

# draft-ietf-grow-geomrt-00



**GROW WORKING GROUP**

**IETF 79**

**BEIJING**

# Feedback



- The document should not be concerned with deficiencies in some deployed software
  - conflicts with original advice
  - but was my original premise 😊
- Instead of an entire new dump type, use a new subtype.
  - eg
  - 7      GEO\_PEER\_TABLE
- Thanks to Richard Barnes and Jeffery Haas for feedback.

# Proposed Update



- Rework of document to:
- specify a new subtype of GEO\_PEER\_TABLE with a subtype value of 7
- Data format:





# Proposed Update



- **Mimics PEER\_INDEX\_TABLE**
  - Some duplication of peer details when geo-location enabled
  - Omits IP and ASN, already in PEER\_INDEX\_TABLE
  - Omits view name and view length
  - Position in table and BGP ID enough to deduce other details if needed.
- **Latitude and Longitude MAY be NaN (IEEE 754), if not coordinates.**
  - For collectors that do not specify Geo-Location info
  - For BGP peers that do not specify Geo-Location info
  - Allows a BGP peer to exist in the same geo-position of the collector and still be valid
  - Cannot be mixed, ie Latitude = NaN, Longitude = -34.77682

# Proposed Update



- **Contains Peer Count number of Peer Entries**
  - As per PEER\_INDEX\_TABLE
- **Ordering MUST be the same as PEER\_INDEX\_TABLE**
  - PEER\_INDEX\_TABLE is used as an index in the subsequent TABLE\_DUMP\_V2 MRT records
  - So, GEO\_PEER\_TABLE follows MRT record ordering and PEER\_INDEX\_TABLE ordering.

# Questions?



- Questions? Comments? Objections?