

Early Registration Transfer (ERX)

Ginny Listman, Director of Engineering

<http://www.arin.net/registration/erx/>

Introduction

- ERX: Early Registrations Transfer
 - AS Numbers and IP Addresses registered prior to RIR existence
 - Maintained by ARIN
 - Many entities have resources in ARIN and local RIR databases
- Issues:
 - Entities must know two sets of procedures
 - Often entities in different time zones

Goals

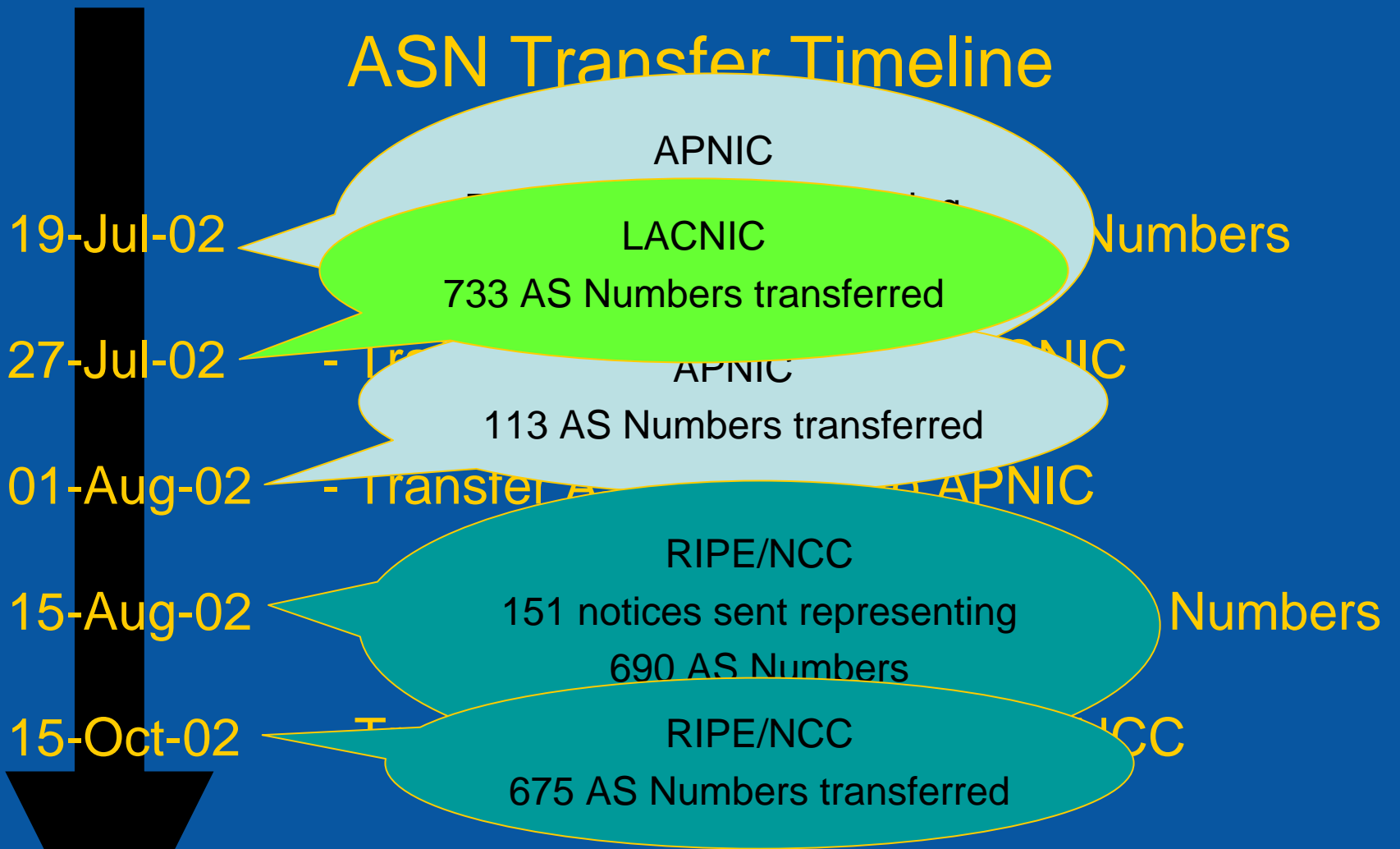
- Establish a One Holder – One RIR Relationship
- Simplify Maintenance of Resources
- Simplify Reverse Delegation Maintenance
- Provide Public Notification and Information



Project Phases

- Phase I: Transfer of AS Number registrations
 - Relatively simple
 - To gain experience
 - Transfer all AS Numbers at the same time per RIR
- Phase II: Transfer of IPv4 Address registrations
 - More complex cases of conflicting data
 - Includes DNS issues
 - Transfer one /8 at a time

ASN Transfer Timeline



IPv4 ERX: What's Different?

- More Data to Transfer
 - 3.37 /8s to APNIC, 1471 registrations
 - 0.58 /8s to LACNIC, 218 registrations
 - 10.92 /8s to RIPE/NCC, 4631 registrations
- More Complex Conflicts
 - Longer resolution time period required
- Transfer of DNS Reverse Delegations

IPv4 Plans

- Transfer a few /16s to test DNS reverse delegation
- Process one /8 at a time
 - Resolve conflicts
 - Transfer data
 - Transfer reverse delegation
- Work with each RIR individually

Questions?