Figure 24-a. The Registry infrastructure.

Overview of Registry Infrastructure:

- DNS Distributor Servers
- Database Replication
- Report Replication
- Offsite Backup Copy
- Secure VPN Link
- DNS Nodes around the world (Via Redundant Carriers)
- INTERNET
- Firewall Protected Application Layer
- Firewall Protected Database Layer
- Primary Data Center
  - Includes redundant power, environmental and failover controls
  - Redundant Firewalls
  - Redundant Traffic Shapers
  - Redundant Load Balancers
  - Ops Management Servers
  - NOC Management Servers
  - Application Server Cluster (EPP, Web, WHOIS, WAT, Report)
  - Redundant High Performance Storage Systems
  - Escrow Provider

Secondary Data Center

- Firewall Protected Application Layer
- Firewall Protected Database Layer
- Application Server Cluster (EPP, Web, WHOIS, WAT, Report)
- Redundant Firewalls
- Redundant Traffic Shapers
- Redundant Load Balancers
- Ops Management Servers
- NOC Management Servers
- Escrow Provider

Includes redundant power, environmental and failover controls

Includes redundant power, environmental and failover controls
# SRS/EPP Performance Metrics

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification 10</th>
<th>Commitment</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPP Service Availability</td>
<td>≤ 864 min of downtime (~98%)</td>
<td>Consistently meet or exceed</td>
</tr>
<tr>
<td>EPP Session-command RTT</td>
<td>≤ 4000 ms, for at least 90% of the commands</td>
<td>Consistently meet or exceed</td>
</tr>
<tr>
<td>EPP query-command RTT</td>
<td>≤ 2000 ms, for at least 90% of the commands</td>
<td>Consistently meet or exceed</td>
</tr>
<tr>
<td>EPP transform-command RTT</td>
<td>≤ 4000 ms, for at least 90% of the commands</td>
<td>Consistently meet or exceed</td>
</tr>
<tr>
<td>Emergency thresholds</td>
<td>24-hour downtime per week</td>
<td>Consistently meet or exceed</td>
</tr>
</tbody>
</table>