

# Policy Proposals 2005-1 and 2006-4

Provider-independent (PI)  
IPv6 Assignments  
For End Sites



## Policy Proposal 2005-1 Description

- Allow for IPv6 PI assignments to end sites (direct assignments from ARIN to end sites).
- Assignment Criteria
  - ⇒ Not be an LIR, and
  - ⇒ Qualify for an IPv4 PI assignment
- Assignment size = /48

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### AC Shepherds

- ⇒ Lea Roberts
- ⇒ Cathy Aronson

# Policy Proposal 2005-1 History

<b>Introduced on PPML</b>	<b>2 DEC 04</b>
<b>Designated Formal Proposal</b>	<b>15 FEB 05</b>
<b>First PPM Discussion</b>	<b>ARIN XV</b>
<b>Subsequent PPM Discussion</b>	<b>ARIN XVI, XVII</b>
<b>Last Revision</b>	<b>10 FEB 06</b>

Proposal Text  
In Meeting Packet  
[http://www.arin.net/policy/2005\\_1.html](http://www.arin.net/policy/2005_1.html)

# Policy Proposal 2005-1 Implementation Assessment – March 2006

**Resource Impact: Significant**

**Implementation Requirements:**

- **New Template**
- **Registration Software Change**
- **Guidelines Change**
- **Staff Training**

# Policy Proposal 2005-1 Legal Assessment – March 2006

**Legal Risks: None**

# Policy Proposal 2005-1 Staff Comment

**Comments: None**

# Policy Proposal 2005-1

## PPML Discussion

- 3 posts in favor of current revised text
- Threads:
  - ⇒ Routing table and scaling,
  - ⇒ Geo-addressing,
  - ⇒ Multi-homing,
  - ⇒ Promoting transition to IPv6,
  - ⇒ Special ranges for PI space,
  - ⇒ Economic considerations,
  - ⇒ Early adopter advantage,
  - ⇒ Definition of 'end site',
  - ⇒ Go back to the drawing board.

Posts	People
~434*	~42

\* Since ARIN XVI  
27 OCT 05

# Policy Proposal 2006-4





# Policy Proposal 2006-4

## Description

- Allow for IPv6 PI assignments to end sites (direct assignments from ARIN to end sites).
- Assignment criteria
  - ⇒ Not be an LIR
  - ⇒ Be an end site
  - ⇒ Be multihomed with an IPv4 /19 at 80% utilization
- Identified range to facilitate filtering
- Assignment size = /48 from a reserve /44

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### AC Shepherds

- ⇒ Bill Darte
- ⇒ Lea Roberts

# Policy Proposal 2006-4 History

<b>Introduced on PPML</b>	<b>10 FEB 06</b>
<b>Designated Formal Proposal</b>	<b>17 FEB 06</b>
<b>First PPM Discussion</b>	<b>ARIN XVII</b>
<b>Subsequent PPM Discussion</b>	
<b>Last Revision</b>	<b>3 APR 06</b>

Proposal Text  
In Meeting Packet  
[http://www.arin.net/policy/2006\\_4.html](http://www.arin.net/policy/2006_4.html)

# Policy Proposal 2006-4 Implementation Assessment – April 2006

**Resource Impact: Significant**

**Implementation Requirements:**

- **New Template**
- **Registration Software Change**
- **Guidelines Change**
- **Staff Training**

# Policy Proposal 2006-4 Legal Assessment – April 2006

**Legal Risks: None**

# Policy Proposal 2006-4 Staff Comment

## Comments:

- ➔ "must have a direct assignment from ARIN of at least a IPv4 /19" -- Does this mean ARIN issued space only or does it also include legacy space?

# Policy Proposal 2006-4 PPML Discussion

- 10 in favor, 2 others would prefer 2005-1

- Comments:

- ➔ "...be very conservative, e.g., start with a /16 (or higher)."

- ➔ "/19 is too large to encourage enough of an ipv6 adoption, please decrease to /22"

- ➔ "...let's gain some experience."

- ➔ "[Need] well known prefix to make filtering easier when and if it becomes necessary."

Posts	People
~147	~32

## Policy Proposals 2005-1 and 2006-4

**[http://www.arin.net/policy/2005\\_1.html](http://www.arin.net/policy/2005_1.html)**

**[http://www.arin.net/policy/2006\\_4.html](http://www.arin.net/policy/2006_4.html)**