CIDR Survey Summary Report

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1. How many ASs responded the CIDR Survey ?

58 ASs responded between Sept-Oct ’94

2. Summary Stats

	# of ASs	BGP4	Proxy-for others	Proxy by-others
	======	====	=======	======
Transit AS:	23	21	7	1
M-stub:	22	18	2	2
Stub:	13	4	0	5
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	58	43	9	8

3. Aggregation

BGP4, not aggregating: 4 ASs
No BGP4, not aggregating: 5 ASs

4. Aggregation with holes: 18 ASs

5. ASs not withdrawn specifics yet: 10 ASs

6. Policies in place:
o 3 ASs mentioned that they asked new customer to renumber to providers cidr block

o 2 AS mentioned that they have policy of mandating customers to run BGP4. If not possible, they do proxy aggregation for them.

7. Issues preventing CIDRing

a. People do not treat routing table explosionas their own problem

b. Most ASs need hardware upgrade to run BGP4, too expensive

c. Lack of help/instruction of how to do CIDR

d. Lack of human resource to convert to CIDR

e. CIDRization breaks MED, need new software features

f. Need more type of routers to support BGP4

g. CIDR capable software distribution lags in foreign countries

h. Artifical policies prevent aggregation, not just AUPs

8. Suggestions received

a. Provide more instructions for connected ASs to run CIDR, e.g. sample configurations ...

b. ISPs should strongly recommend ASs connecting to it use BGP4 and help them to realize it

c. Develop tools which reads cisco BGP routing table and produces routes to be aggregated

d. Make people aware of the crisis and realize it will be their own problem

e. Provide free hardware upgrade for AS to use new software to support CIDR

f. Use public shame to the non-cidr providers

g. ISPs convince customer renumber into providers cidr block

h. Make renumbering easier