

# IANA Code Point Assignment for New BMP Statistics Types

draft-ietf-grow-bmp-bgp-rib-stats-05

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# Overview

- **Stats Reports messages:** Be used by the monitoring station to observe interesting events that occur on the router
- **New BMP Statistics Types:** Define some statistics types to update RFC 7854 for enriching events of interest to routers
  - More detailed counting types for inbound and outbound routing policies
  - RPKI verification result
  - IETF-118 IETF-119 IETF-120

# Updates of version 05

- Completed IANA code points assignment application.

Stat Type	Description	Reference
18	(64-bit Gauge) Number of routes currently in Adj-RIBs-In Pre-Policy. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
19	(64-bit Gauge) Number of routes currently in per-AFI/SAFI Adj-RIBs-In Pre-Policy. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
20	(64-bit Gauge) Number of routes currently in Adj-RIBs-In Post-Policy. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
21	(64-bit Gauge) Number of routes currently in per-AFI/SAFI Adj-RIBs-In Post-Policy. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
22	(64-bit Gauge) Number of routes currently in per-AFI/SAFI rejected by inbound policy. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
23	(64-bit Gauge) Number of routes currently in per-AFI/SAFI accepted by inbound policy (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
24	(64-bit Gauge) Number of routes currently in per-AFI/SAFI selected as primary route. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
25	(64-bit Gauge) Number of routes currently in per-AFI/SAFI selected as backup route. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
26	(64-bit Gauge) Number of routes in per-AFI/SAFI suppressed by configured route damping policy. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
27	(64-bit Gauge) Number of routes in per-AFI/SAFI marked as stale by any configuration. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>

# Updates of version 05

Stat Type	Description	Reference
28	(64-bit Gauge) Number of routes in per-AFI/SAFI marked as stale by LLGR. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
29	(64-bit Gauge) Number of routes left until reaching the received route threshold. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
30	(64-bit Gauge) Number of routes in per-AFI/SAFI left until reaching the received route threshold. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
31	(64-bit Gauge) Number of routes left until reaching the license-customized route threshold. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
32	(64-bit Gauge) Number of routes in per-AFI/SAFI left until reaching the license-customized route threshold. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
33	(64-bit Gauge) Number of routes currently rejected due to exceeding the length threshold of as-path. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
34	(64-bit Gauge) Number of routes currently in per-AFI/SAFI rejected due to exceeding the length threshold of as-path. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
35	(64-bit Gauge) Number of routes currently in per-AFI/SAFI Adj-RIBs-In Post-Policy invalidated after verifying route origin AS number through the ROA of RPKI. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
36	(64-bit Gauge) Number of routes currently in per-AFI/SAFI Adj-RIBs-In Post-Policy validated after verifying route origin AS number through the ROA of RPKI. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
37	(64-bit Gauge) Number of routes currently in per-AFI/SAFI Adj-RIBs-In Post-Policy not found after verifying route origin AS number through the ROA of RPKI. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
38	(64-bit Gauge) Number of routes currently in per-AFI/SAFI rejected by outbound policy. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>

# Updates of version 05

Stat Type	Description	Reference
39	(64-bit Gauge) Number of routes currently refused by exceeding the length threshold of as-path. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
40	(64-bit Gauge) Number of routes currently in per-AFI/SAFI refused by exceeding the length threshold of as-path. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
41	(64-bit Gauge) Number of routes currently in per-AFI/SAFI Adj-RIBs-Out Post-Policy invalidated after verifying route origin AS number through the ROA of RPKI. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
42	(64-bit Gauge) Number of routes currently in per-AFI/SAFI Adj-RIBs-Out Post-Policy validated after verifying route origin AS number through the ROA of RPKI. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
43	(64-bit Gauge) Number of routes currently in per-AFI/SAFI Adj-RIBs-Out Post-Policy not found after verifying route origin AS number through the ROA of RPKI. (TEMPORARY - registered 2024-10-18, expires 2025-10-18)	<a href="#">[draft-ietf-grow-bmp-bgp-rib-stats-04]</a>
44-65530	Unassigned	

- <https://www.iana.org/assignments/bmp-parameters/bmp-parameters.xhtml>

## Next Steps

- Seeking more feedback from WG
- Planning for last call
- Any comments?