Welcome to Montreal
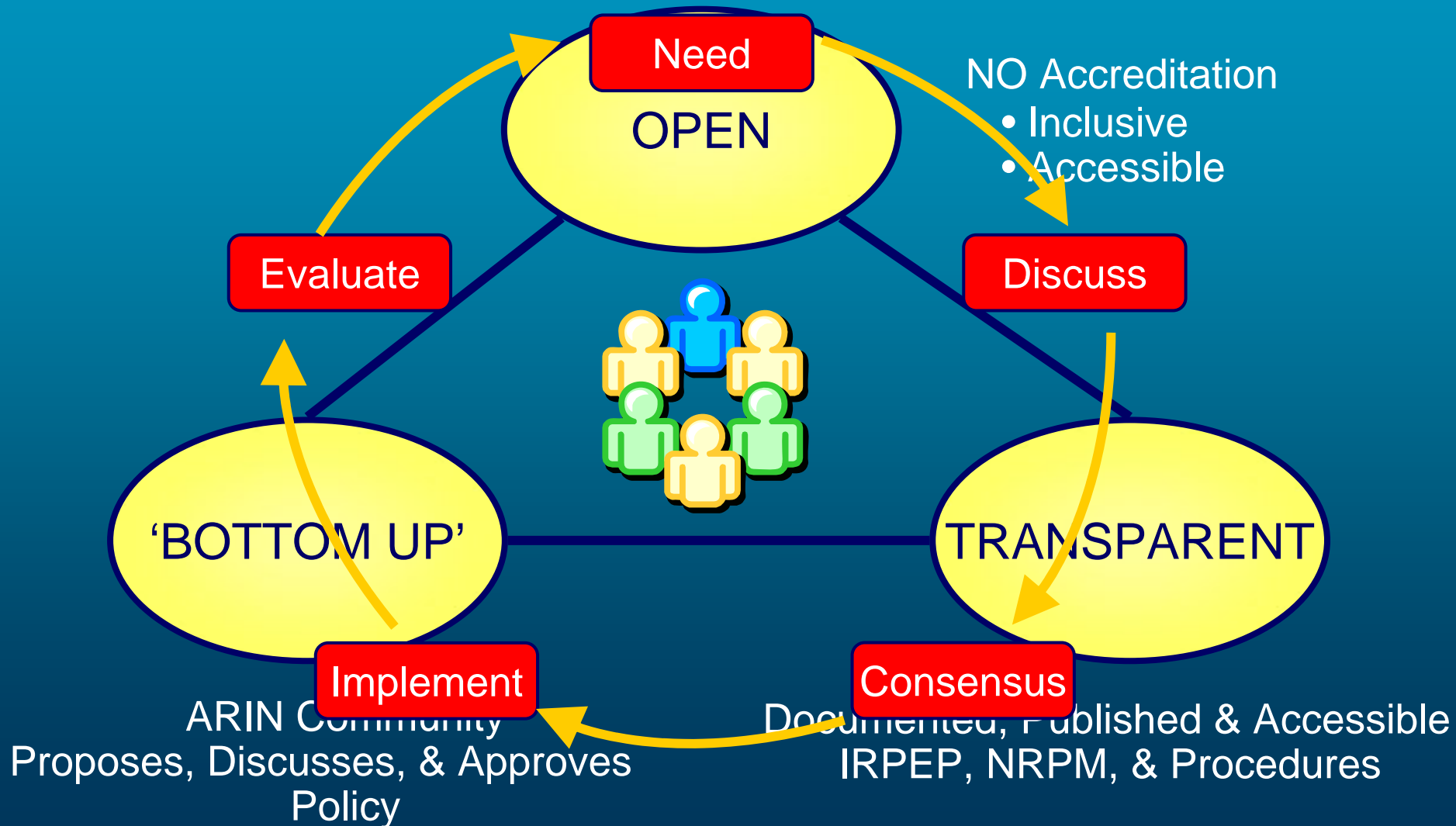
The Open Policy Hour
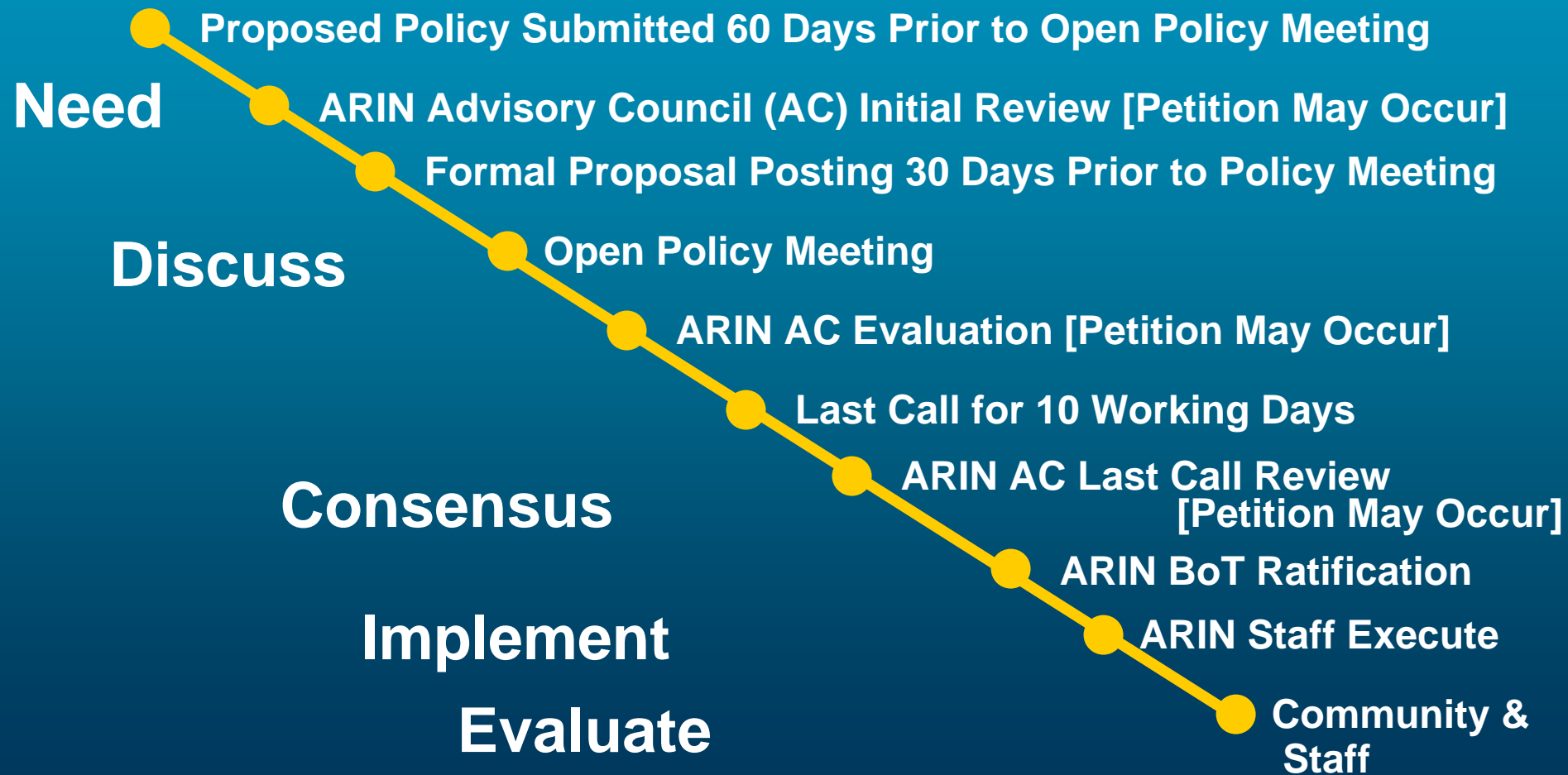
- **P2B2**
  - ➲ The ARIN Policy Process
  - ➲ The Policy Proposals
- **P2B**

The Process

Internet Resource Policy Evaluation Process

Need

- Proposed Policy Submitted 60 Days Prior to Open Policy Meeting
- ARIN Advisory Council (AC) Initial Review [Petition May Occur]
- Formal Proposal Posting 30 Days Prior to Policy Meeting

Discuss

- Open Policy Meeting
- ARIN AC Evaluation [Petition May Occur]
- Last Call for 10 Working Days

Consensus

- ARIN AC Last Call Review [Petition May Occur]
- ARIN BoT Ratification

Implement

- ARIN Staff Execute

Evaluate

- Community & Staff

Policy Proposal Mailing List [PPML]

- **Forum**
  - ➲ Raise
  - ➲ Discuss   **Policy-Related Issues**
- **All Policy Proposals Introduced on PPML**
- **Subscribe**

  http://lists.arin.net/mailman/listinfo/ppml

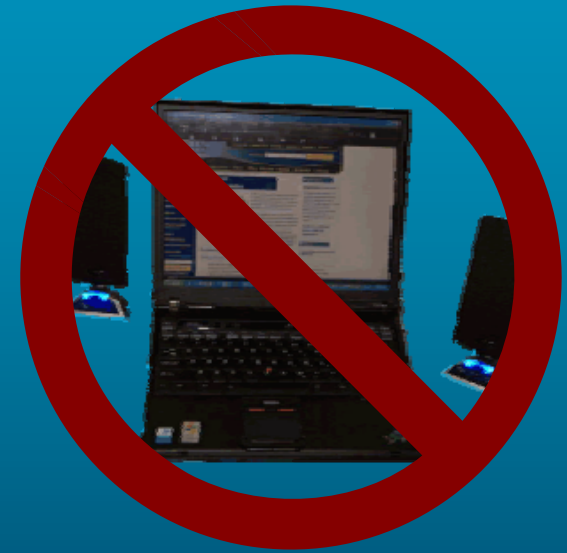# Weathering an ARIN Meeting

Learn the Signs
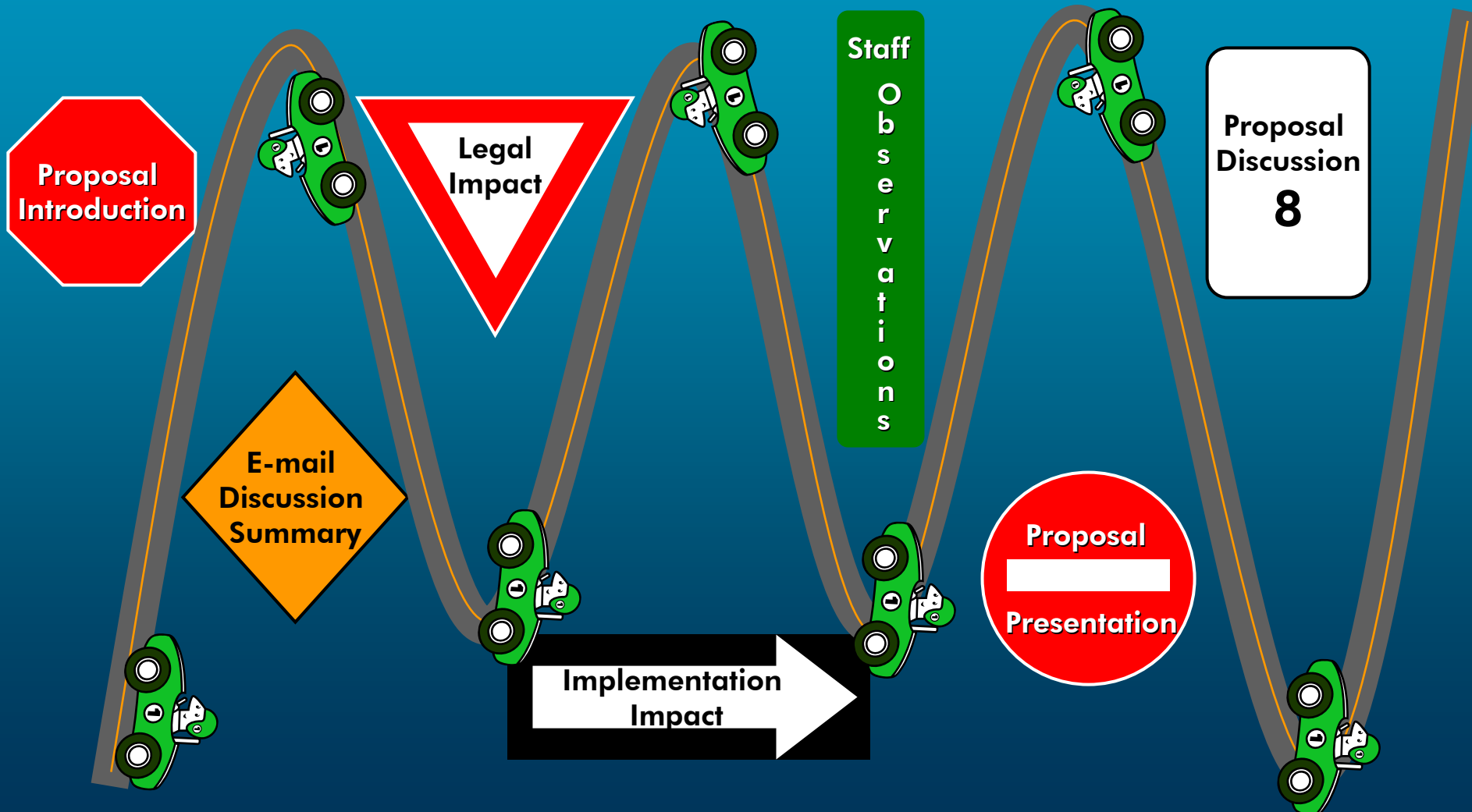
Navigate the Road Safely

Please Be Courteous

- **NO E-MAIL**
- **NO SURFING**

Please Be Courteous

Silence all cell phones, pagers, computers, and electronics

Proposal Discussion Road

Proposal Introduction

Legal Impact

Staff Observations

Proposal Discussion 8

E-mail Discussion Summary

Implementation Impact

Proposal Presentation

Rules of Discussion

1. Equal rights, privileges, and obligations for all

2. Full and free discussion

3. One policy proposal at a time

Rules of Discussion

4. Speak from designated spot when recognized by Chair

WARNING
ADMITTANCE TO AUTHORIZED PERSONNEL ONLY

Speak Your Mind
& ride a fast horse

5. State your name, affiliation, and intent to support or not support proposal

Rules of Discussion

6. Let everyone speak before speaking a second time

7. Three-minute speaking limit

8. Direct all remarks to chair; no debating or attacking

Rules of Discussion

9. Suggest amendments or secondary proposals to Chair

10. Only the Chair

- may poll participants
- will explain what affirmative and negative responses mean

The Proposals

What's on Tap

Policy Discussions		
Issue 1	4-Byte AS Number	2005-9 4-Byte AS Number
Issue 2	Directory Services	2006-1 Residential Customer Privacy 2006-3 Capturing Originations in Templates

What's on Tap

Policy Discussions		
Issue 3	**IPv6 Assignments**	**2005-1** Provider-independent IPv6 Assignments for End Sites **2005-8** Proposal to Amend ARIN IPv6 Assignment & Utilization Requirement **2006-4** IP v6 Direct PI Assignments for End Sites

What's on Tap

Policy Discussions		
Issue 4	Micro-allocations	**2006-2** Micro-Allocations for Internal Infrastructure **2006-5** IPv4 Micro-Allocations for Anycast Service (temporary)

Policy Proposal 2005-1

Provider-Independent
IPv6 Assignments
For End Sites

ARIN XVII
Goodbye Winter
MONTRÉAL
Bonjour le printemps
April 9 - 12, 2006

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**

****

AC Shepherds
  - Lea Roberts
  - Cathy Aronson

Policy Proposal 2005-1
History

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

Proposal Text
In Meeting Packet
http://www.arin.net/policy/2005_1.html

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 2005-8

Proposal to amend ARIN IPv6 assignment and utilisation requirement

ARIN XVII

Goodbye Winter

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Bonjour le printemps

April 9 - 12, 2006

Policy Proposal 2005-8
Description

- **Changes IPv6 policy from /48s for end sites to:**
  - Guidelines – ISPs choose the assignment, minimum = /64, normal maximum = /48.
    - /64 for one subnet
    - /56 for small sites
    - /48 for larger sites
  - Utilization based on /56s

    ****

AC Shepherds
  - Lea Roberts
  - Bill Darte

Policy Proposal 2005-8
History

Introduced on PPML	29 AUG 05
Designated Formal Proposal	1 SEP 05
First PPM Discussion	ARIN XVI
Subsequent PPM Discussion	ARIN XVII
Last Revision	13 MAR 06

Proposal Text
In Meeting Packet
http://www.arin.net/policy/2005_8.html

Policy Proposal 2005-8
PPML Discussion

Posts	People
~53	~17

- **3 in favor, 1 against**
- **Comments:**
  - "…why/how you are picking these points on the knob? What we really mean is allocate what is justifiable…"
  - "…will assignment of a /48 to a customer automatically count as 256 fully utilized /56's?"
  - "I don't think we need to switch to /56 as default at this time…"

Policy Proposal 2005–9

4-Byte AS Number

ARIN XVII

Goodbye Winter

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April 9 - 12, 2006

Policy Proposal 2005–9
Description

- **Establishes 3 dates for changes to ASN policy:**
  - 1 JAN 07 – Process requests for 32-bit ASNs, otherwise default is 16-bit
  - 1 JAN 09 – Process requests for 16-bit, otherwise default is 32-bit.
  - 1 JAN 10 – Cease to make distinction

    ****

AC Shepherds
  - Alec Peterson
  - Mark Kosters

Policy Proposal 2005–9
History

Introduced on PPML	12 DEC 05
Designated Formal Proposal	19 FEB 05
First PPM Discussion	ARIN XVII
Subsequent PPM Discussion	
Last Revision	3 FEB 06

Proposal Text
In Meeting Packet
http://www.arin.net/policy/2005_9.html

Policy Proposal 2005–9
PPML Discussion

Posts	People
112	23

- **12 for, none against**

- **Comments:**
  - ➲ Much discussion about the format (integer, decimal, hex, type of separator, etc.)
  - ➲ "The third [part] is one for which I don't see any compelling reason."

Policy Proposal 2006-1

Residential Customer Privacy

ARIN XVII

Goodbye Winter

Bonjour le printemps

MONTRÉAL

April 9 - 12, 2006

Policy Proposal 2006-1
Description

- **Change current policy to no longer require entire address for residential customers.**

****

AC Shepherds
- Marla Azinger
- Paul Andersen

Policy Proposal 2006-1
History

Introduced on PPML	18 JAN 06
Designated Formal Proposal	26 JAN 06
First PPM Discussion	ARIN XVII
Subsequent PPM Discussion	
Last Revision	

Proposal Text
In Meeting Packet
http://www.arin.net/policy/2006_1.html

Policy Proposal 2006-1
PPML Discussion

Posts	People
27	11

- **2 for, 2 against, 2 for clarifying that neither the +5 of ZIP+5 nor latter half of Canadian zip codes should be required.**

- **Comments:**
  - "Privacy shouldn't be compromised because you or others want demographic information."
  - "…option for complete privacy should exist."
  - "Honestly, I would be content to see a policy that allows an ISP to go full NDA with ARIN and provide reassignment information to ARIN on a private basis."

Policy Proposal 2006-2

Micro-allocations
for Internal Infrastructure

ARIN XVII

Goodbye Winter

Bonjour le printemps

MONTRÉAL

April 9 - 12, 2006

Policy Proposal 2006-2 Description

- **Change IPv6 micro-allocation policy to provide non-routed allocations for internal infrastructure.**

- ***

AC Shepherds
- ➲ Stacy Taylor
- ➲ Bill Darte

Policy Proposal 2006-2
History

Introduced on PPML	9 FEB 06
Designated Formal Proposal	17 FEB 06
First PPM Discussion	ARIN XVII
Subsequent PPM Discussion	
Last Revision	

Proposal Text
In Meeting Packet
http://www.arin.net/policy/2006_2.html

Policy Proposal 2006-2
PPML Discussion

Posts	People
11	8

- **No clear statements for or against**

- **Comments:**
  - "There is no reference to RIRs & IANA in the sub-sections… Might I suggest 6.10.4?"
  - "There is some discussion of anycasted servers."

Policy Proposal 2006-3

Capturing Originations in Templates

Policy Proposal 2006-3
Description

- **ARIN would, in all IPv4 and IPv6 number transactions, collect and display the ASN(s) which are permitted to originate a prefix.**

****

AC Shepherds
  - Mark Kosters
  - Suzanne Woolf

Policy Proposal 2006-3
History

Introduced on PPML	**9 FEB 06**
Designated Formal Proposal	**17 FEB 06**
First PPM Discussion	**ARIN XVII**
Subsequent PPM Discussion	
Last Revision	

Proposal Text
In Meeting Packet
http://www.arin.net/policy/2006_3.html

Policy Proposal 2006-3
PPML Discussion

Posts	People
33	10

- **2 for, 1 for as long as info is also put in IRR, 2 said to use the IRR, 1 said use RPSL**

- **Comments:**
  - "…effort would be better spent in revitalizing the RR…"
  - "This [is] a simple method to allow folks doing prefix-list building to verify that sprint (sic) has the block owners authority to originate said block."

Policy Proposal 2006-4

Provider-Independent
IPv6 Assignments
For End Sites

ARIN XVII

Goodbye Winter

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Bonjour le printemps

April 9 - 12, 2006

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**

****

AC Shepherds
- ➲ Bill Darte
- ➲ Lea Roberts

Policy Proposal 2006-4
History

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

Proposal Text
In Meeting Packet
http://www.arin.net/policy/2006_4.html

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 Proposal 2006-5

IPv4 Micro-allocations for anycast services (temporary)

ARIN XVII

Goodbye Winter

Bonjour le printemps

MONTRÉAL

April 9 - 12, 2006

Policy Proposal 2006-5
Description

- **Add anycast services to the IPv4 micro-allocation policy**
- **Limited to 16 allocations and 2 years**

****

AC Shepherds
- ➲ Suzanne Woolf
- ➲ Matt Pounsett

Policy Proposal 2006-5
History

Introduced on PPML	10 FEB 06
Designated Formal Proposal	17 FEB 06
First PPM Discussion	ARIN XVII
Subsequent PPM Discussion	
Last Revision	

Proposal Text
In Meeting Packet
http://www.arin.net/policy/2006_5.html

Policy Proposal 2006-5
PPML Discussion

Posts	People
2	2

- **One for, one against**
- **Comments**
  - ➲ "The intent of this policy is to have blocks of an appropriate size…that will ensure global reachability."
  - ➲ "…opposed unless you can show me that an anycasted /24 out of a larger netblock is truly unreachable from somewhere."

References

- **Policy Proposal Archive**

  http://www.arin.net/policy/proposals/proposal_archive.html

- **Public Policy Mailing List**

  http://www.arin.net/mailing_lists/index.html

Policy Proposal BoF

Purpose

Increase awareness of policy process

- **Internet Resource Policy Evaluation Process**
  - Policy is a community decision

Informal setting for policy discussion and feedback - No commitments

Previous Discussion Highlights

- **Formal Policy Proposals**

Procedures

Informal Discussion

- **No meeting minutes**
- **New policy ideas will not be on the ARIN XVII meeting agenda**

Time - Fair and flexible

Going Forward

Your Choice
- **Continue discussion informally**
- **Take the discussion to PPML**
- **Submit a formal policy proposal**

Thank You