















## Impact of OSPF/BGP Interaction (June 2003)

· High variability according to location and day

Impact on external BGP measurements and customers

| location     | % updates |       | days > 10% of      |
|--------------|-----------|-------|--------------------|
|              | min       | max   | hot-potato changes |
| rich peering | 0%        | 5.3%  | 0                  |
| no peering   | 0%        | 46.5% | 5                  |

## • One LSA can have a big impact

|   | location     | LSAs with no impact | prefixes impacted by an LSA |  |  |
|---|--------------|---------------------|-----------------------------|--|--|
|   | rich peering | 95.1%               | less than 1%                |  |  |
|   | no peering   | 94.8%               | 59%                         |  |  |
| 3 |              |                     |                             |  |  |

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