

draft-ietf-v6ops-v6nd-problems-05

- Status: auth48
- Done with that.
- Implementation advice is present there
 - Differentiation by prioritization
 - Cache tuning

V6ND-Enhance – NDP Refresh

- NDP Refresh timer alteration – Backward compatible with 4861

$\text{next_retrans} = (\$BACKOFF_MULTIPLE^{\$solicit_attempt_num}) * \$RETRANS_TIMER + \text{jittered value.}$

The recommended behavior is to have 5 attempts, with timing spacing of 0 (initial request), 1 second later, 3 seconds later, then 9, and then 27, which represents:

MAX_UNICAST_SOLICIT=5

RETRANS_TIMER=1 (default)

BACKOFF_MULTIPLE=3

- Recommendation, now incorporated into draft-nordmark-6man-impatient-nud

V6ND-Enhance – Gratuitious NA

- Optional approach
- If the link layer address in an unsolicited neighbor advertisement matches that of the existing ND cache entry, routers SHOULD retain the existing entry updating it's status with regards to LRU retention policy
- Has the ability to reduce workload particularly under duress
- Impacts NUD
- Drop or Pursue