

# **YANG Data Model for RPKI to Router Protocol**

**draft-liu-sidrops-rtr-yang-04**

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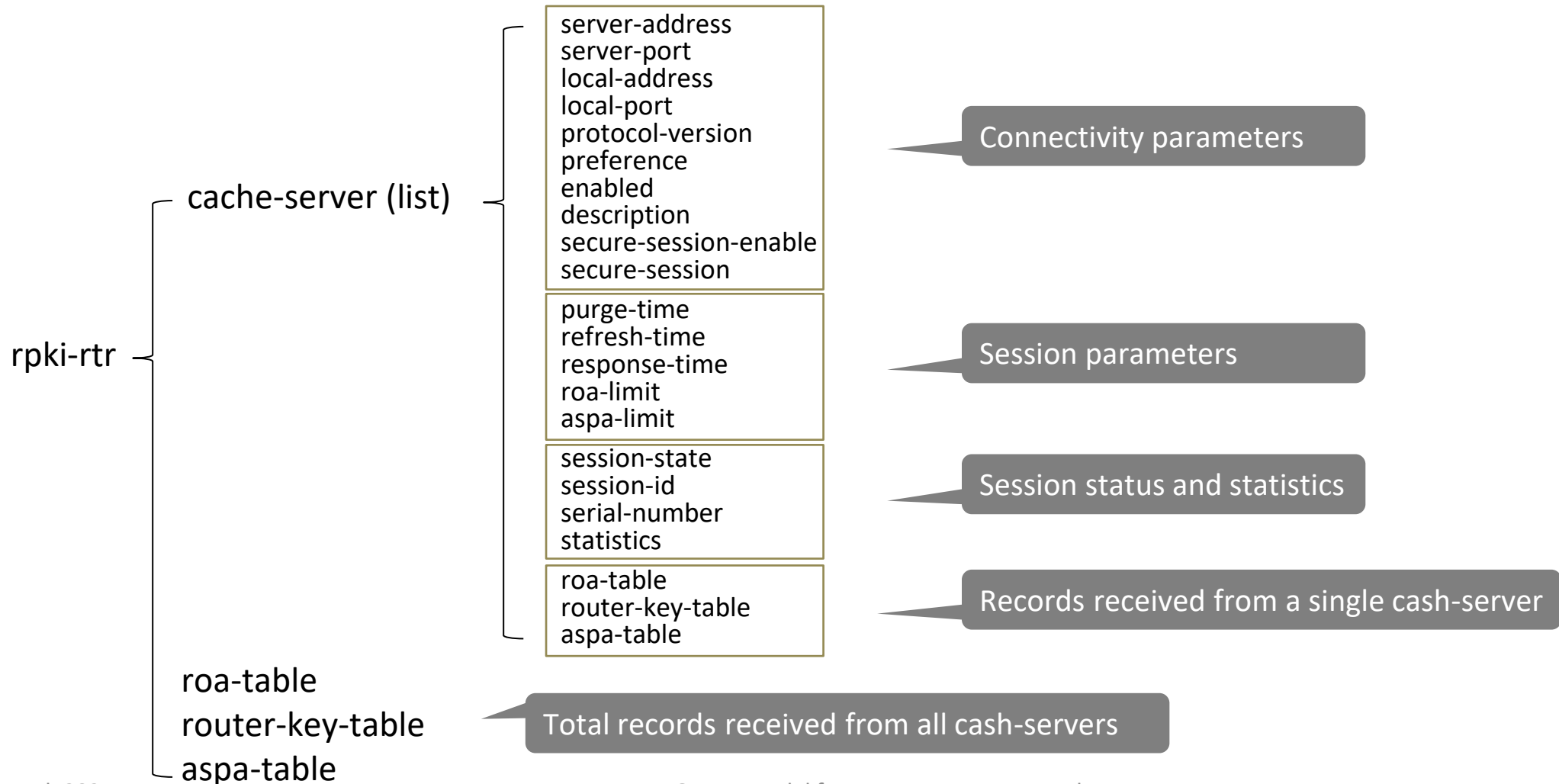
IETF-119, March 2024

# Overview

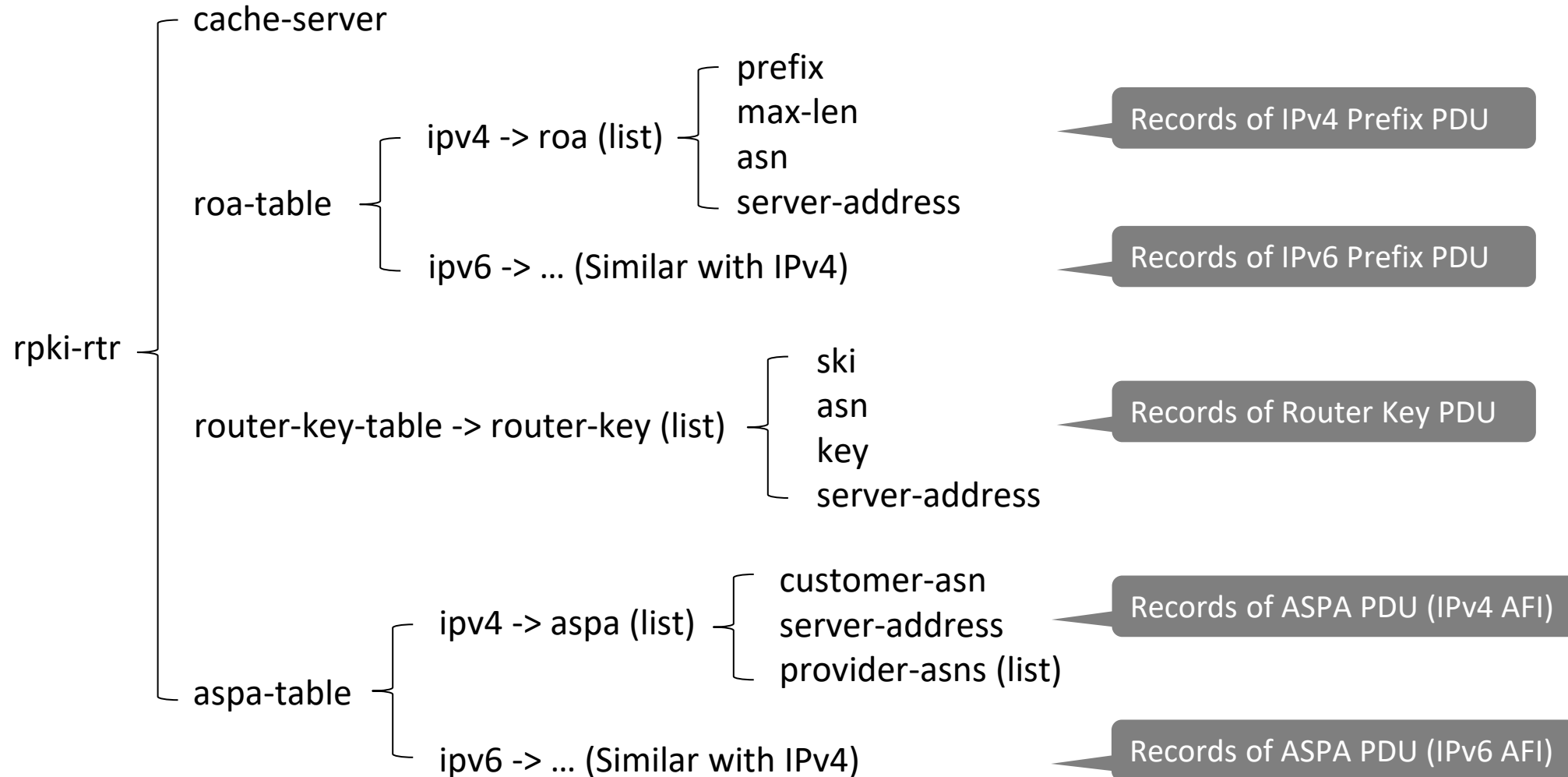
- This document defines YANG data models for RPKI-Router Protocol ([RFC6810], [RFC8210], and [I-D.ietf-sidrops-8210bis]).
- Four YANG data models are defined:
  - ietf-rpki-rtr.yang: How to configure and manage the RPKI-Router protocol on routers.
  - ietf-bgp-origin-as-validation.yang: How BGP validates 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.

# ietf-rpki-rtr.yang

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

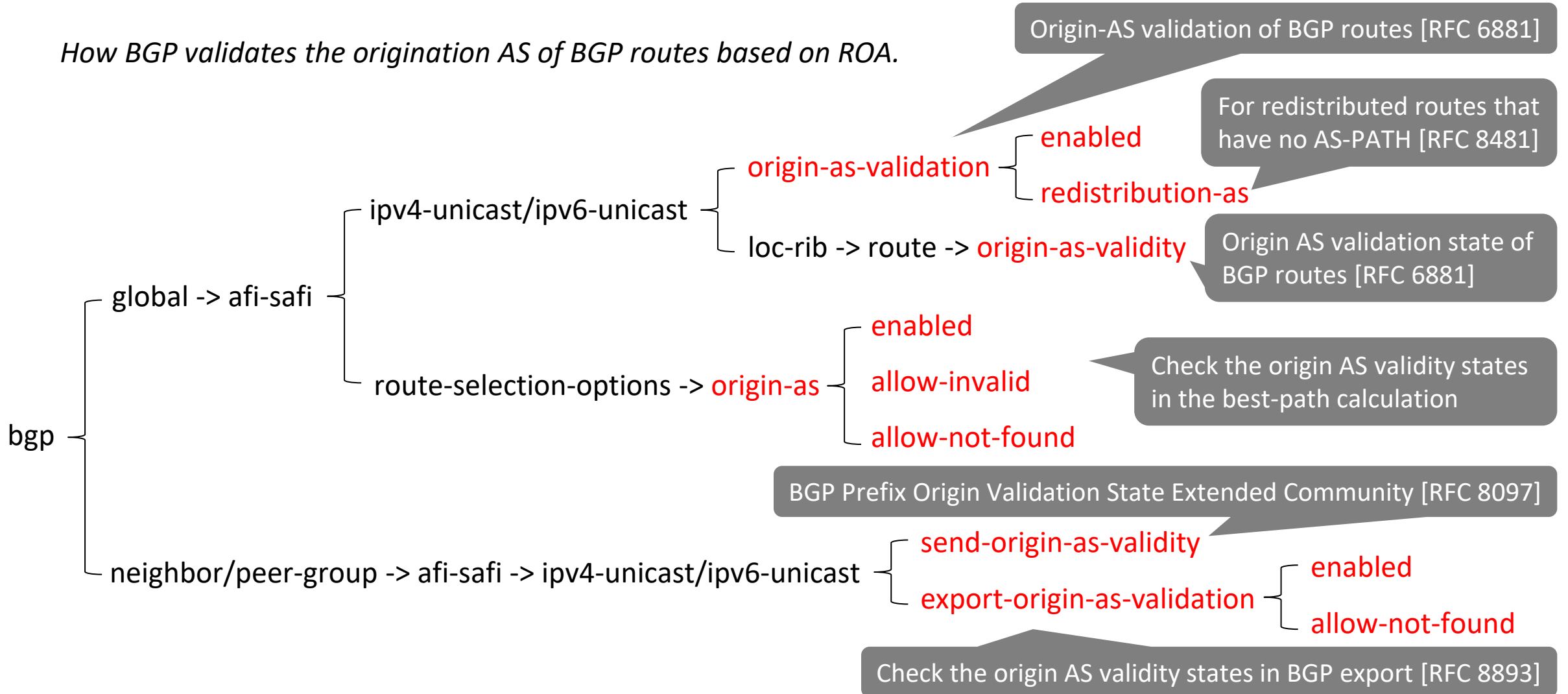


# ietf-rpki-rtr.yang (Cont.)



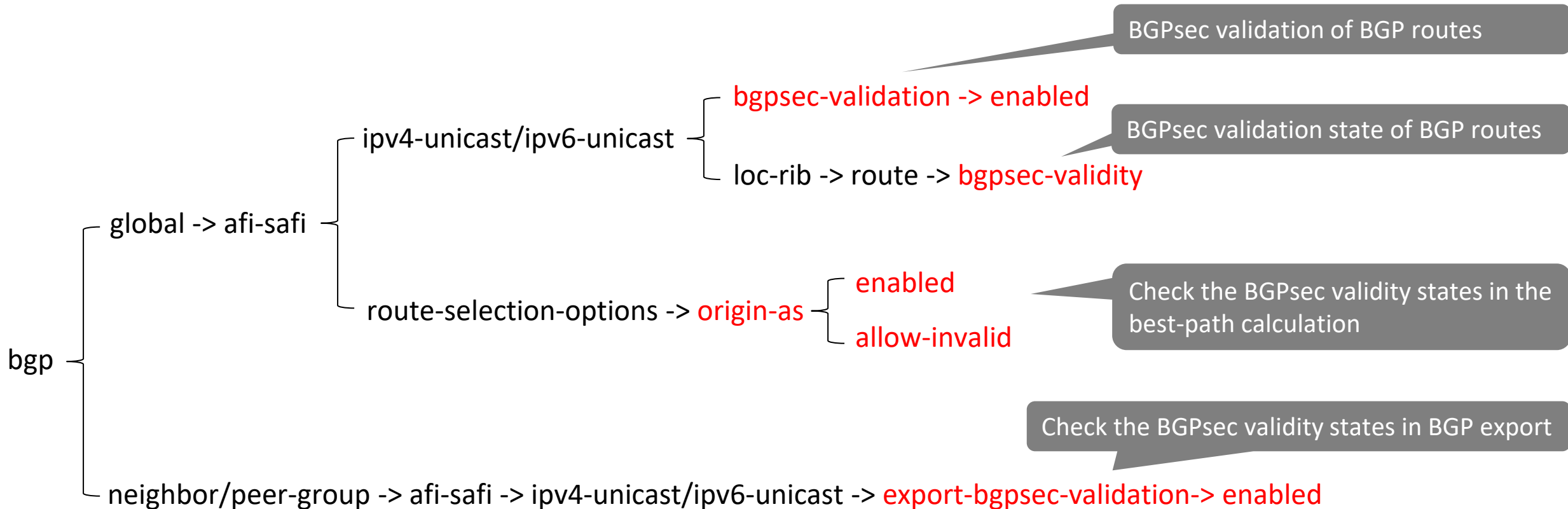
# ietf-bgp-origin-as-validation.yang

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



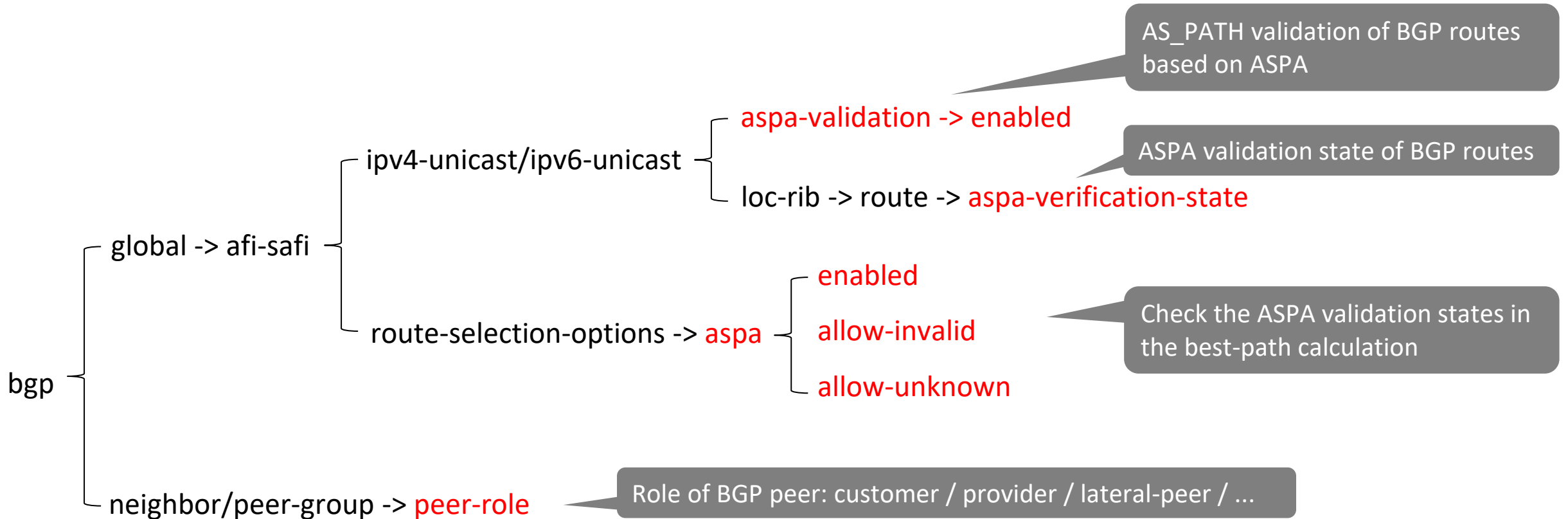
# ietf-bgp-sec.yang

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**