Contents

1 Summary and Policy Implications 1 Opportunities and Challenges 2 Policy Implications 6

2 Telecommunications Technology and Native American Cultures 17

Native American Cultural and Community Challenges 18
Renewing and Strengthening Native Languages 21
Protecting Sacred Sites and Objects 26
Recording, Developing, and Sharing Native Cultures 27
Broadening Public Awareness of Native Cultures 34
Developing a Native Cultural Empowerment Strategy 35

3 Telecommunications Technology and Native American Community-Building 39

Technologies and Infrastructure for Community-Building 40
Education and Research 44
Health Care 54
Economic Development and Environmental Protection 58
Governance 65
Telecommunications Access for Community-Building 68

4 Native American Sovereignty and Telecommunications Policy 73

Historical Context: American Indians and Alaska Natives 74
Historical Context: Native Hawaiians 77
Indian Law and Telecommunications 80
Federal Indian Policy Potentially Applicable to Telecommunications 83
FCC Policies on Minorities 87 5 Policy Framework for Native American Telecommunications 91

Need for a Policy Framework92Empowering Native AmericanTelecommunications95Refocusing the Federal Role104

APPENDICES

- A Computer Networking for Native Americans 123
- B OTA on the Internet: The Native American Resource Page 127
- C Native American Telecommunications Infrastructure: Survey Instrument 139
- D Reviewers and Contributors 143
- E Boxes, Figures, and Tables 153

INDEX 155