



# RIPE NCC Charging Scheme 2005



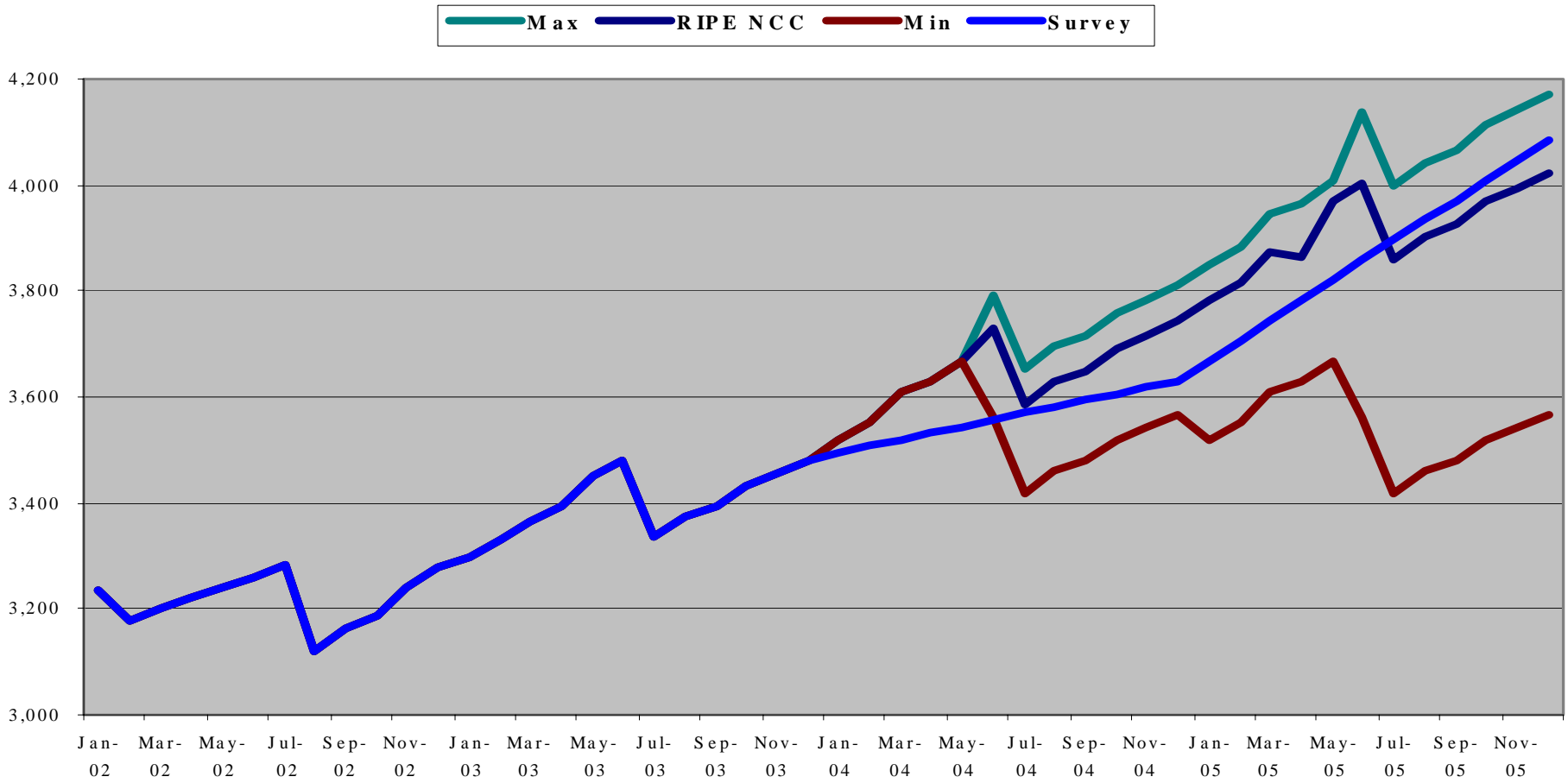
# Contents Charging Scheme 2005

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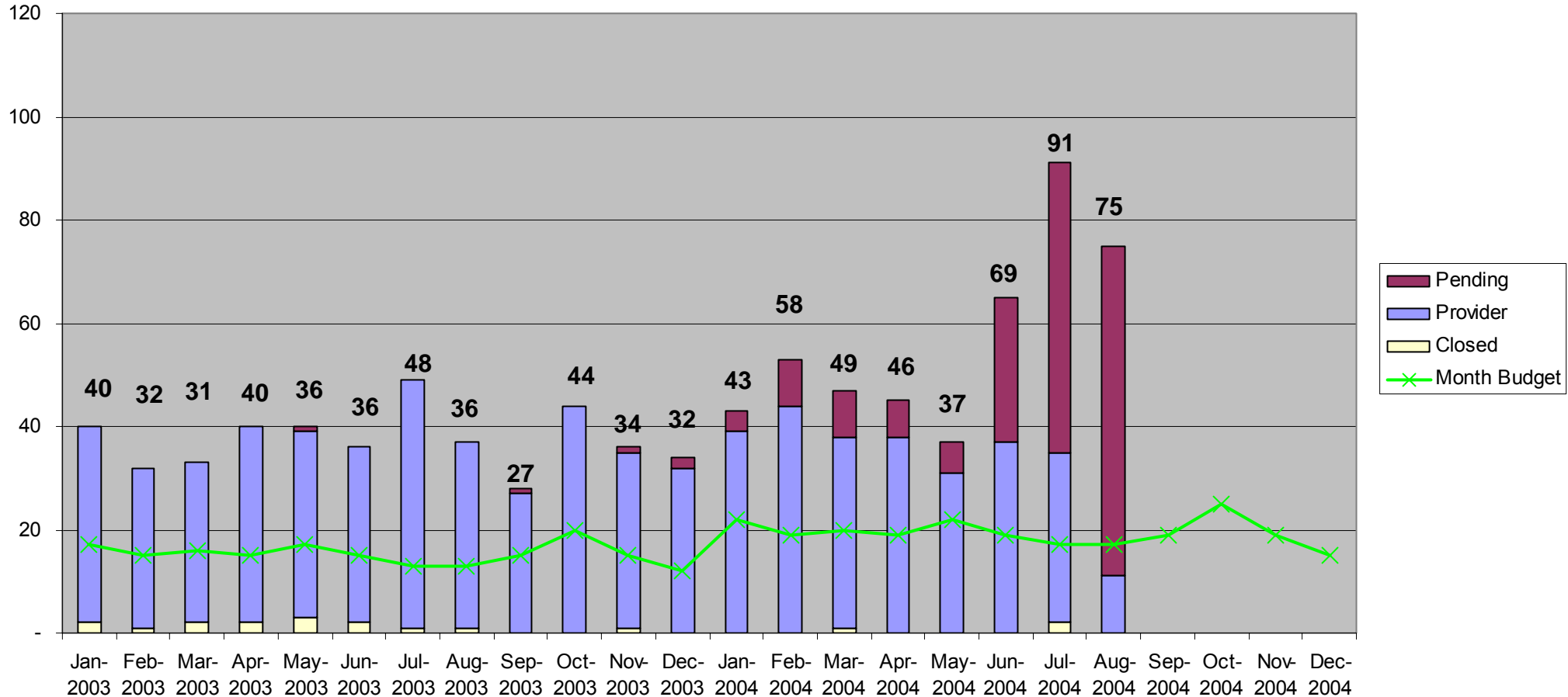


# Membership Growth I

Total Membership growth 2004 - 2005



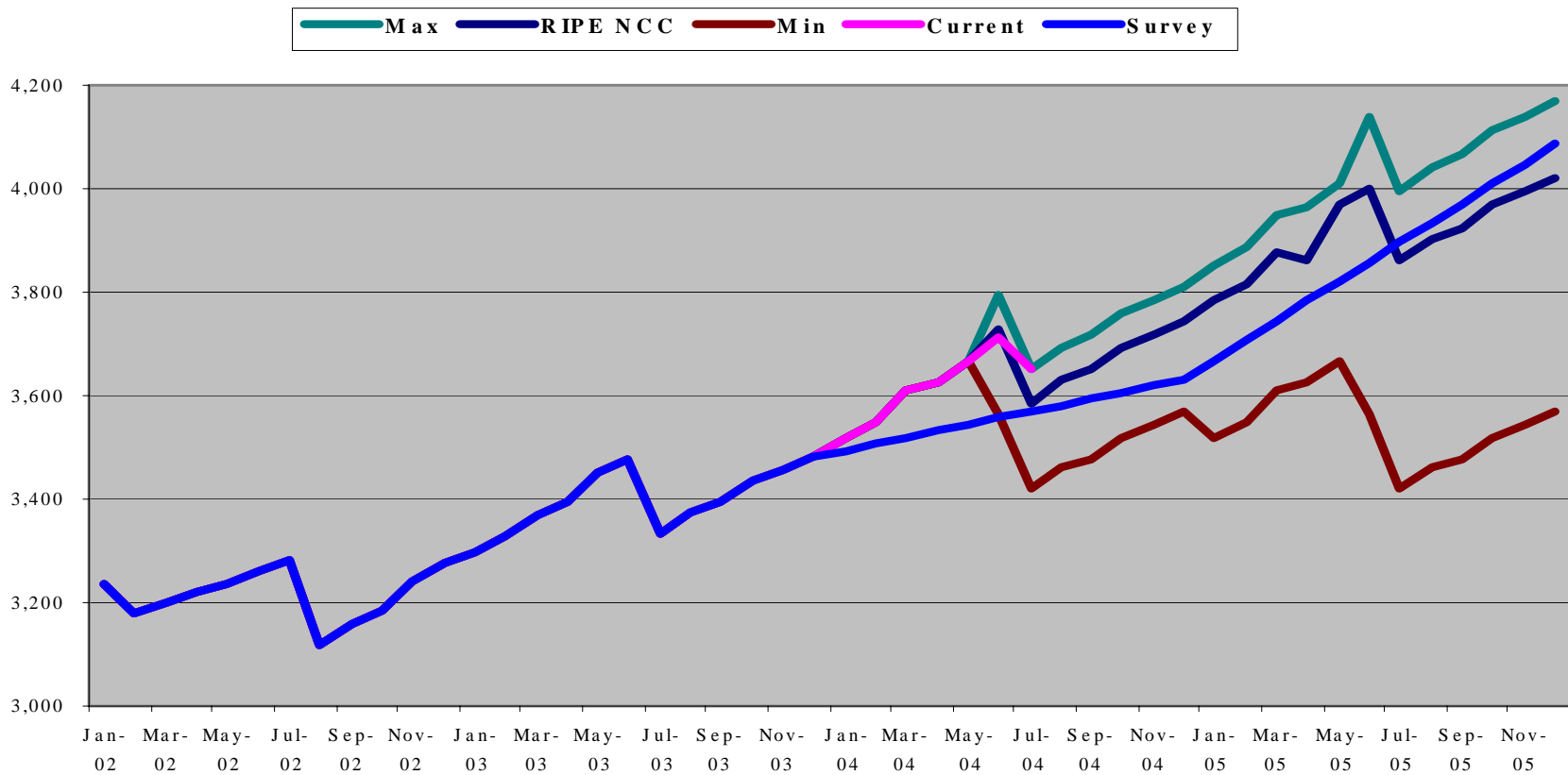
# Membership growth II





# Membership Growth III

Total Membership  
Avg 12 Month growth %





# Budgeted Membership 2005

Number of LIRs	2001	2002	2003	Projection 2004	Budget 2005
Extra Small	-	-	-	729	1,156
Small	2,536	2,503	2,664	2,247	2,082
Medium	441	614	659	647	757
Large	145	152	165	130	151
Extra Large	-	-	-	33	38
<b>Total membership</b>	<b>3,122</b>	<b>3,269</b>	<b>3,488</b>	<b>3,786</b>	<b>4,184</b>
<b>Net Growth %</b>	<b>22 %</b>	<b>5 %</b>	<b>7 %</b>	<b>9 %</b>	<b>11 %</b>



# Requirements set for Charging Scheme 2005

- Fair and clear Charging Scheme structure
- Consistency, in line with membership developments and size of registries
- Reflecting all membership services the RIPE NCC provides its members
- Improve predictability of Income
- Stability in Income



# Changes made for Charging Scheme 2005

- Decrease in average Service Fee of 10%
- Sign-up fee decrease for new members of 20%
- New members initial category set at Extra Small
- Administration fee instead of Takeover fee
- IPv4 PI resources taken into account in the algorithm
- Change in Billing Score algorithm





# Annual Service Fees 2005

	2001	2002	2003	2004	2005
Extra Small	-	-	-	2,000	1,750
Small	2,100	1,800	2,750	2,500	2,250
Medium	2,950	2,500	3,750	3,500	3,150
Large	3,900	3,400	5,250	5,000	4,750
Extra Large	-	-	-	6,750	6,500
Sign-up fee	2,100	2,100	2,500	2,500	2,000
Administration fee	-	-	-	1,250	1,250



# Changes Billing Score Algorithm 2005

- PI IPv4 addresses accounted for allocations / assignments of the past 12 months
- AS Numbers are scored for assignments of the past 12 months
- No change in the scoring of PA IPv4 and IPv6
- % of members per billing category as 2004
- Same algorithmic function

# Billing Score Table 2005

Prefix IPv4	Prefix IPv6	AS Numbers 2004	Prefix PI IPv4 2004	Scoring Unit
IPv4 / 21	IPv6 / 33		PI IPv4 / 25	0.5
IPv4 / 20	IPv6 / 32	1 ASN	PI IPv4 / 24	1
IPv4 / 19	IPv6 / 31	2 ASN	PI IPv4 / 23	2
IPv4 / 18	IPv6 / 30	4 ASN	PI IPv4 / 22	4



# Billing Score Algorithm 2005

- Size is determined on basis of 2 variables
  - Prefix of the allocation/assignment
  - Age of the allocation/assignment

Registry score = (Alloc1 \* Time)+(Alloc2\*Time)+etc.

$$S(\text{reg}) = \sum_{i=1}^N a_i * t_i$$

$a_i$  = Scoring unit

$t_i$  = Time function of allocation/assignment  $i$  ( year of allocation – 1992 )

$N$  = Number of allocations/assignments

# Questions

