ERX activity report

DNS Operations SIG
APNIC 19
2005, Kyoto

Background on ERX Project

- Early Registrations Transfer - ERX
  - *Number resources allocated and assigned before RIR policy process developed*

- Maintained at ARIN
  - Inherited responsibilities from InterNIC in 1997
  - Requests from APNIC, RIPE-NCC members for delivery of service in region

- 110 AS Transfers completed in one move
  - Includes ranges

- IPv4 Transfers began Jan 2003 to all RIR

- Final APNIC Transfers (192/8) Dec 2004

Some statistics..

- 16 /8 currently managed by APNIC as direct allocations from IANA

- 42 extra /8 in ERX process
  - Allocations and assignments in AP region

- DNS management implications
  - 2 /8 'mastered' (150/8 and 163/8)
  - 40 /8 'zone fragments' to other RIR
  - NIR responsibilities across all 42 /8

Some more statistics…

- 2337 discrete networks moved

- 1308 new entities to communicate
  - Approximate, some overlaps
    - multiple maintainer entries in ARIN
    - existing members etc
  - RIPE NCC had much larger problem
  - Transfers for most /8 done in common across RIR
    - 192/8 done separately for each RIR

Breakdown by /8

/8	nets	/8	nets	/8	nets	/8	nets
128	3	129	9	130	18	131	14
132	6	134	14	136	5	137	14
138	23	139	15	140	28	141	8
143	19	144	26	146	14	147	20
148	4	149	6	150	99	151	5
152	14	153	3	154	3	155	11
156	10	157	68	158	30	159	12
160	67	161	26	162	6	163	59
164	20	165	42	166	15	167	11
168	24	169	2	170	4	192	1443
196	19	198	97				

The Future..

- ERX Nets subject to APNIC Policy
  - Lame DNS (many lame NS imported)
  - Historical Resource Protection
    - Ongoing communications activity
- Methodology for transfers
  - inter-RIR adopting RIPE/ARIN process
    - Thanks to Leo Vegoda for assistance
  - APNIC-NIR case-by-case process
- DNS shared zone management
  - Improved APNIC DNS management processes
  - Dialogue with Shin Yamasaki
    - Process review APNIC/JPNIC

APNIC ERX activity completed

- Thanks to Cathy Murphy, ARIN
  - Oversight of project, P.M.
  - Detailed, per /8 transfer management
  - Data preparation for import
  - Data checking after transfer
  - DNS cutover

Questions?