



# RIPE NCC Activities, Expenditure and Charging Scheme 2001

*(ripe-213)*

presented by:

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# Outline

- Membership Services
- Co-ordination Activities
- New Projects





# Membership Services

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# Regional Internet Registry

- IP Address Allocation & Assignment
- AS Number Assignment
- Reverse Delegation
- Consistency & Auditing
- Internal Quality

## Co-ordination & Liaison:

- RIRs Co-ordination & Co-operation
- ICANN / IANA / ASO

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# Initial Support for LIRs

- LIR Set-up
- LIR Training Courses
  - Continue to develop course material
  - Advanced Courses





# Test Traffic Measurements

## Moving from a new project to a regular service:

- Test-boxes are now for sale
- Service contract for operation by the RIPE NCC
- Potential tax issues with charging for the service
- **Want to keep the momentum**
- Board agreed to roll out service as planned, service fee set to 0 for the time being

## Main development areas for 2001:

- Scalability: 45 machines today, expect 200 by 31/12/2001
- Develop services and products using the data, do other measurements with the boxes
- User input and feedback





# Co-ordination Activities

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# RIPE Database

- Software Maintenance & Development
- User Support
  - Mailbox, Documentation
- Consistency & Accuracy
- Data Availability & Exchange
- New Database Features

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# Routing Information Service

- Move to a regular service
- Add more route collectors
  - Planned: AMS-IX, SFINX
- Increase functionality
- Produce reports:
  - Graphs: #prefixes, #hosts, ...
  - Daily/Weekly email
- Provide input for the RRCC
- Statistical and trend analyses

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# DNS Co-ordination

- Operation of Root NS (k.root-server.net)
- Secondary DNS Service for TLDs
- DNS Hostcount





## Info. Services & Communication

- **Information Dissemination**
  - Website / Mailing List maintenance
- **External Representation**
- **RIPE NCC PR & Outreach**
  - RIPE NCC awareness
  - RIPE & RIPE NCC identity
  - Co-operation/Relations with other organisations
- **Reporting**
  - Annual Report

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# RIPE Meetings

- Administrative & Technical Support
- Organisation of meetings
- Mailing List / Website Management
- Support for WG chairs





# New Activities



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# SecDep / Internet Security

- SECurity technology DEPLOYment
- The issues:
  - Various IP-security standards have been developed in recent years
  - First implementations appear on the market
  - ISP's are interested in deploying them
  - ISP's lack the knowledge and manpower

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## SecDep: Goals

- **Deploy IP security technology in RIPE NCC**
  - Start with DNSsec for the in.addr tree
  - IPsec next year
- **Provide assistance to interested ISP's**
  - Training courses
  - "How-to's", FAQ's
  - Set up support facilities for ISP's at the NCC
  - Evaluate products
  - Produce tools
- **Planning stage, work will start December 2000**

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# Growth Plan and Budget 2001

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# Growth Plan & Budget 2001

Activity Area	2000	%	2001	%	change	%
Membership Services						
Registration Activities	2646	42.6	3539	44.7	893	33.7
Test-Traffic Measurements	299	4.8	459	5.8	160	53.5
Co-ordination	1786	28.8	2225	28.1	439	24.6
New Activities	489	7.9	637	8.0	148	30.4
Administration	990	15.9	1064	13.4	74	7.5
<b>Total (kEUR)</b>	<b>6210</b>		<b>7924</b>		<b>1714</b>	<b>27.6</b>

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# Projected and Observed Growth in LIRs

Registries	Observed			Projected	
	1997	1998	1999	2000	2001
Large	66	75	93	81	81
Medium	188	253	346	413	413
Small	653	935	1257	2025	2475
<b>Total</b>	<b>907</b>	<b>1263</b>	<b>1696</b>	<b>2519</b>	<b>2969</b>





# Proposed Charges for 2001

<b>Annual Charge</b>	<b>2001</b>	<b>2000</b>	<b>1999</b>	<b>1998</b>	<b>1997</b>	<b>1996</b>
<b>SMALL</b>	<b>2100</b>	<b>2400</b>	<b>2650</b>	<b>2450</b>	<b>2200</b>	<b>1500</b>
<b>MEDIUM</b>	<b>2950</b>	<b>3350</b>	<b>3700</b>	<b>3400</b>	<b>3000</b>	<b>4500</b>
<b>LARGE</b>	<b>3900</b>	<b>4400</b>	<b>4900</b>	<b>4500</b>	<b>4000</b>	<b>8500</b>
<b>Sign Up</b>	<b>2100</b>	<b>2100</b>	<b>2100</b>	<b>2000</b>	<b>1300</b>	<b>2000</b>





# Questions and Answers



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