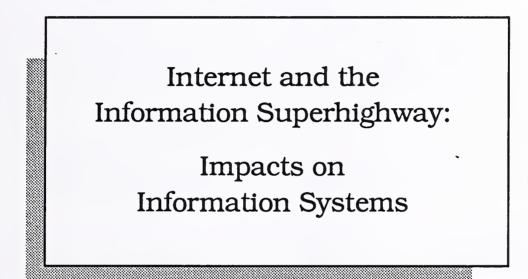
Internet and the Information Superhighway:

Impacts on Information Systems







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#### Internet and the Information Superhighway— Impacts on Information Systems

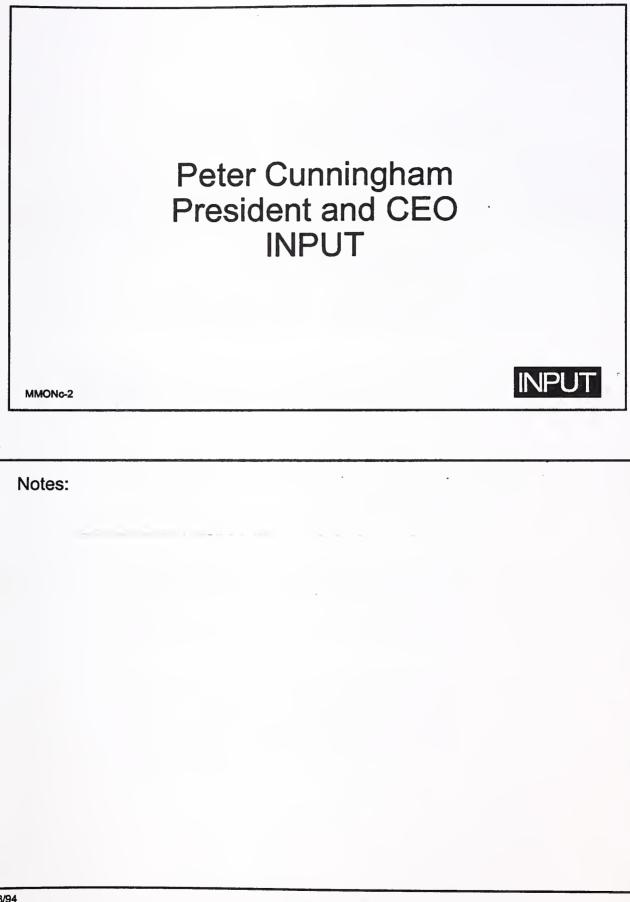
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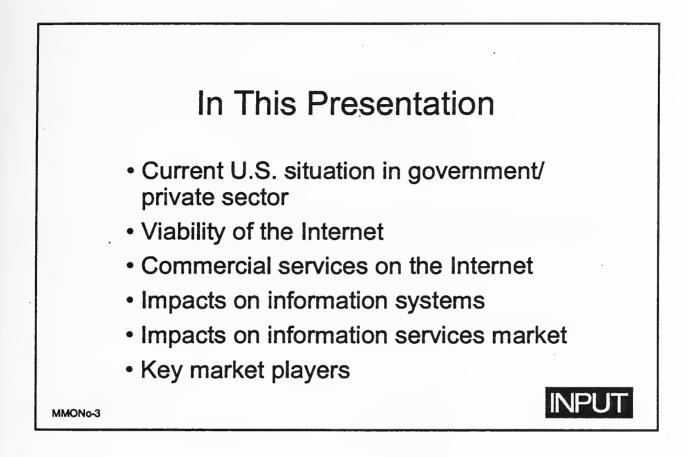
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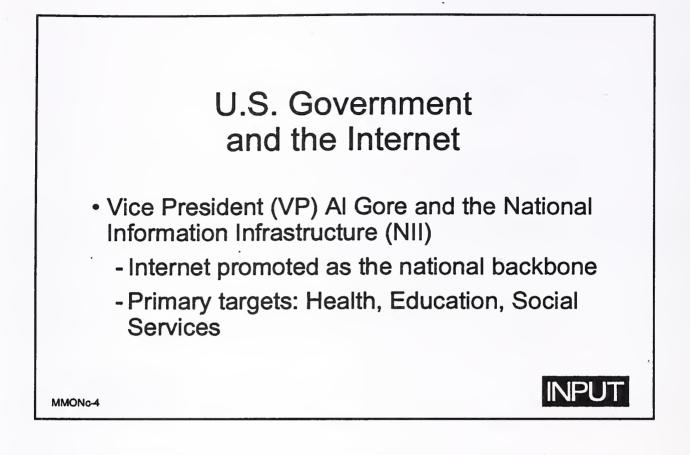
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Internet and the Information Superhighway
Impacts on Information Systems
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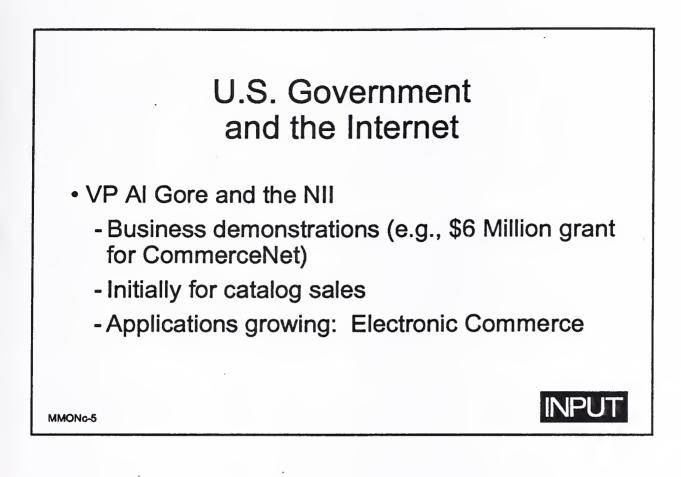




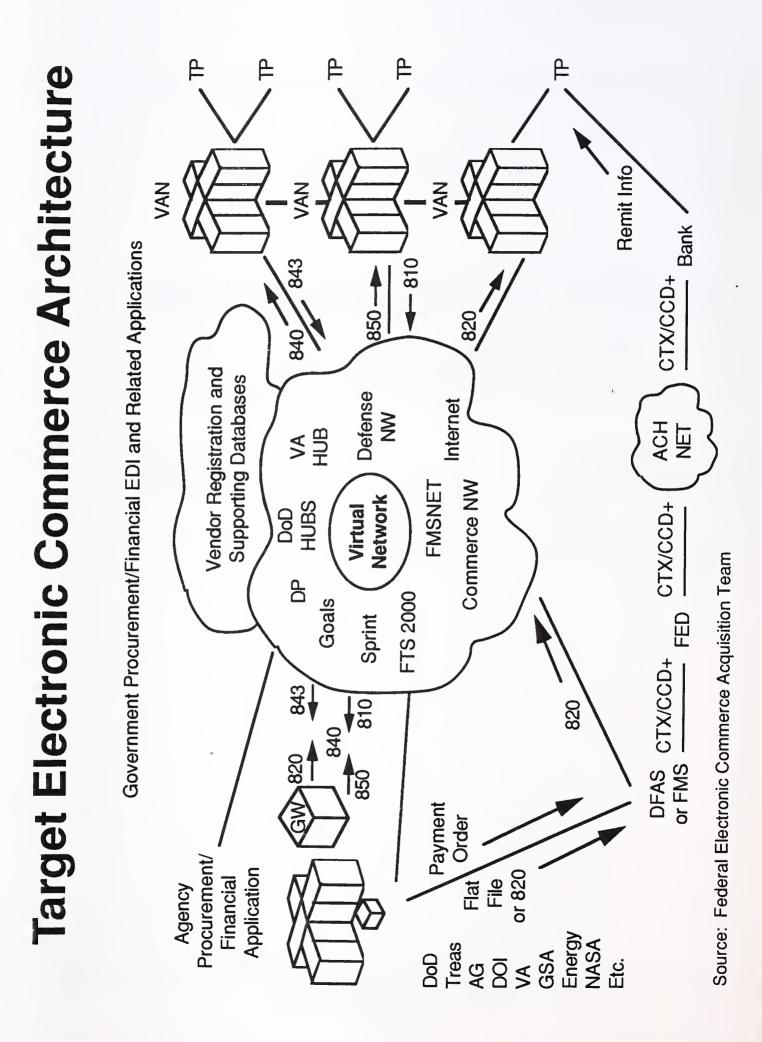
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U.S. Government
NPR IT accompanying report. Three major parts:
<ol> <li>Strengthen leadership in information technology</li> </ol>
II. Implement "Electronic Government"
III. Establish support mechanisms for the "Electronic Government"
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Part I: Strengthen Leadership in Information Technology
Provide clear, strong leadership to integrate information technology into the business of government
<ul> <li>Government information technology services working group</li> </ul>
"Empowered" interagency teams
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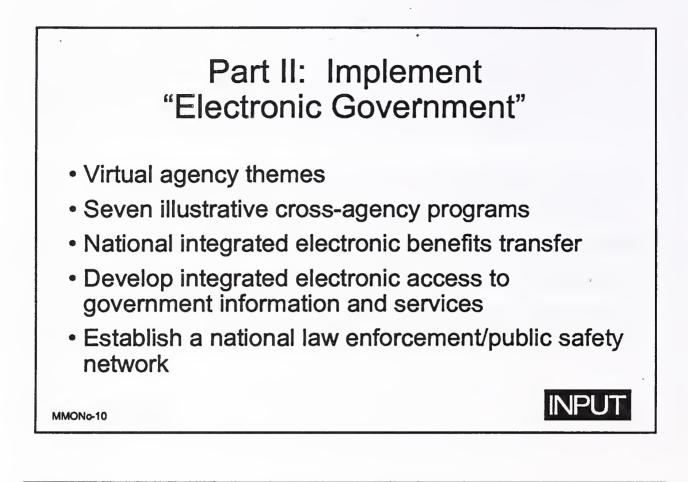
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Part II: Implement "Electronic Government"
<ul> <li>Provide intergovernmental tax filing, reporting and payments processing</li> <li>Establish an international trade data system</li> <li>Create a national environmental data index</li> <li>Plan, demonstrate and provide government-wide electronic mail</li> </ul>
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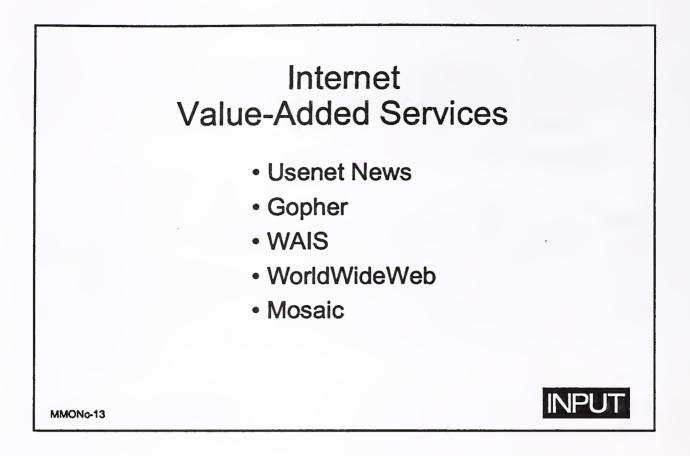
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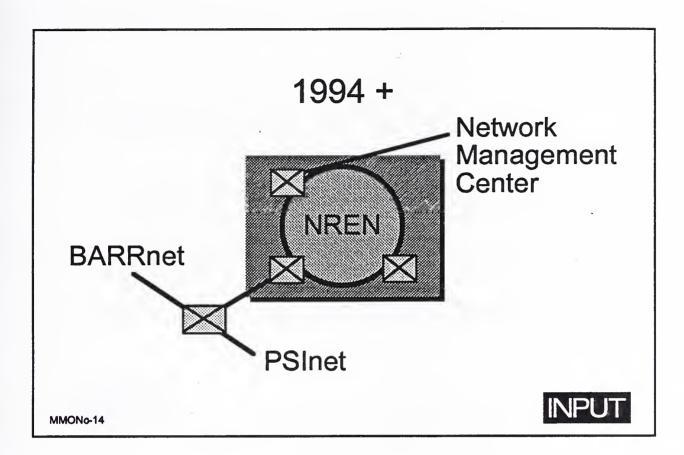


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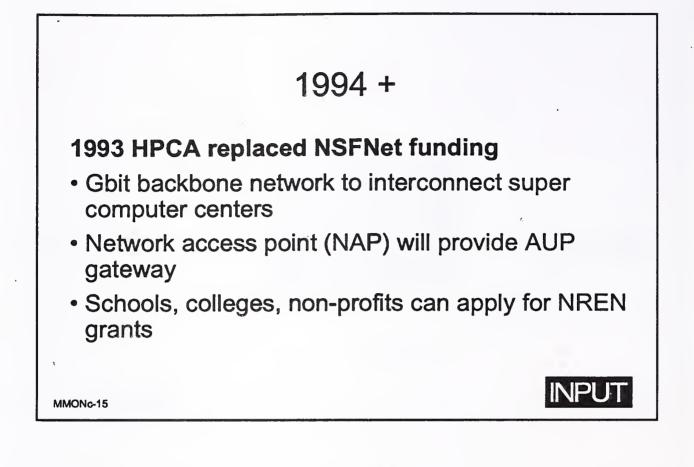
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	Part III: Establish Support Mechanisms for the "Electronic Government"
	Establish an information infrastructure
	<ul><li>GITS (NII, GII and gsii)</li><li>Share "IT" resources</li></ul>
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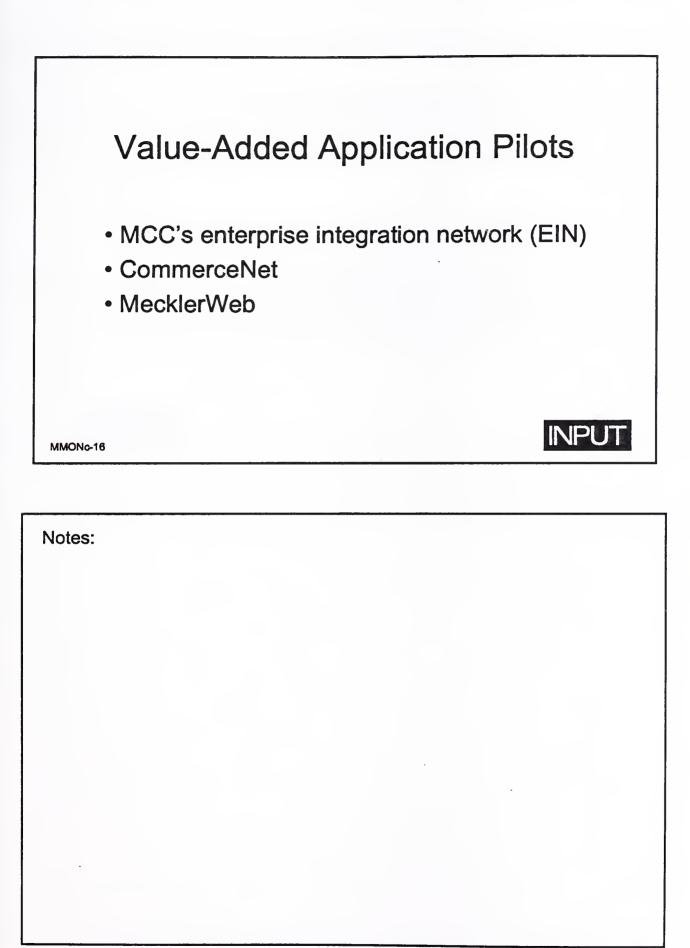
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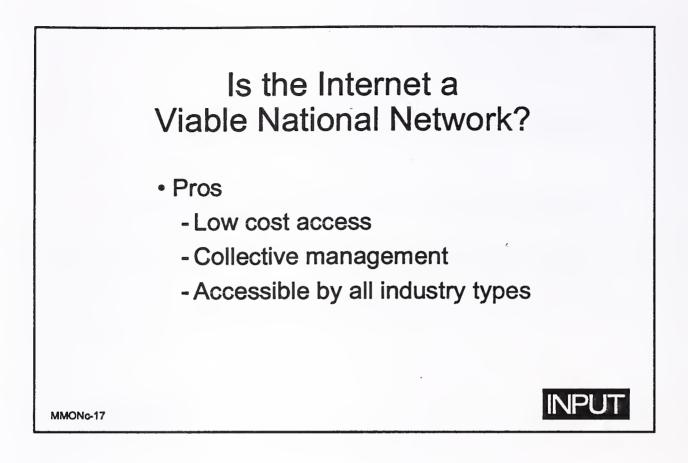


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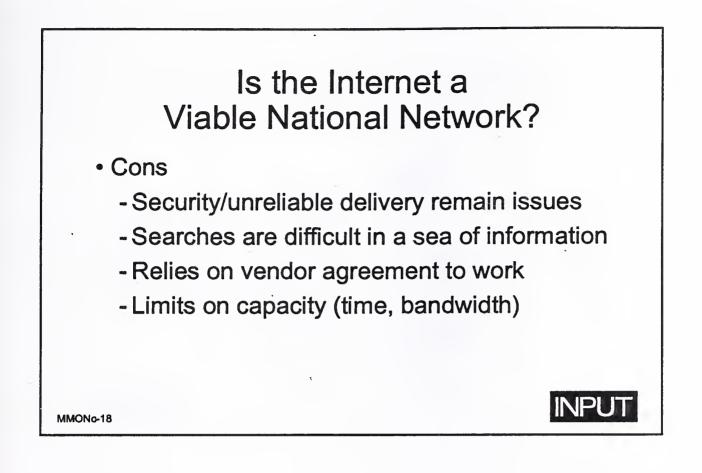


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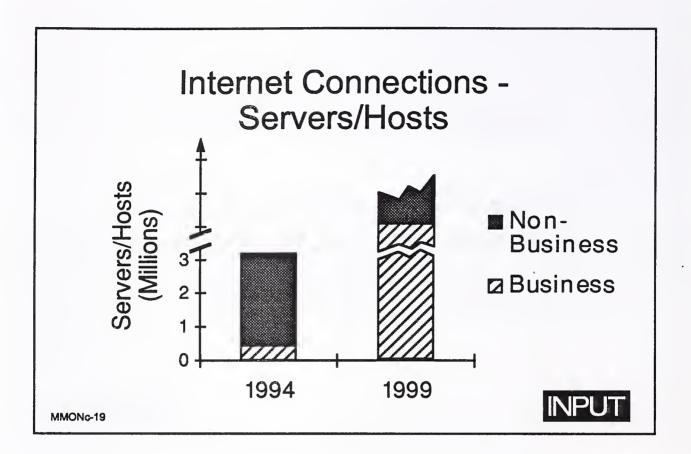


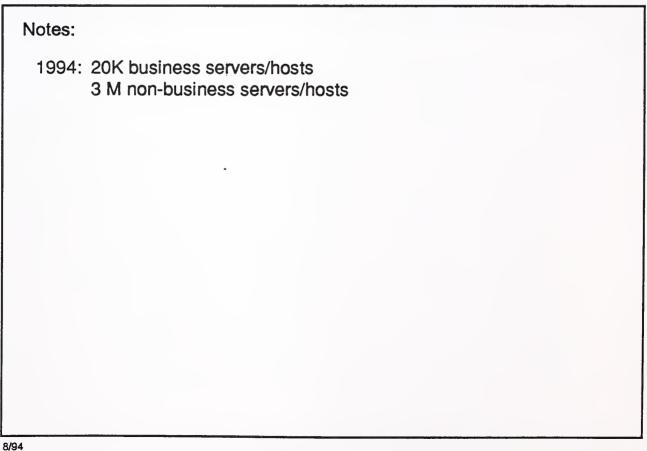


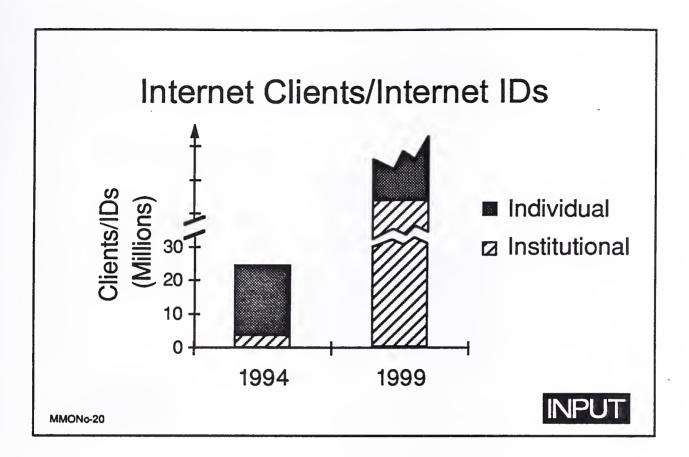
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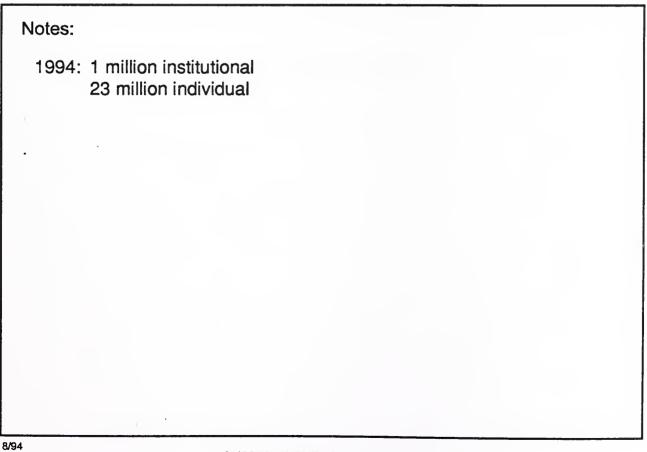


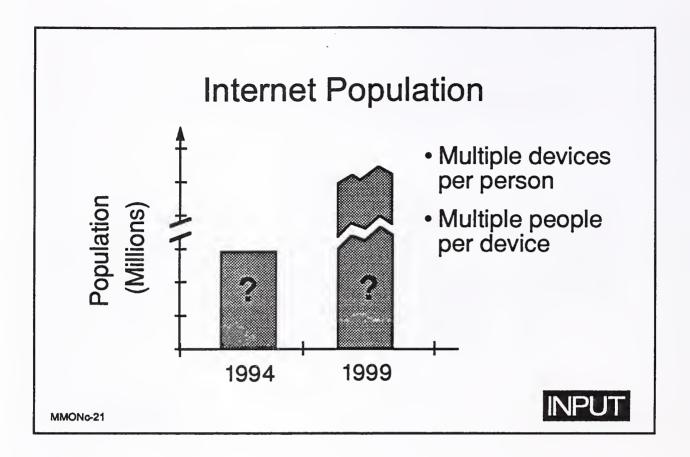
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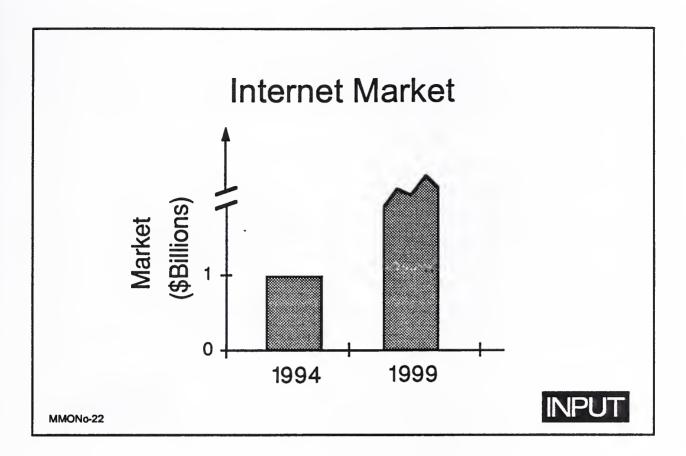




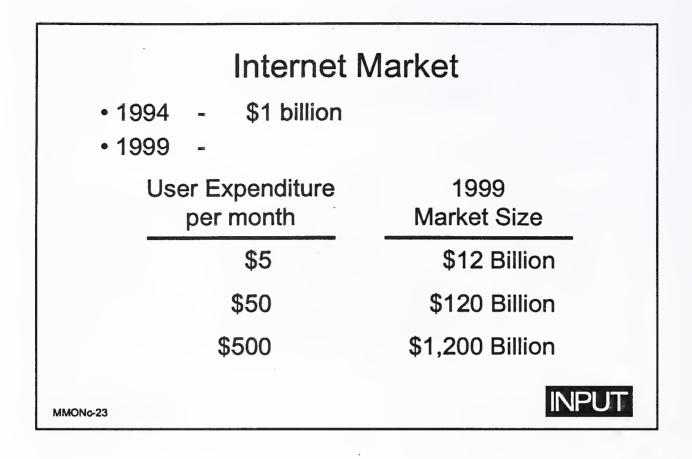




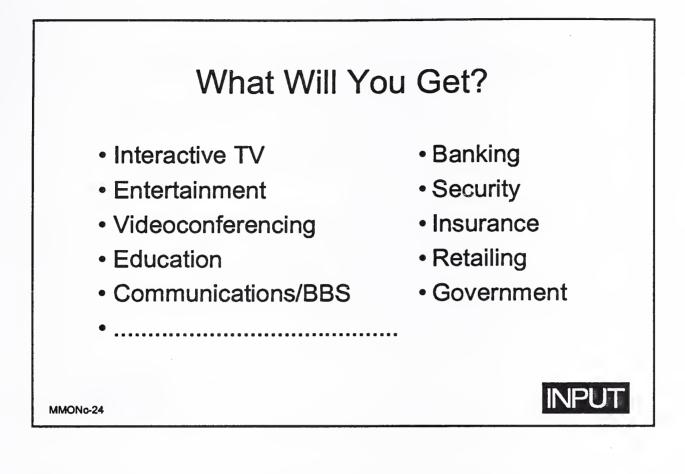




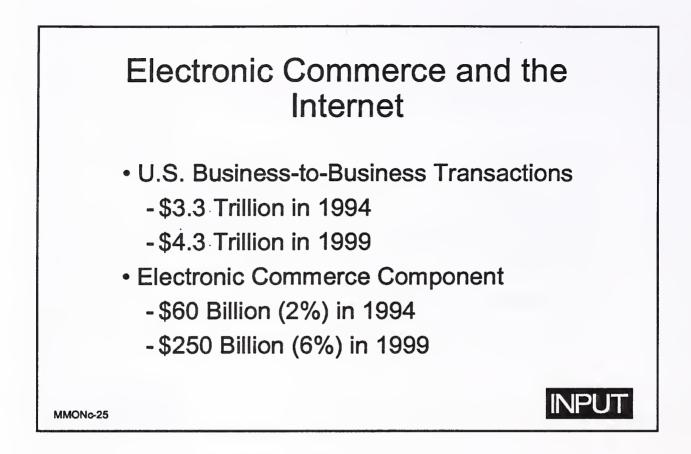
1994 user expenditures approximately \$1 billion.



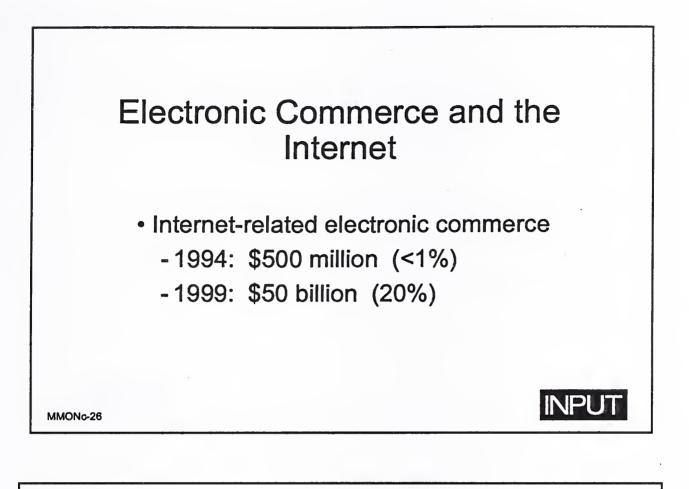
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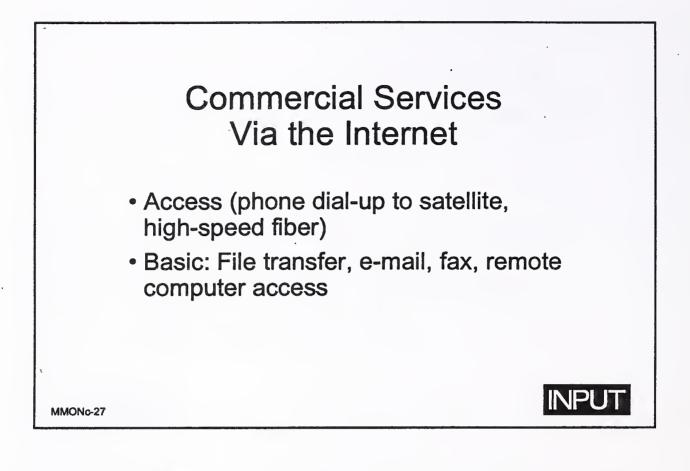


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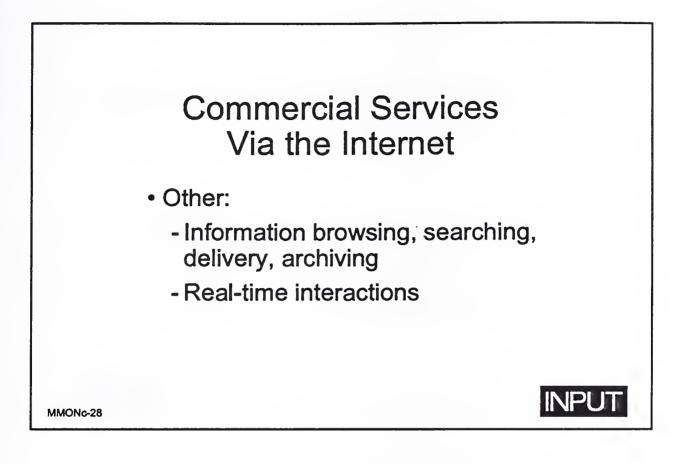


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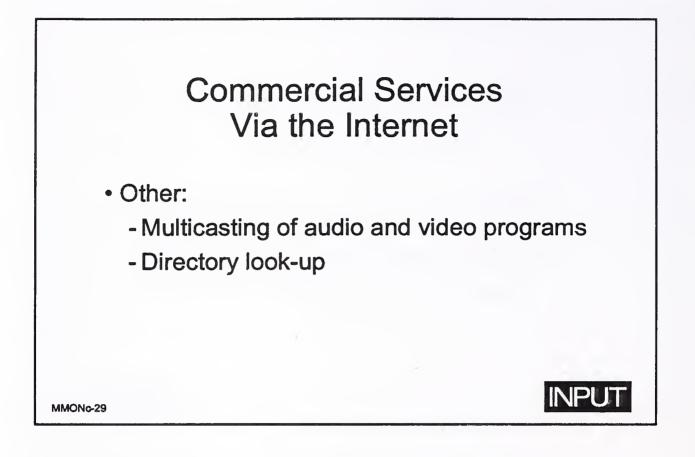


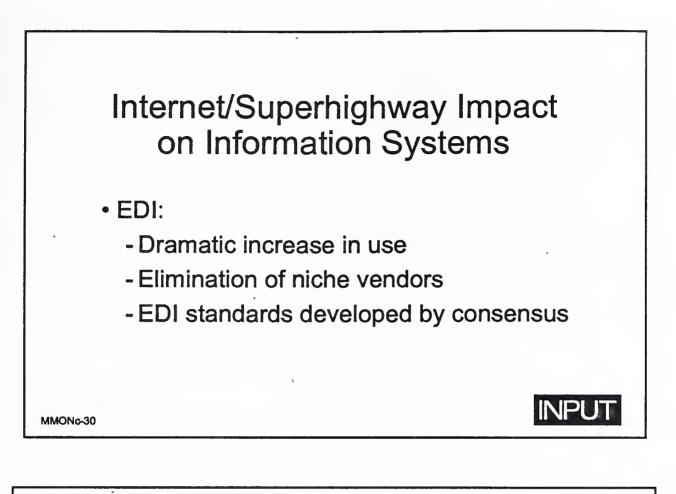


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# Internet/Superhighway Impact on Information Systems

• CALS

- Internet "environment" is a major enabler

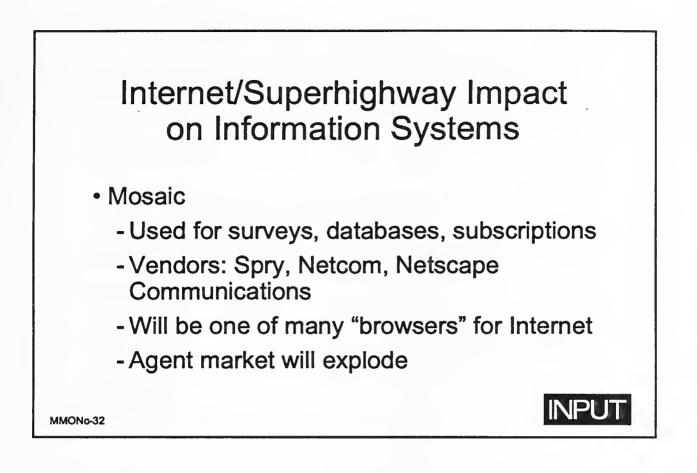
- High perceived potential
  - · New uses for CALS (e.g., health area)
  - · Standards work continues; improved access

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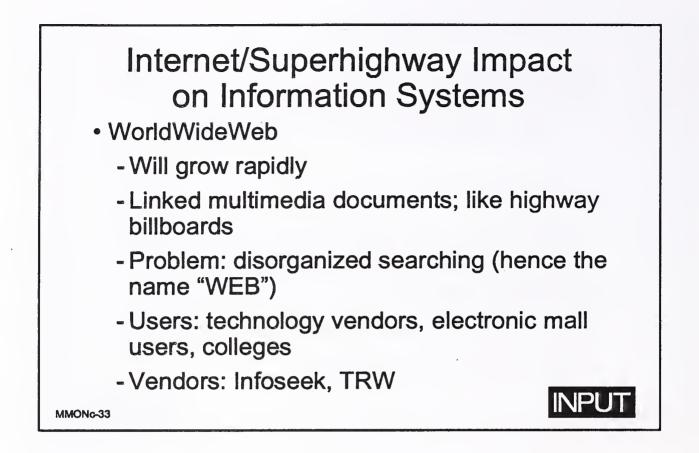
· CSC major U.S. commercial contract

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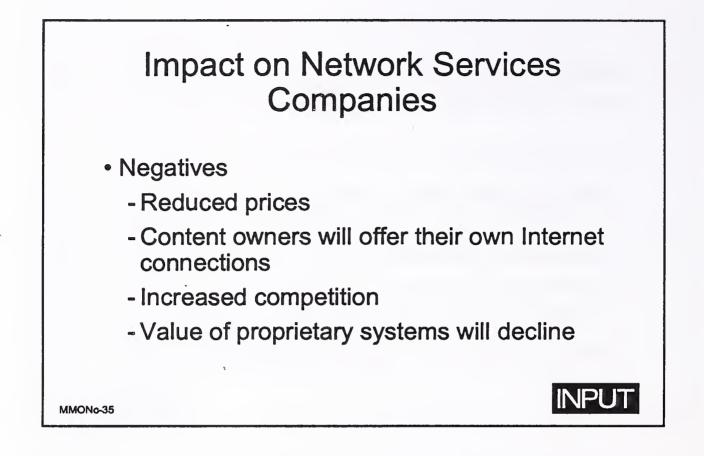
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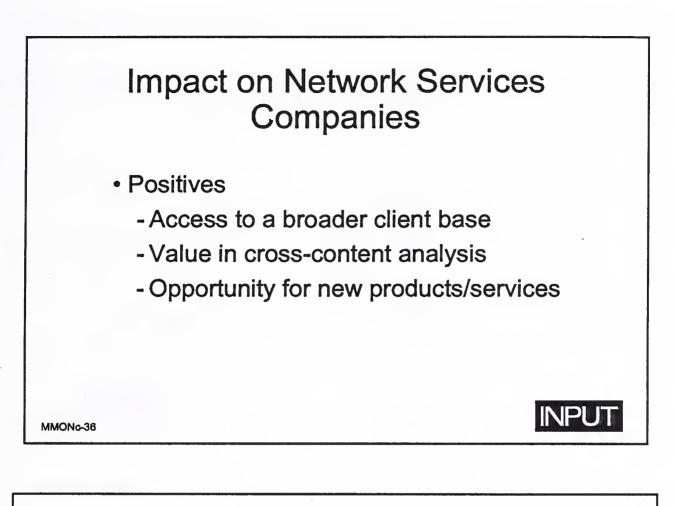
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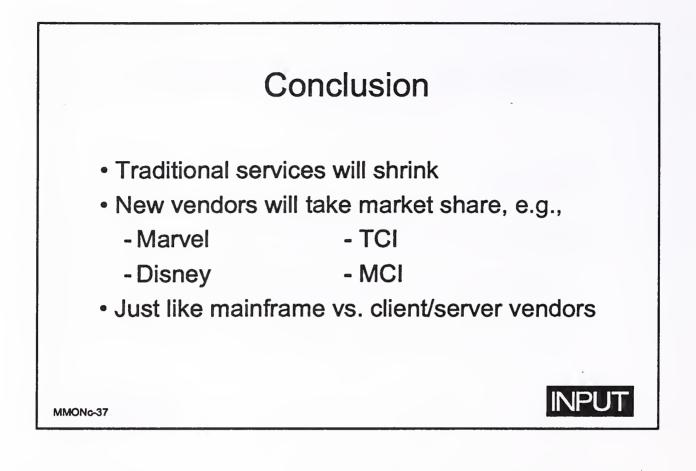
resolved
<ul> <li>Market will leap when standards/security issues</li> </ul>
<ul> <li>Security and encryption improves steadily</li> </ul>
<ul> <li>Backbone upgrades are ongoing</li> </ul>
<ul> <li>Standards activity increases</li> </ul>
<ul> <li>Vendors responding to customer requests for access/integration with Internet</li> </ul>
<ul> <li>Dramatic behavioral impact on corporate IS</li> </ul>
Internet/Superhighway Impact on the Information Systems Industry

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# Internet/Superhighway Impact on Software Providers

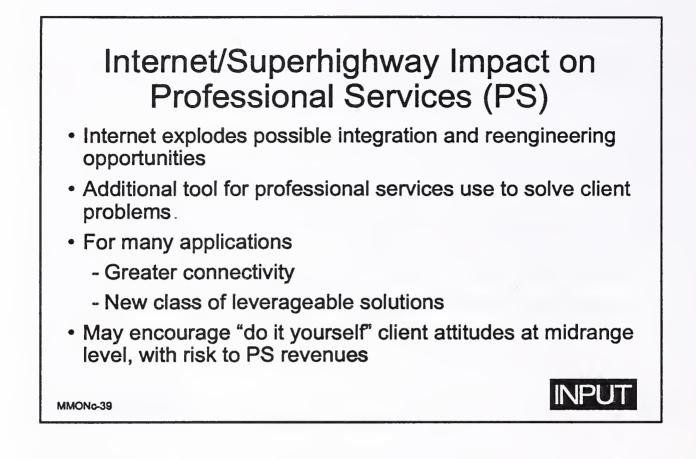
- · Each new Internet user is a target
- Bulk of commercial users will stay on commercial networks (VANs)

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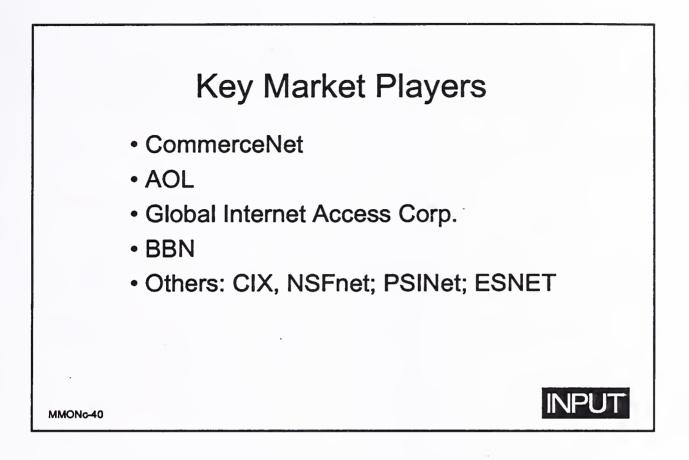
- · Current management and history make evolution into a corporate network option unlikely:
  - Businesses prefer virtual private network
  - Federal government won't use for EC
  - Managed "by committee"
  - Low security/reliability

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