

# SIDR and BGPSEC

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# BGPSEC and SIDR

- The SIDR work has two parts:
  - Origin Validation – basics done and published
    - No changes to BGP protocol
    - Prefix/ASN certificates (RPKI), route origin authorization (ROA)
  - Path Validation – BGPSEC – finishing up
    - Builds on origin validation and RPKI certificates
    - Prevents fiddling with the AS\_PATH
      - Prevents adding valid origin to bogus AS\_PATH
    - Changes to BGP protocol

# IDR Attention Requested

- BGPSEC adds a new attribute to BGP
  - Protecting AS\_PATH means dealing with the core of BGP
- This needs a serious look from BGP experts (you)
  - Some IDR experts have participated
  - More eyes would be good
- If you need background
  - Try the architecture (RFC6480), origin operation (RFC7511) and route validation (RFC6483 and RFC6811) and the bgpsec overview draft-ietf-sidr-bgpsec-overview