RD == 0

What should we do?

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RD Usage and Definition

➲ 8 byte value in conjunction with VPN prefixes to make them Unique
➲ 8 byte value in conjunction with nexthop usually used as 0.
➲ RD type 0:
  ●  <2 bytes Public AS number> <4 bytes Assigned number subfield>
➲ RD Type 1:
  ●  <4 bytes IP Address> <2 bytes Assigned number subfield>
➲ RD Type 2:
  ●  <4 bytes Public AS number> <2 bytes Assigned number subfield>
RD Value of 0

- AS value of 0 is a reserved value for 2 bytes AS.
- Violates with RD type 0
- Defeats the purpose of using RDs in VPNs
RD Value of 0

- Consider RD value of 0 as illegal for VPN prefixes.
- Drop and ignore prefixes in BGP for VPN safi with RD value of 0
- Log an appropriate error.
If we Agree we should Accept this **Very Simple**
document to be sent directly to AD for publication.
Maybe set an IETF record ? Publish V00 ?
Questions ?