BIER MTU discovery

Idea is to find an MTU value that is mostly stable and can be used for all BIER packets in a sub-domain, rather than finding the optimal MTU per receiver set and path
Changes since rev 01

• The discovered MTU is the maximum size BIER packet
  – Size after encapsulation
  – Previously it was IP packet size
  – Ingress router subtracts encapsulation overhead to find IP size
• Implementations should allow configuration of minimum MTU
  – Helps avoid that misconfiguration of a single link causes the entire sub-domain MTU to be reduced
  – Packets that should traverse the too small link likely to get dropped, but other packets not impacted
  – Recommend logging warnings if a link with less than minimum MTU is detected.
Next steps

Adopt as WG item?