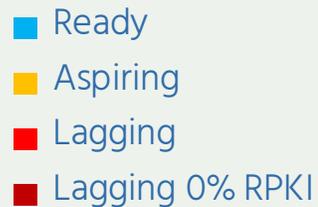
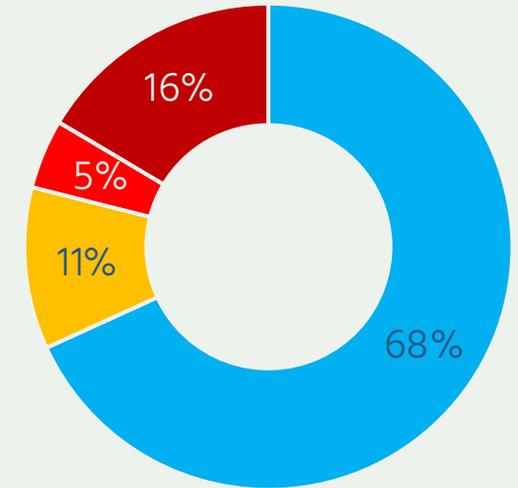
NetOps Action 1 – explicitly require ROV?

NetOps Action 4 RPKI – mandatory?

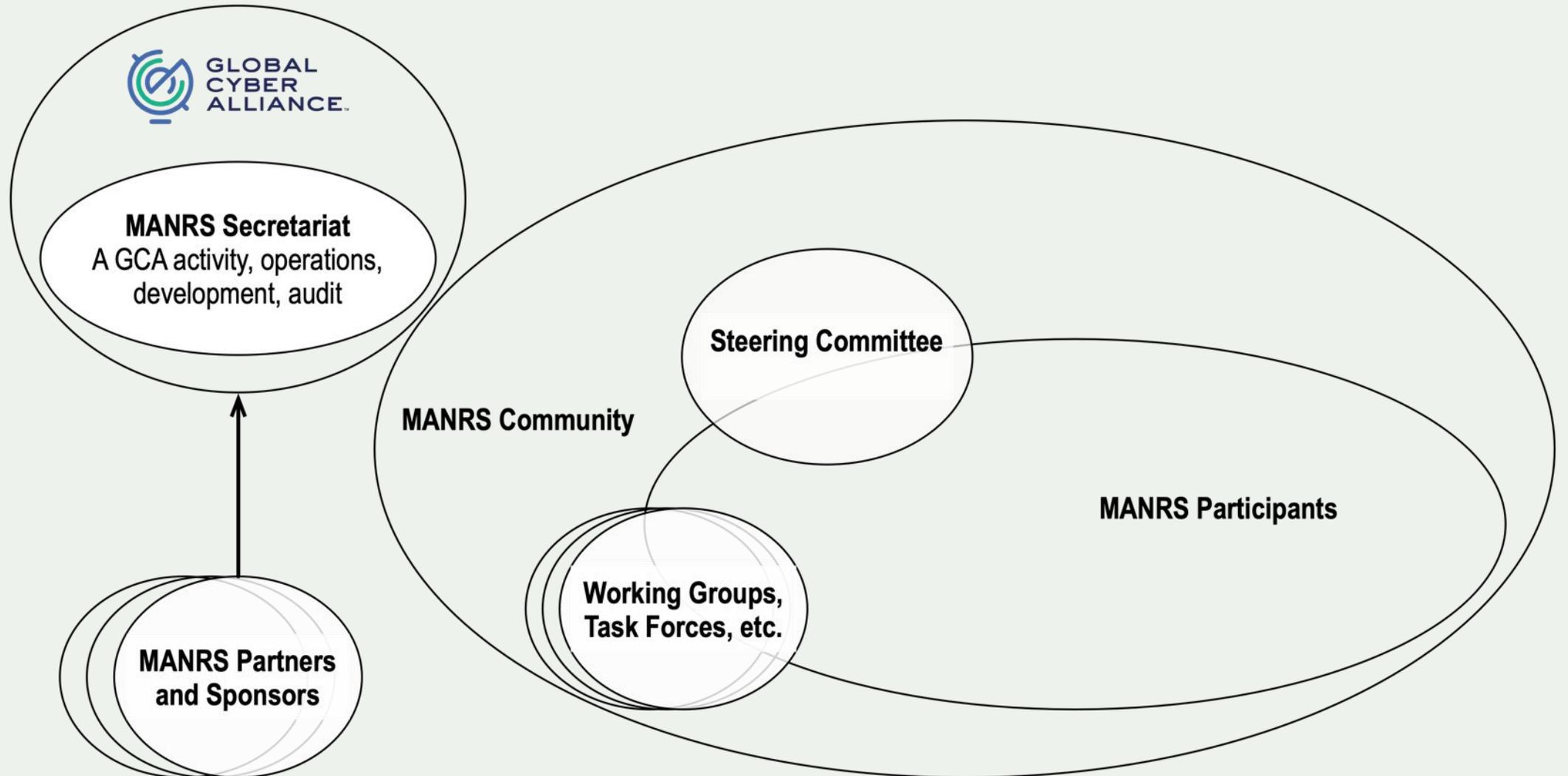
IXP Action 1 – require using auth IRRs?

Pick up some requirements from the [MANRS+ Control Matrix](#)?

- BGP session protection
- Peerlock
- More elaborate audit requirements
- Spoofed traffic trace-back



The MANRS Ecosystem



Stay tuned and participate:
<https://www.manrs.org>

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