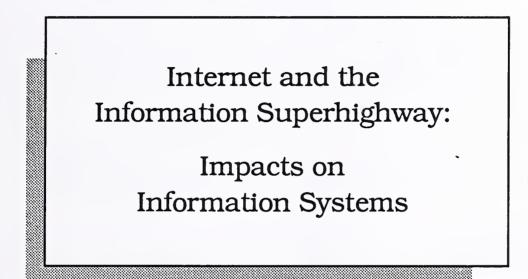
Internet and the Information Superhighway:

Impacts on Information Systems







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Internet and the Information Superhighway— Impacts on Information Systems

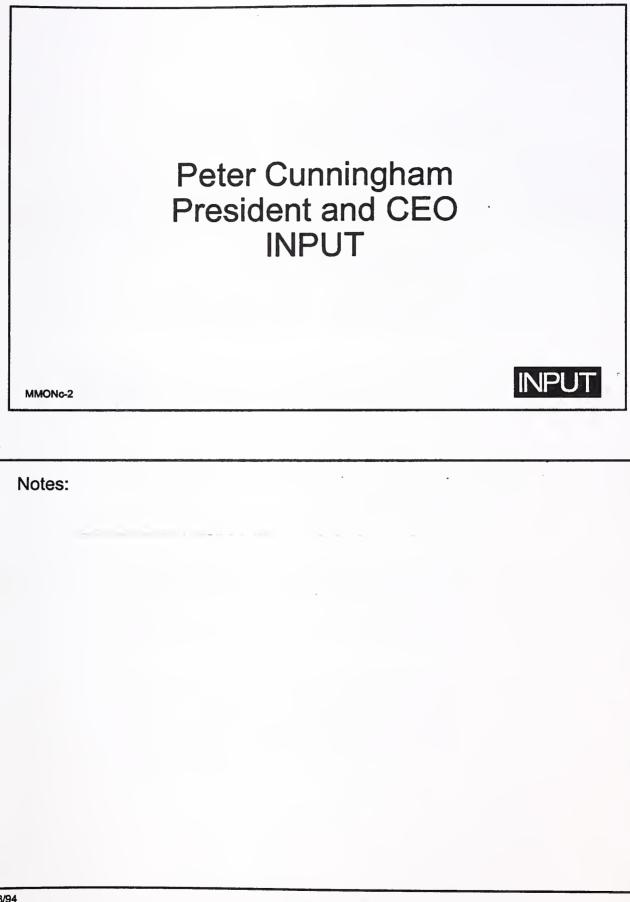
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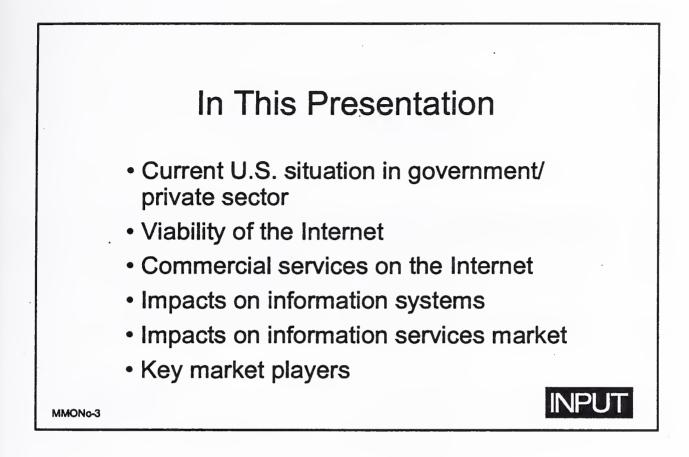
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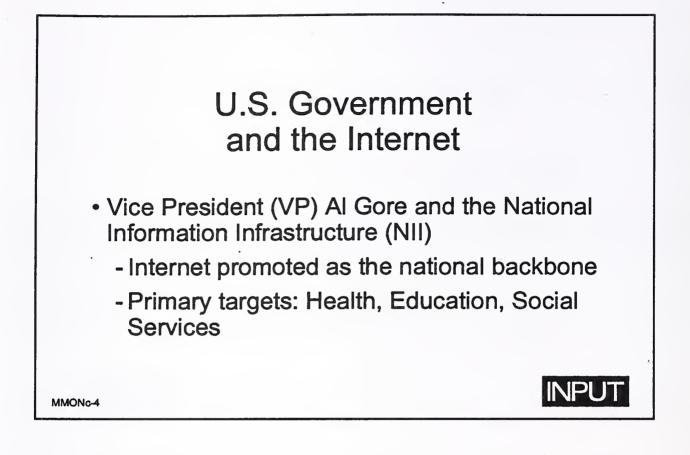
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Internet and the Information Superhighway
Impacts on Information Systems
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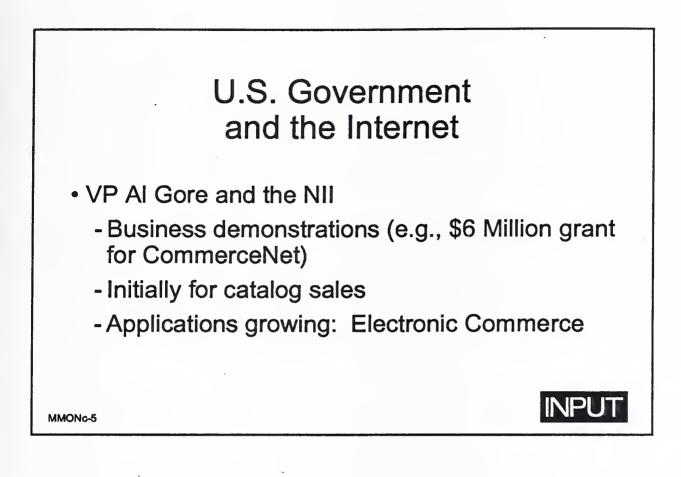




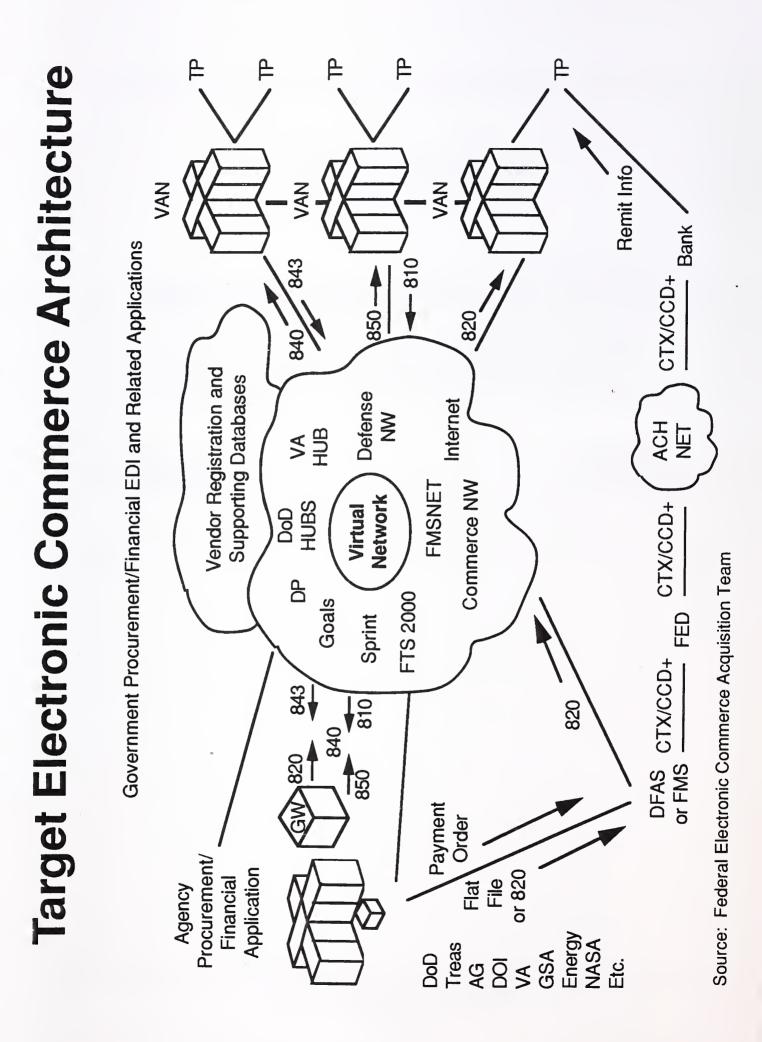
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U.S. Government
NPR IT accompanying report. Three major parts:
 Strengthen leadership in information technology
II. Implement "Electronic Government"
III. Establish support mechanisms for the "Electronic Government"
MMONG-7

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Part I: Strengthen Leadership in Information Technology
Provide clear, strong leadership to integrate information technology into the business of government
 Government information technology services working group
"Empowered" interagency teams
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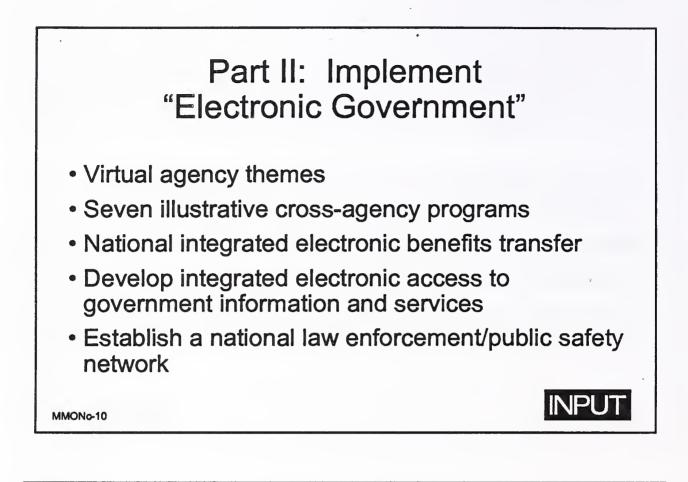
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Part II: Implement "Electronic Government"
 Provide intergovernmental tax filing, reporting and payments processing Establish an international trade data system Create a national environmental data index Plan, demonstrate and provide government-wide electronic mail
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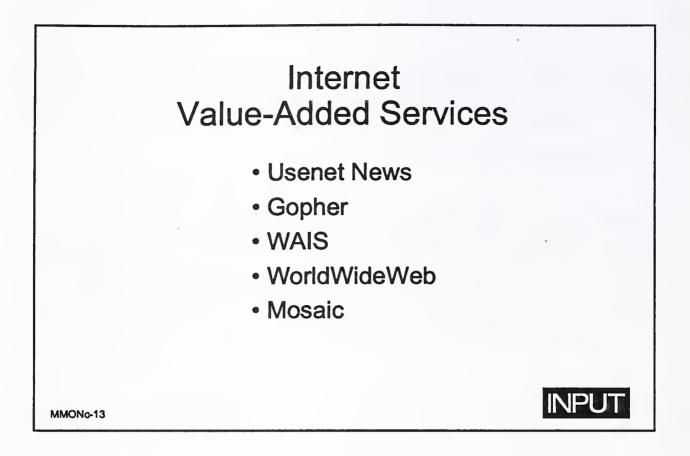
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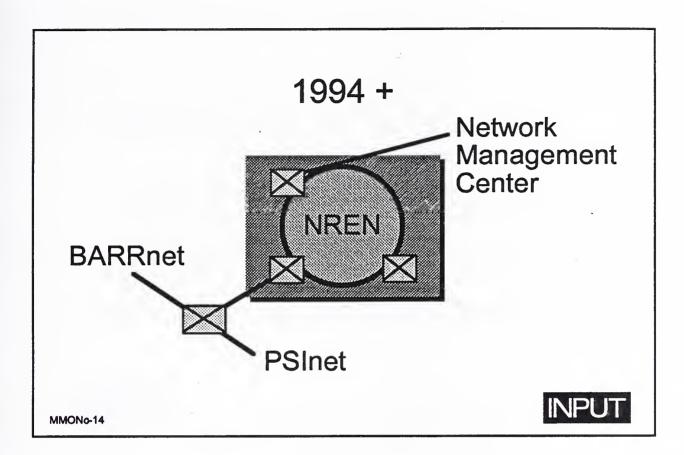


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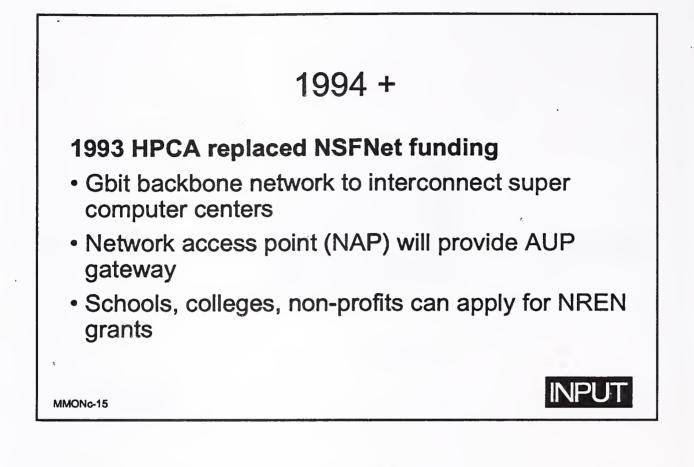
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	Part III: Establish Support Mechanisms for the "Electronic Government"
	Establish an information infrastructure
	GITS (NII, GII and gsii)Share "IT" resources
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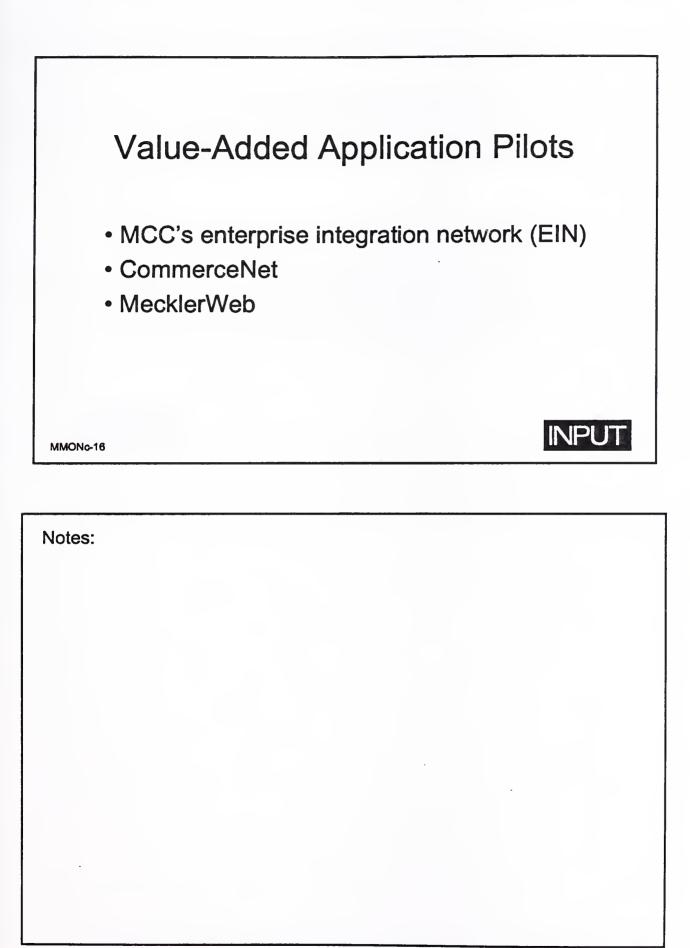
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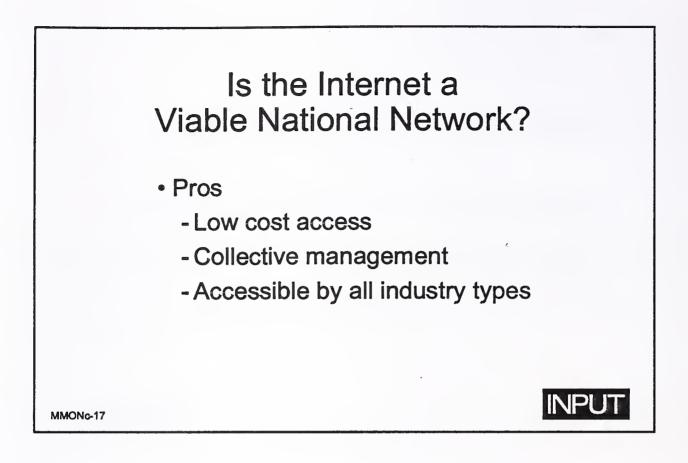


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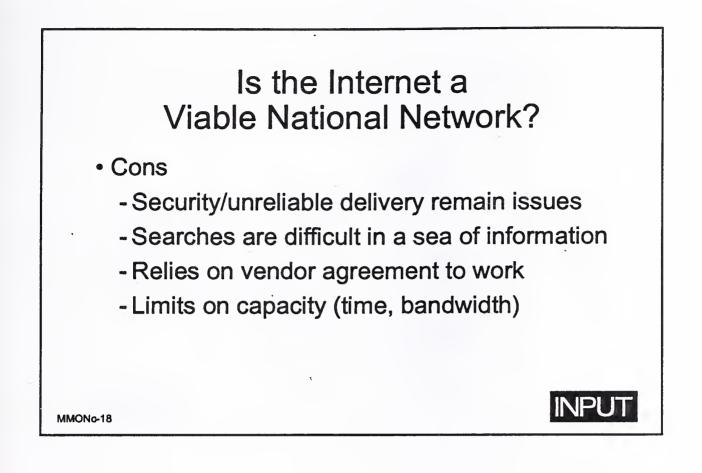


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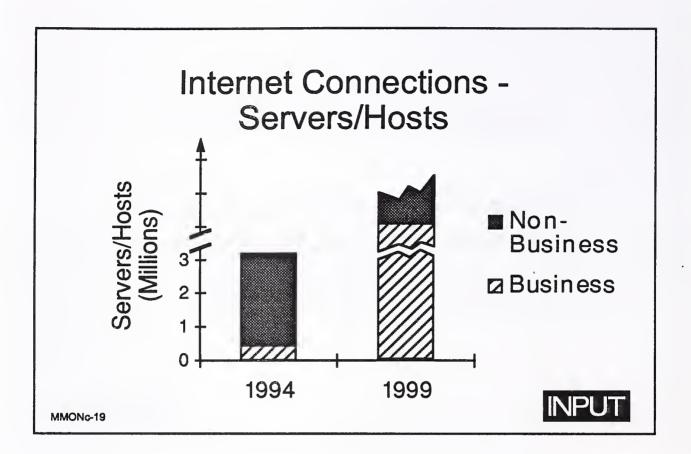


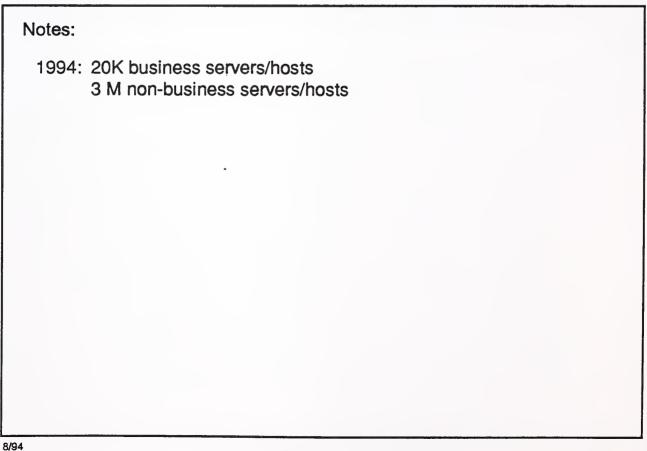


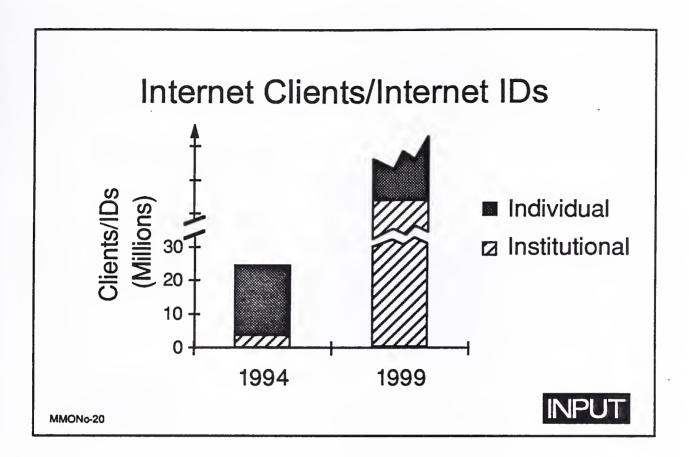
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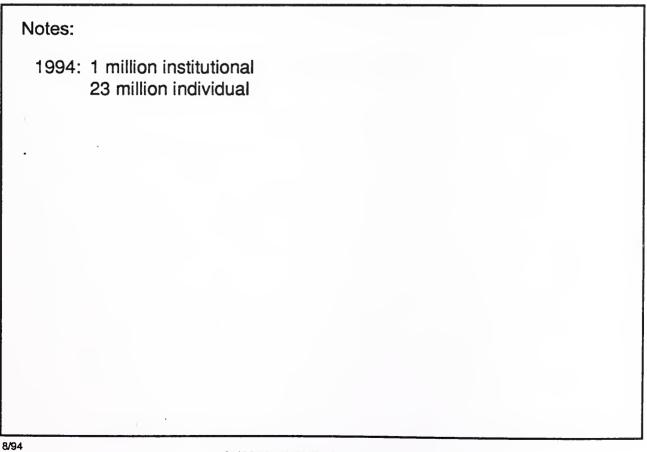


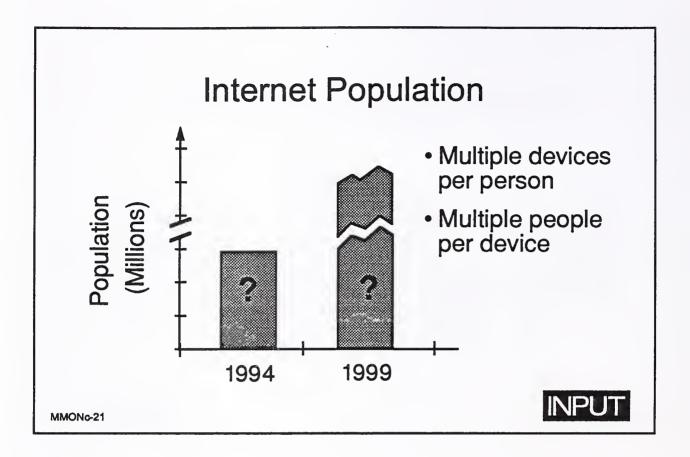
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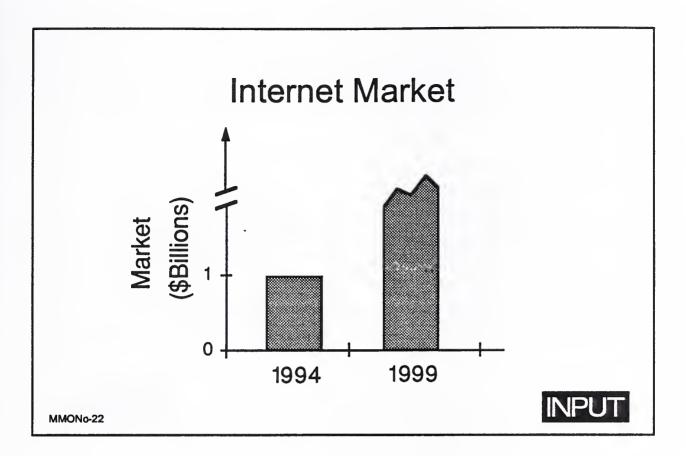




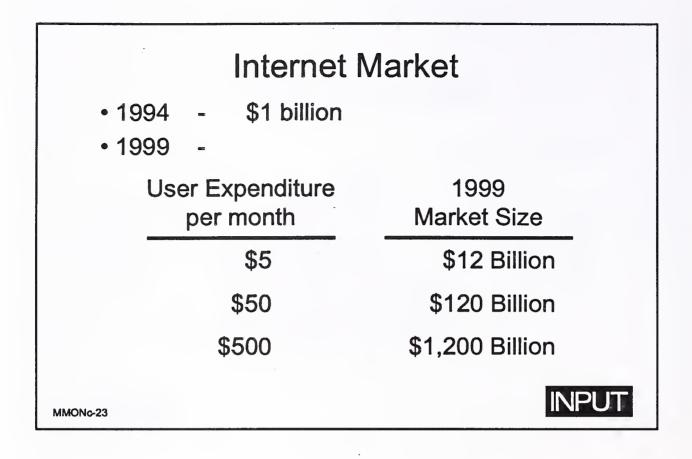




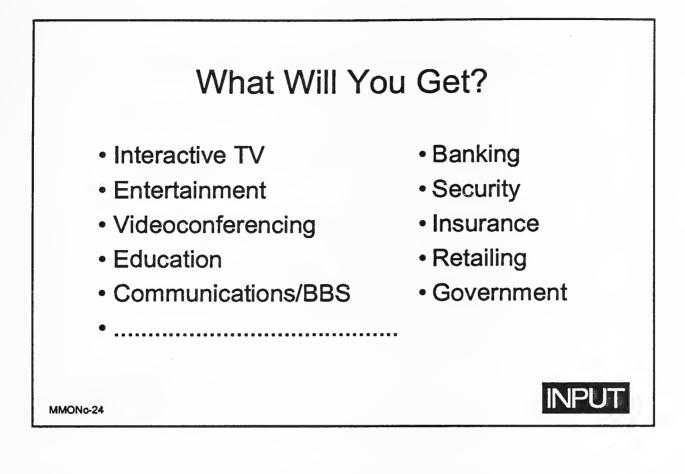




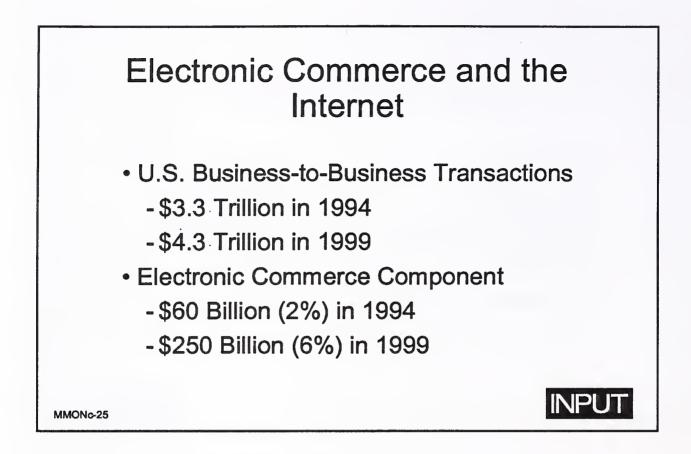
1994 user expenditures approximately \$1 billion.



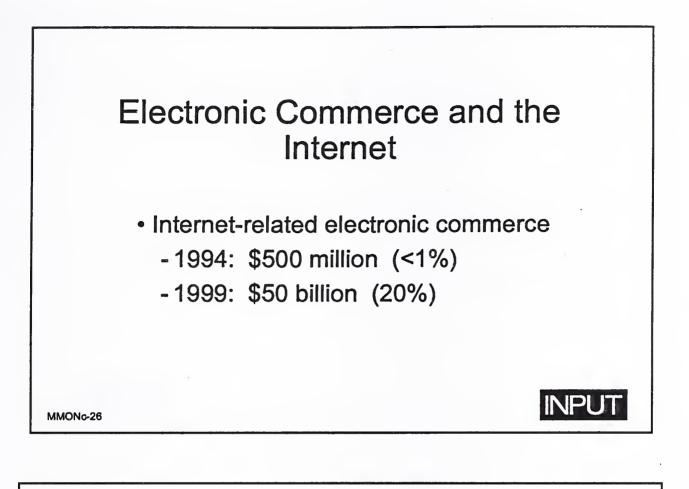
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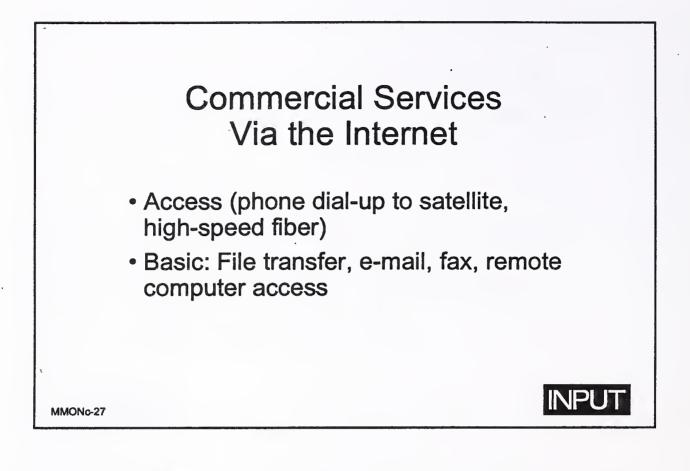


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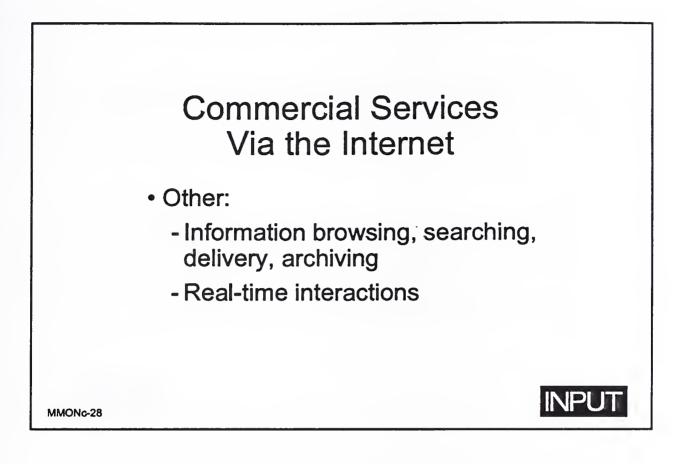


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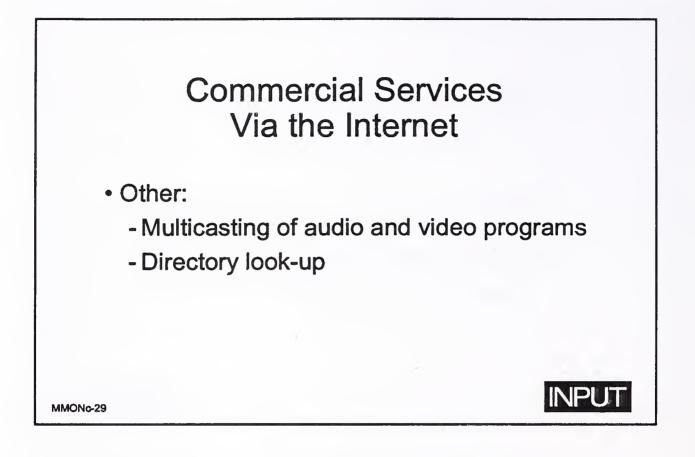


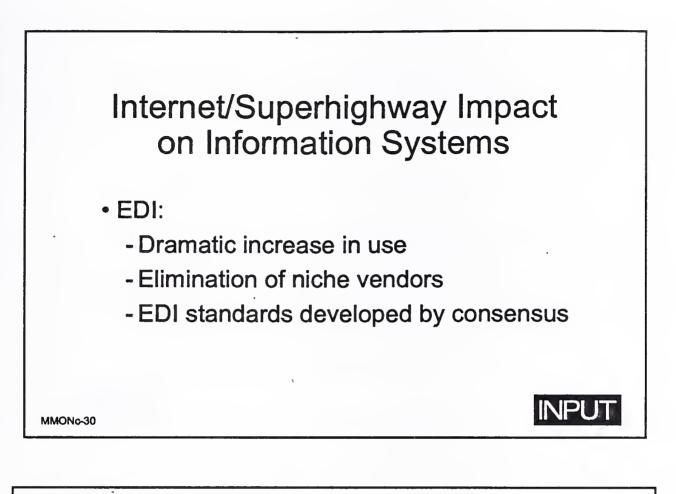


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Internet/Superhighway Impact on Information Systems

• CALS

- Internet "environment" is a major enabler

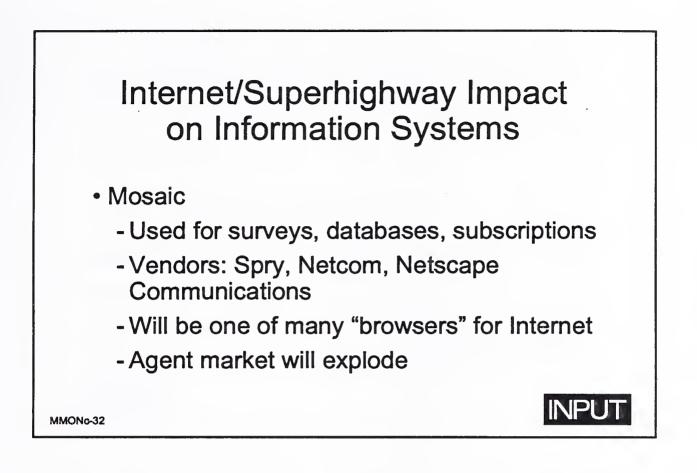
- High perceived potential
 - · New uses for CALS (e.g., health area)
 - · Standards work continues; improved access

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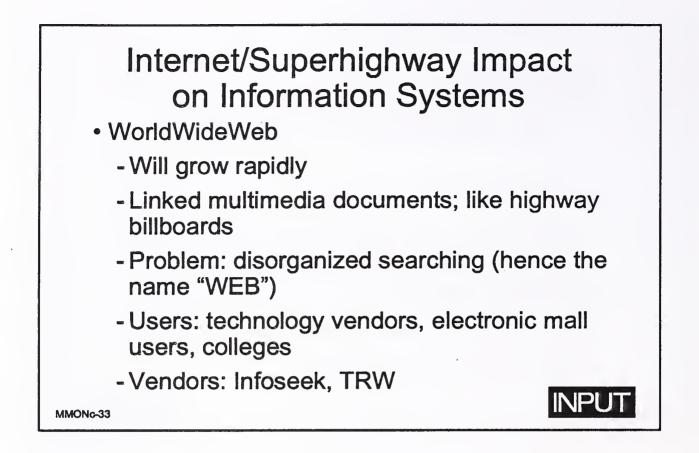
· CSC major U.S. commercial contract

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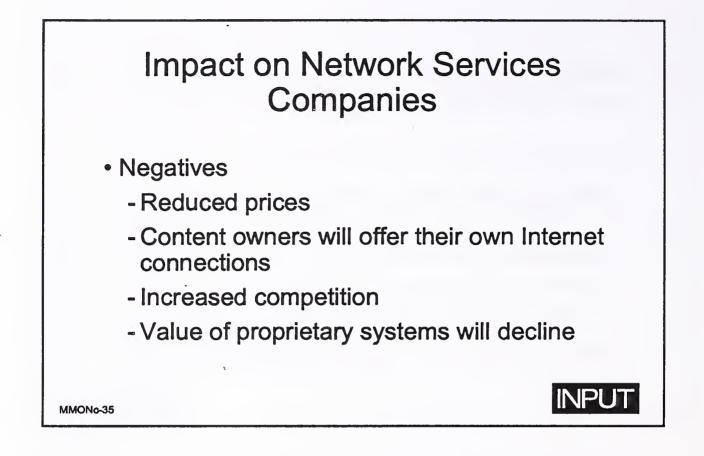
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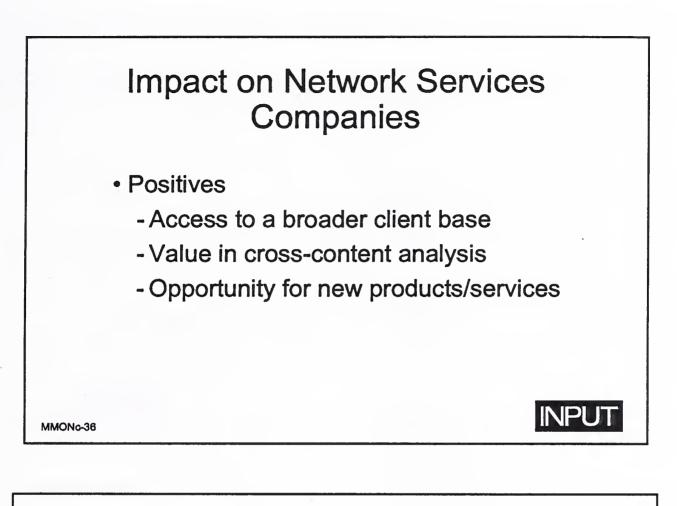
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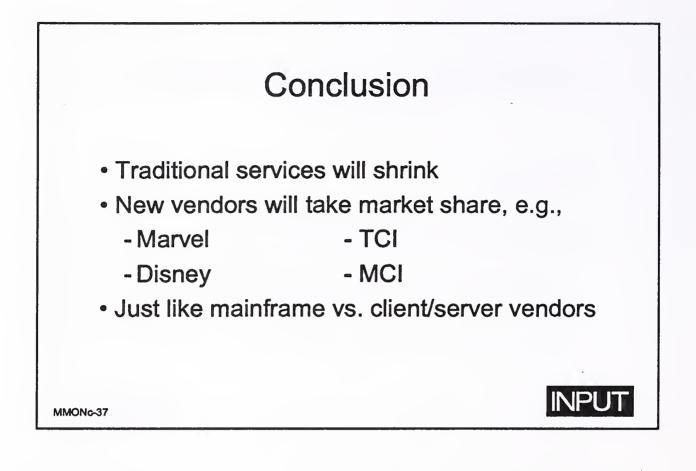
resolved
 Market will leap when standards/security issues
 Security and encryption improves steadily
 Backbone upgrades are ongoing
 Standards activity increases
 Vendors responding to customer requests for access/integration with Internet
 Dramatic behavioral impact on corporate IS
Internet/Superhighway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

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Internet/Superhighway Impact on Software Providers

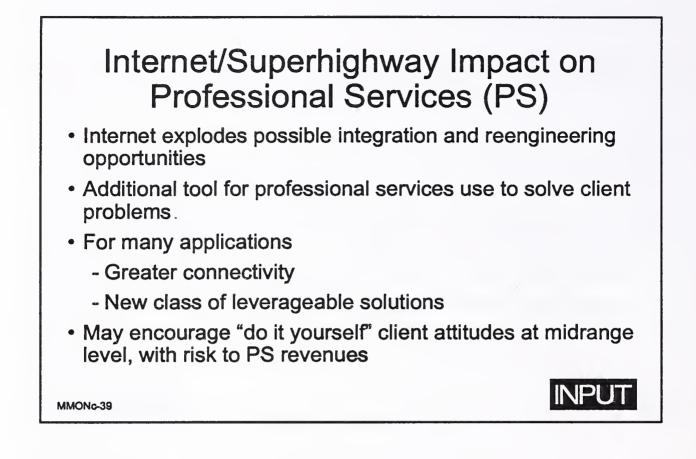
- · Each new Internet user is a target
- Bulk of commercial users will stay on commercial networks (VANs)

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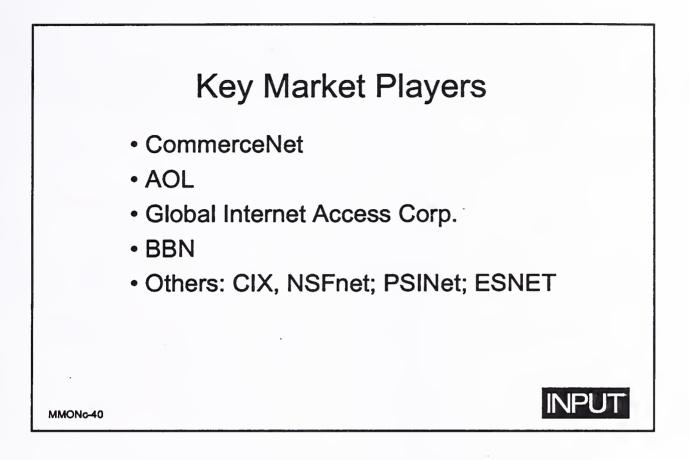
- · Current management and history make evolution into a corporate network option unlikely:
 - Businesses prefer virtual private network
 - Federal government won't use for EC
 - Managed "by committee"
 - Low security/reliability

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New York 400 Frank W. Burr Blvd. Teaneck, NJ 07666 U.S.A. Tel. 1 (201) 801-0050 Fax 1 (201) 801-0441

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