

YANG Data Model for RPKI to Router Protocol

draft-liu-sidrops-rtr-yang-04

Presenter: Changwang Lin (New H3C Technologies)

Co-authors: Yisong Liu (China Mobile)

Changwang Lin (New H3C Technologies)

Haibo Wang (Huawei Technologies)

Hongwei Liu (ZTE Corporation)

Di Ma (ZDNS)

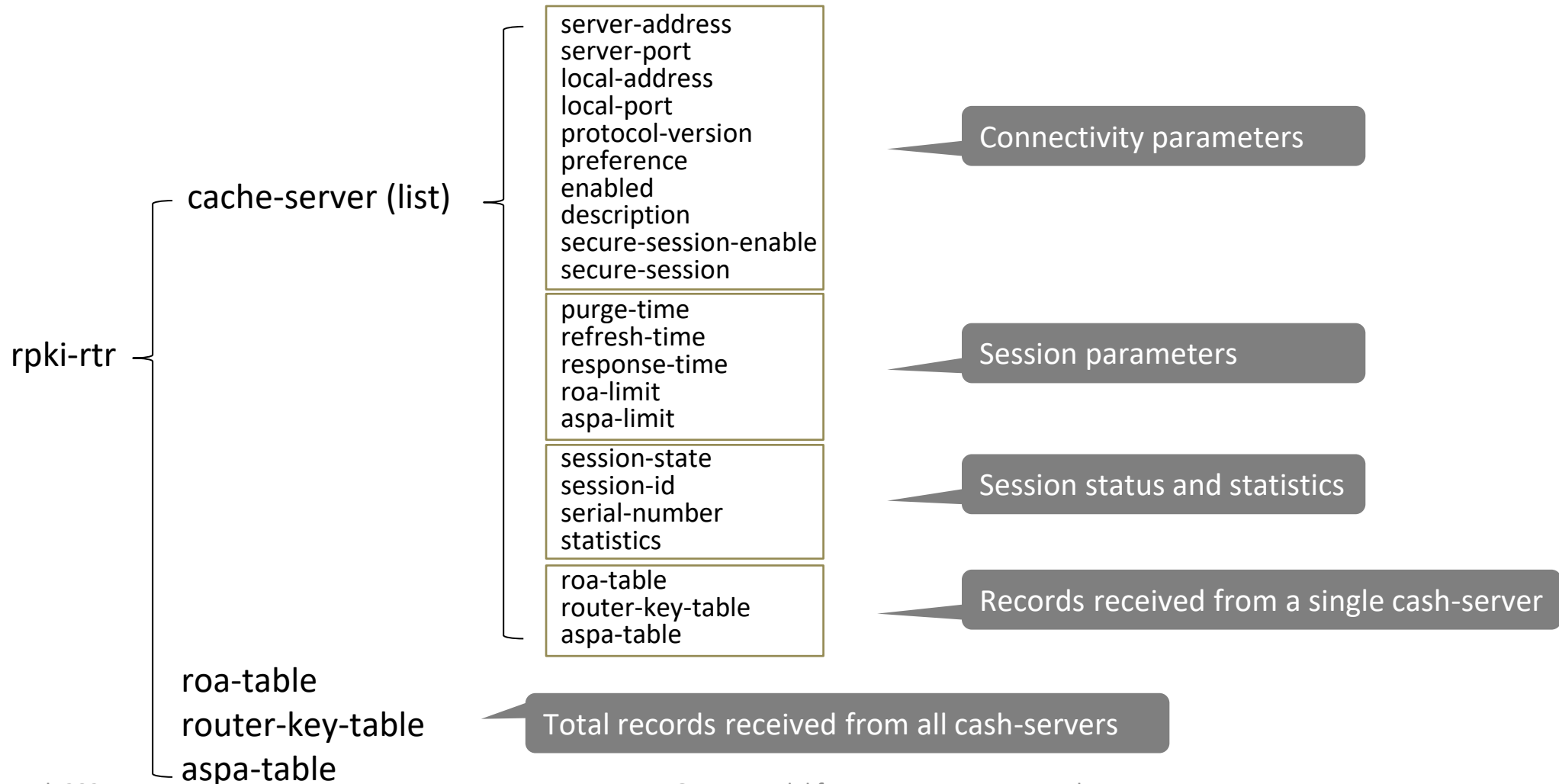
IETF-119, March 2024

Overview

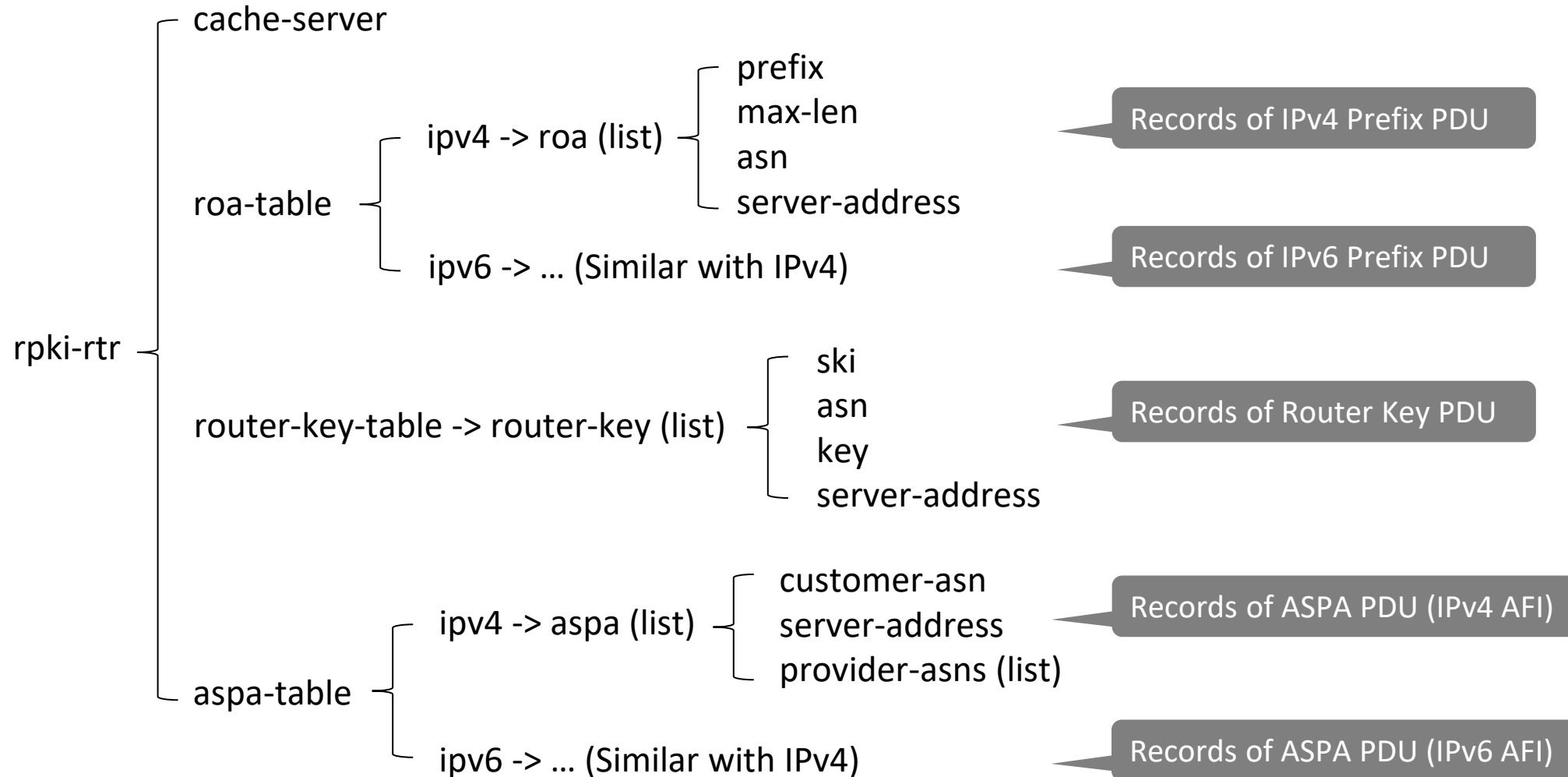
- This document defines YANG data models for RPKI-Router Protocol ([RFC6810], [RFC8210], and [I-D.ietf-sidrops-8210bis]).
 - Four YANG data models are defined:
 - ietf-rpki-rtr.yang: How to configure and manage the RPKI-Router protocol on routers.
 - ietf-bgp-origin-as-validation.yang: How BGP validates the origination AS of BGP routes based on ROA.
 - ietf-bgp-sec.yang: How BGP validates the BGPsec_PATH attribute of BGP routes .
 - ietf-bgp-aspa.yang: How BGP validates the AS_PATH of BGP routes based on ASPA.
- Will be presented in IDR WG at Friday Session II*

ietf-rpki-rtr.yang

How to configure and manage the RPKI-Router protocol on routers.

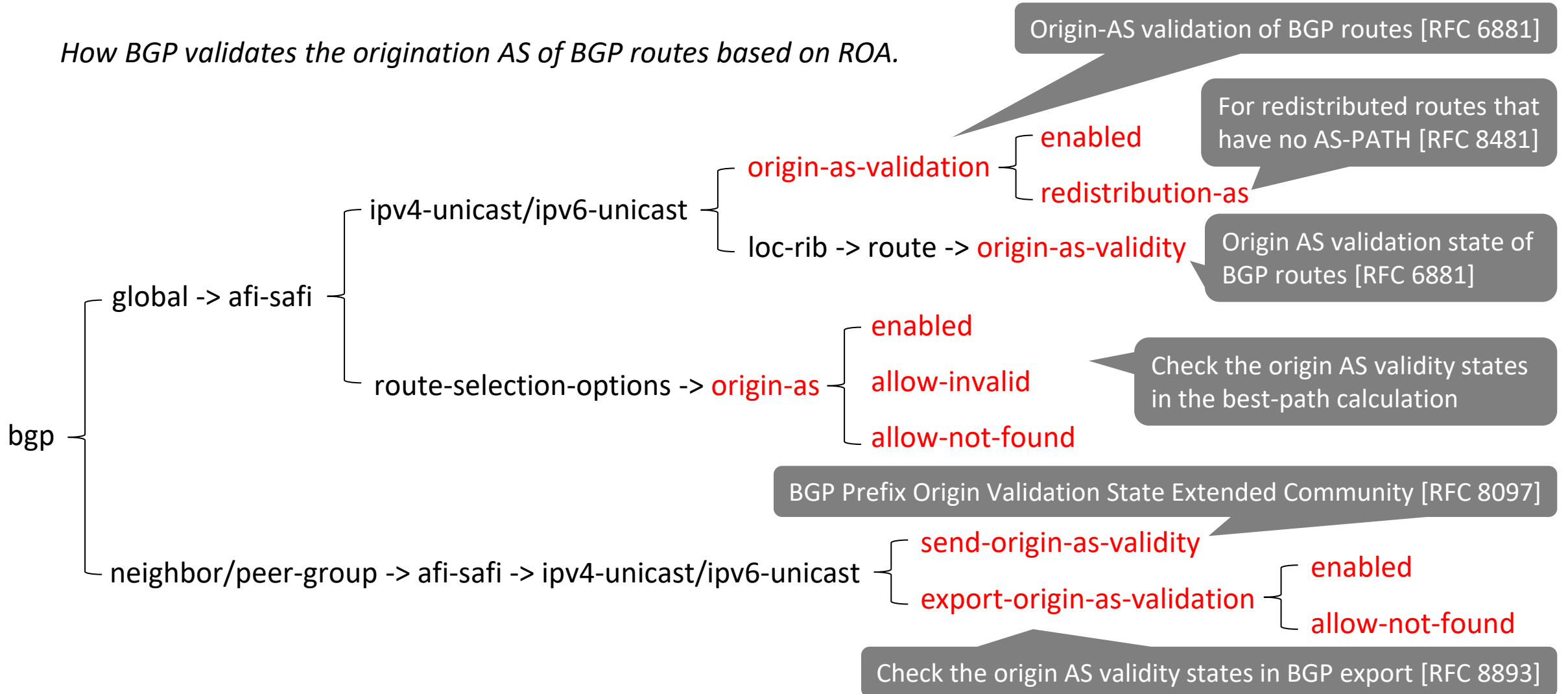


ietf-rpki-rtr.yang (Cont.)



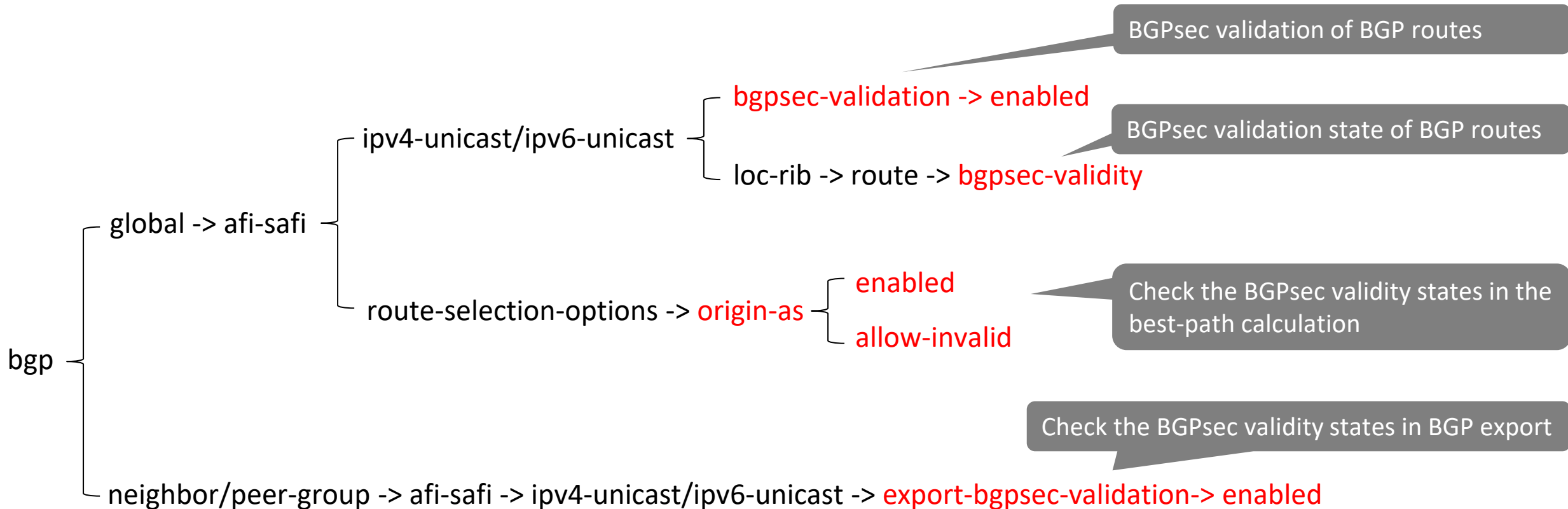
ietf-bgp-origin-as-validation.yang

How BGP validates the origination AS of BGP routes based on ROA.



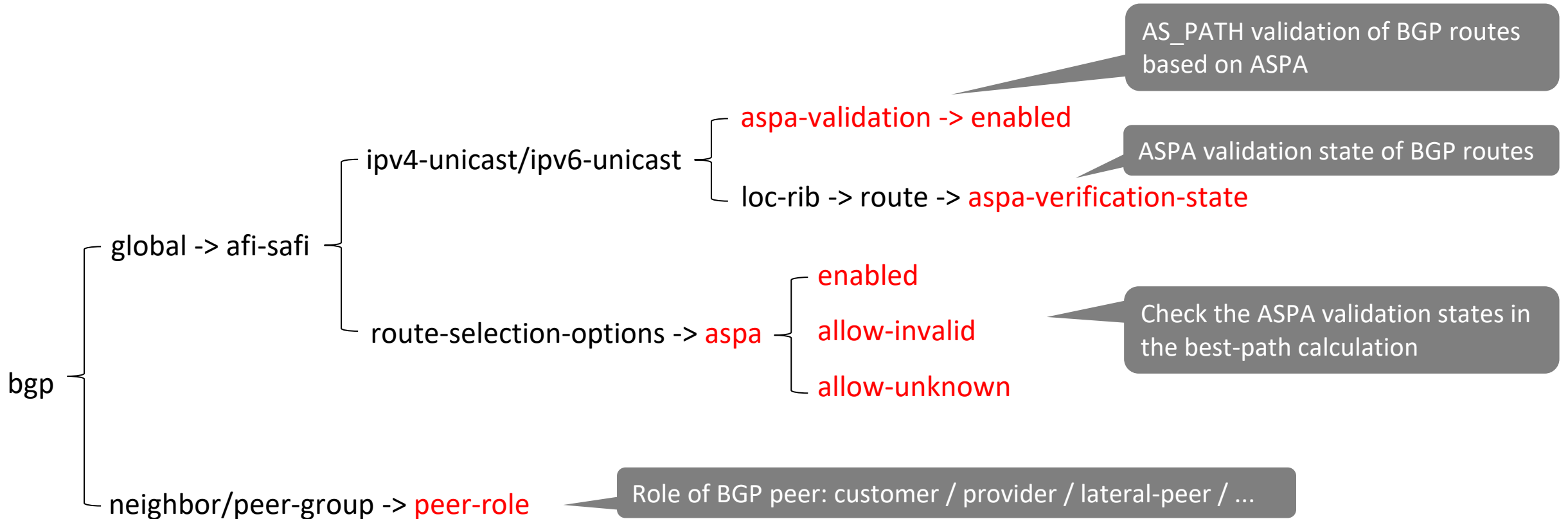
ietf-bgp-sec.yang

How BGP validates the BGPsec_PATH attribute [RFC 8205].



ietf-bgp-aspa.yang

How BGP validates the AS_PATH of BGP routes based on ASPA [draft-ietf-sidrps-aspa-verification].



Next Steps

- Any questions or comments are Welcomed.

Thanks