

GENERAL ASSEMBLY OF NORTH CAROLINA

SESSION 1993

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SENATE BILL 411

Short Title: GPAC/Telecommunications Reorganization.

(Public)

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Sponsors: Senator Martin of Guilford.

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Referred to: Government Performance Audit.

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February 25, 1993

A BILL TO BE ENTITLED

AN ACT TO IMPLEMENT RECOMMENDATIONS OF THE GOVERNMENT  
PERFORMANCE AUDIT COMMITTEE CONCERNING STATE  
GOVERNMENT TELECOMMUNICATIONS GOVERNANCE,  
MANAGEMENT, AND OPERATIONS.

The General Assembly of North Carolina enacts:

Section 1. The Information Resource Management Commission (hereafter referred to as "IRMC" ) shall prepare and adopt, not later than December 31, 1993, written guidelines that specify those responsibilities that pertain to the operation of the State Telecommunication System (hereafter referred to as "STS" ) and those responsibilities that pertain to the operation of the State agency telecommunications functions.

Sec. 2. The State Information Processing Services (hereafter referred to as "SIPS" ) shall prepare a plan for the delivery of telecommunications services to State agencies and include in the plan techniques for ensuring that State agency user needs are given priority over the interests of telecommunications equipment and service vendors. SIPS shall present the plan for delivery of telecommunications services to the IRMC not later than December 31, 1993.

Sec. 3. SIPS shall prepare a plan for implementing its "bandwidth on demand" concept and submit the plan to the IRMC not later than December 31, 1993.

Sec. 4. The IRMC shall prepare a plan for consolidating any multiple voice, video, and data networks within or across State agencies that it deems appropriate to consolidate. Upon adoption of the plan, the IRMC shall present the plan to the Joint Legislative Commission on Governmental Operations.

1           Sec. 5. SIPS shall evaluate and revise its telecommunications disaster  
2 recovery plan and coordinate that plan with the disaster recovery plan for the State  
3 computer center. SIPS shall present its revised telecommunications disaster recovery  
4 plan to the Information Resources Management Commission not later than December  
5 31, 1993.

6           Sec. 6. The IRMC and The University of North Carolina jointly shall prepare  
7 a written evaluation of the costs, benefits, and feasibility of consolidating the portions of  
8 the University of North Carolina Education Computing Service's (hereafter referred to  
9 as "UNCECS" ) wide area network that are currently owned by the UNCECS onto the  
10 STS's North Carolina Integrated Network (hereafter referred to as "NCIN" ) and the  
11 Microelectronics Center of North Carolina (hereafter referred to as "MCNC" )  
12 CONCERT data network. The IRMC and The University of North Carolina shall  
13 jointly present the written evaluation to the Joint Legislative Commission on  
14 Governmental Operations not later than December 31, 1993.

15           Sec. 7. The IRMC and the Administrative Office of the Courts jointly shall  
16 prepare a written evaluation of the costs, benefits, and feasibility of transferring  
17 ownership of the Administrative Office of the Courts' network back to the ownership  
18 and management of the State Telecommunications System. The evaluation shall  
19 include an independent study verifying that incremental operating costs (including  
20 incremental overhead costs) are lower under STS, and a service level agreement  
21 between STS and the Administrative Office of the Courts that meets the Administrative  
22 Office of the Courts' requirements for network service. The IRMC and the  
23 Administrative Office of the Courts jointly shall present the written evaluation to the  
24 Joint Legislative Commission on Governmental Operations not later than December 31,  
25 1993.

26           Sec. 8. The IRMC and the MCNC jointly shall prepare a written evaluation  
27 of the costs, benefits, and feasibility of moving ownership and management of the  
28 MCNC CONCERT data network, that can be efficiently managed and supported by the  
29 STS, over to the STS North Carolina Integrated Network. The IRMC and the MCNC  
30 jointly shall present the written evaluation to the Joint Legislative Commission on  
31 Governmental Operations not later than December 31, 1993.

32           Sec. 9. The IRMC and the Department of Justice jointly shall investigate the  
33 costs, benefits, and feasibility of transferring the Department of Justice's Police  
34 Information Network to the ownership or management of the STS North Carolina  
35 Integrated Network. This evaluation shall include investigation of the technical ability  
36 of maintaining network security for the Police Information Network, as required by  
37 federal government rules and regulations, on a shared physical communications  
38 network. The IRMC and the Department of Justice jointly shall present a written report  
39 on the results of the investigation to the Joint Legislative Commission on Governmental  
40 Operations not later than December 31, 1993.

41           Sec. 10. The IRMC, the Department of Administration Agency for Public  
42 Telecommunications, and the North Carolina Center for Public Television jointly shall  
43 develop a written plan and timetable to promote the sharing of facilities and  
44 telecommunications resources between the Agency for Public Telecommunications and

1 the North Carolina Center for Public Telecommunications. The IRMC, the Department  
2 of Administration Agency for Public Telecommunications, and the North Carolina  
3 Center for Public Television jointly shall present the written plan and timetable to the  
4 Joint Legislative Commission on Governmental Operations not later than March 31,  
5 1994.

6 Sec. 11. The IRMC shall prepare a written plan to establish stronger  
7 centralized governance over its wide area communications networks. The plan shall  
8 include involvement of three organizational components: (i) a Director of Statewide  
9 Telecommunications, (ii) a Telecommunications Advisory Board, and (iii) an expansion  
10 of IRMC membership to include at least one telecommunications official in State  
11 government. The plan for stronger centralized governance shall apply to the wide area  
12 communications networks only as the transport mechanism to move information. The  
13 IRMC shall present the written plan to the Joint Legislative Commission on  
14 Governmental Operations not later than December 31, 1993.

15 Sec. 12. The IRMC and the STS shall prepare a written needs assessment,  
16 requirements analysis, and feasibility study for migrating networks to a new broadband  
17 technology that will support activities including, but not limited to, greater use of local  
18 area network interconnections, geographic information systems, image processing,  
19 video conferencing, State and county library interconnections, and educational  
20 television. The written plan shall include an assessment of demand for the increased  
21 bandwidth, a comprehensive cost analysis of migrating to a new broadband technology,  
22 an assessment of broadband technology's reliability in actual operation, and an  
23 assessment of the ability of technology vendors to deliver the network as it has been  
24 proposed. The IRMC shall present the written needs assessment, requirements analysis,  
25 and feasibility plan to the Joint Legislative Commission on Governmental Operations  
26 not later than December 31, 1993.

27 Sec. 13. The Microelectronics Center of North Carolina shall prepare a  
28 written needs assessment, requirements analysis, and feasibility study for replacing and  
29 expanding its analog microwave segments with optic fiber provided by a common  
30 carrier. Among its topics, the reports shall address current capacity constraints,  
31 anticipated capacity constraints over the next five years, and realistic, anticipated  
32 demand growth over the next five years. The MCNC shall deliver the written needs  
33 assessment, requirements analysis, and feasibility study to the IRMC and the Joint  
34 Legislative Commission on Governmental Operations not later than December 31,  
35 1993.

36 Sec. 14. The IRMC shall direct an evaluation of the three pilot projects  
37 currently underway on two-way video teleconferencing for distance learning and remote  
38 medical diagnosis. The State shall not replace the funding of the pilot projects from the  
39 current grantors or sponsors before the completion of the evaluation, which shall (i)  
40 examine the findings and conclusions of the distance learning pilot projects, and (ii)  
41 validate the pilot projects' effectiveness in supporting training in schools, homes, and  
42 State agencies.

43 Sec. 15. The IRMC shall direct the Agency for Public Telecommunications  
44 in preparing a written needs assessment, requirements analysis, feasibility study, and

1 documented demand analysis of the Agency for Public Telecommunications' proposal  
2 to broadcast gavel-to-gavel coverage of General Assembly sessions. Neither the  
3 Agency for Public Telecommunications nor any other State agency shall spend State  
4 funds for the purchase and installation of satellite receiving equipment nor for the  
5 retrofitting of satellite uplinks to accommodate "Ku Band" technology in order to  
6 broadcast gavel-to-gavel coverage of General Assembly sessions prior to the completion  
7 of the IRMC-directed report. The IRMC and the Agency for Public  
8 Telecommunications shall deliver the written report, along with recommendations of the  
9 IRMC, to the Joint Legislative Commission on Government Operations not later than  
10 December 31, 1993.

11           Sec. 16. The University of North Carolina shall prepare a written plan for  
12 upgrading the University of North Carolina Education Computing Services' LINCNET  
13 (i) to support greater bandwidth applications, such as file/catalog transfer, and (ii) to be  
14 compatible with the Triangle-area library network, consisting of Duke University, North  
15 Carolina State University, and the University of North Carolina at Chapel Hill. The  
16 University shall deliver the written plan to the Joint Legislative Commission on  
17 Government Operations not later than December 31, 1993.

18           Sec. 17. The State Telecommunications System shall develop a written plan  
19 to pursue a single statewide Centrex tariff with each of the current geographic carriers.  
20 The STS shall deliver the written plan to the IRMC not later than December 31, 1993.

21           Sec. 18. The State Telecommunications System shall develop a plan and a  
22 draft request for proposal for a single bulk discount agreement with the long-distance  
23 InterExchange Carrier voice telecommunications service. The STS shall deliver the  
24 written plan and draft request for proposal to the IRMC for approval not later than  
25 December 31, 1993.

26           Sec. 19. This act is effective upon ratification.