

2009-8 Equitable IPv4 Run-Out

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The Goals

- **Ensure an Equitable Distribution of the remaining IPv4 resources**
 - **Ensure multiple organizations have an opportunity to receive IPv4 resources**
 - **Reduce the disparity of IPv4 resource availability between competitive entities**

The Goals

- **Demonstrate Due Diligence when ARIN is called to task by;**
 - **The Courts**
 - **The Politicians**
 - **The Press**
 - **The Public in General**

The Goals

- **Reduce the chance that IPv4 run-out leads to;**
 - **Instability of the Internet**
 - **An artificial competitive advantage**

The Goals

- **Avoid a Friday Night Massacre of the ARIN Free Pool**
 - **Someone cleans out ARIN with a LARGE request late on a Friday afternoon**
 - **Everyone gets a BIG surprise on Monday morning**

The Goals

- **NOT!** intended to extend the life of IPv4 resources
 - If ARIN has a large amount of IPv4 resources, you can still get a large amount of IPv4 resources

Policy Statements

- **First half**
- **Reduces the length of supply that can be requested from 12 months, as the IANA Pool decreases;**
 - **IANA Pool down to 20 unallocated /8s, reduced to 6 month supply**
 - **IANA Pool down to 10 unallocated /8s, reduced to 3 month supply**

Policy Statements

- **Second half**
- **Creates a Maximum Allocation when ARIN receives its last /8**
 - **Maximum Allocation of quarter ($\frac{1}{4}$) of the available ARIN Free Pool**
 - **One (1) Maximum Allocation every three (3) months per OrgID**

Cons

- **In the second half the Maximum Allocation Size will decrease over time, accelerating toward the end**
- **The current text may have the trigger to soon**
- **Will cause some additional deaggregation**
- **May cause some additional work for larger resource consumers, and ARIN, they have to come back more often**

Trigger Adjustment

- Looking at the run-out projections it seems like we can trigger later than we were originally thinking
- Possible change the first half to
 - IANA Pool down to 10 unallocated /8s, reduced to 6 month supply
- Not dropping to a three month supply until ARIN gets its last /8

Editorial Note

- **NRPM 4.2.4.4 is currently titled**
 - 4.2.4.4 Twelve months
 - **Staff recommended a new title, which is included in this Draft Policy**
 - 4.2.4.4 Subscriber Members After One Year
- **NRPM 4.2.4.3 is currently titled**
 - 4.2.4.3 Three months
 - **For consistency and clarity we recommend the AC also change**
 - 4.2.4.3 Subscriber Members Less Than One Year

Questions

