# RIPE Database Requirements Task Force

Recommendation for APWG

# DBTF Recommendation for Address Policy

Remove RIPE policies that state it compulsory to register all IPv4 PA assignments in RIPE Database

- But keep this RIPE Database function available for holders who still want to use
  - Address holders should be free to decide on registration of their infrastructure assignments

- However, sub-allocating or partitioning part of IPv4 PA address space to another entity should be documented in the RIPE Database

- Note DBTF is not recommending forced deletion of existing assignments in the RIPE Database
  - Although no longer valid assignments should not be in the RIPE Database

WHY

1. A core reason for registering IPv4 PA assignments was to show LIR's IPv4 utilization and thus justify an additional IPv4 allocation from RIPE NCC
   - However this requirement has been rendered obsolete since the RIPE NCC ran out of IPv4 in 2019

# Registration inconsistencies in the RIPE Database

2. Application of IPv4 assignment registration policies in RIPE DB is extremely inconsistent
   – Some holders flood the database with tiny assignments e.g. assignments for individual IP addresses, while many others don't register any assignments (table as of May 2021):

| Over Assigning | Under Assigning |
|---|---|
| /32 assignments = 530,995 (out of a total of 4,206,427) | PA Allocations without any child assignments = 16,232 |
| 420,518 held by 13 LIRs (> 10,000 /32 assignments) | 793 held by 12 LIRs, with 50 or more 'empty' allocations each |
| Few LIRs registered bulk of tiny assignments | Many (9,986) LIRs hold Allocations containing no assignments |

   – /24 allocation holders forced create at least two (/25) assignments or smaller
     o 3,700 * /24 allocations today, policy demands 7,400 assignments min.
     o 64% of announced /24 allocations have 0 assignments in the RIPE Database

3. Data consistency and minimisation principles
   – Data stored in RIPE Database should be adequate, relevant and limited to only what is necessary
   – Recommend resource registration requirements be applied consistently