

# Stimulus Briefing Begins at 1 p.m. ET

For email updates, sign up at

[http://www.internet2.edu/  
government/signup.cfm](http://www.internet2.edu/government/signup.cfm)



# Update on the American Recovery and Reinvestment Act of 2009

*for the Internet2 Community*

June 4, 2009



# Internet2 Stimulus Resource Page:

[http://www.internet2.edu/  
government/stimulus](http://www.internet2.edu/government/stimulus)



## Today's Update:

- NSF ARI Deadline Reminders
- NTIA/RUS NOFA soon? Clues?
- FCC Rural Broadband Strategy Report
- OECD Report
- FCC NOI – Broadband Strategy
- Personnel News

# NSF ACADEMIC RESEARCH INFRASTRUCTURE PROGRAM (ARI-R<sup>2</sup>) NSF 09-562

## Deadlines:

July 1, 2009 – Letters of Intent

August 24, 2009 – Full Proposals



# NTIA and RUS Broadband Programs

- “Notice of Funding Availability” –  
Coming Soon? (Late June?)

# NTIA and RUS Broadband Programs

Solicitation Number: NTIA9000-9-13427

First, contractors should have extensive experience in understanding and executing **business plans**. This includes, but not limited to, understanding where value is being created in the plan, identifying key risk factors to success, modeling cash flows, determining the range of probable outcomes for a given business plan, and an understanding of the economics underlying the plans. Contractors should also have extensive experience in dealing with both private and public equity and debt markets so that they can determine the **long-term viability of applicants' plans** once the BTOP funds are fully invested. Second, firms should possess a deep understanding of a variety of **broadband technologies** including, but not limited to, fiber optics, metro and long haul networks, Internet Protocol and wireless. Contractors must possess the technical ability to understand the technical aspects of the construction and deployment of broadband related infrastructure, equipment, instrumentation, network capability, hardware and software, and digital network technology. Third, in addition to having a technical understanding of the underlying technologies that will be set forth in grant applications, successful firms must demonstrate first-hand experience in **managing communications networks**, including in rolling out new and existing technologies in new and existing markets. Finally, contractors must have a significant understanding of relevant communications regulatory requirements in order **to evaluate the viability, feasibility, and sustainability of business plans put forward by grant applicant**. Successful firms will demonstrate that the required skills are readily available.



# New Schools, Libraries & Hospitals Coalition...in formation

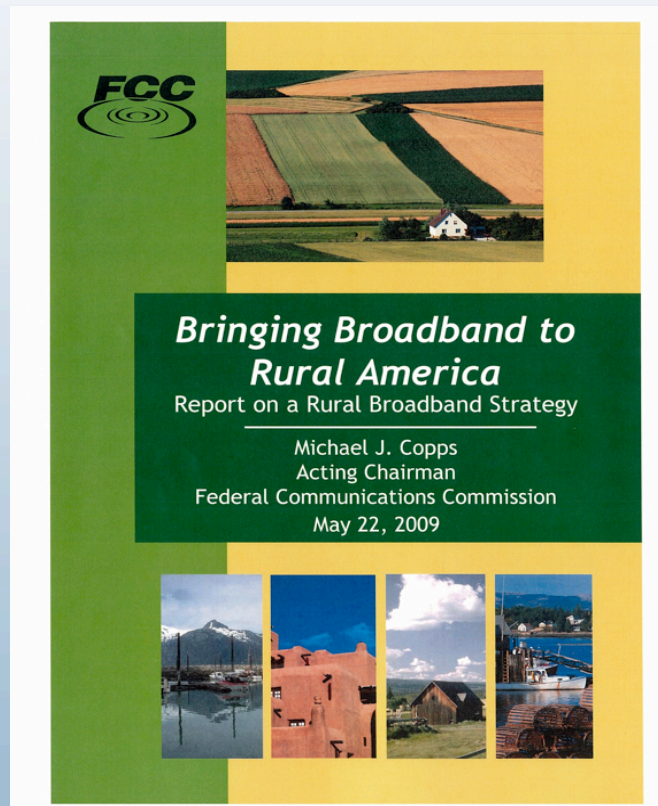
The Coalition believes that adhering to the following principles will help the U.S. to achieve this mission:

- Because of the essential services that they provide to the public, it should be a **priority** of federal policy that schools, libraries and health care institutions have affordable access to “future-proof” high capacity broadband technologies that can be easily upgraded to meet the enormous growth in demand that is expected from high-definition video, distance learning, telemedicine, job-training and other socially-beneficial applications.

# New Schools, Libraries & Hospitals Coalition...in formation

- Broadband facilities deployed to serve anchor institutions should be open to **interconnection** by other broadband facilities serving the community as a way to spur additional broadband investment. Interconnection to networks serving anchor institutions will provide jumping off points for distributing additional broadband services into surrounding neighborhoods, including residences and other community anchor institutions.
- As the statutory language recognizes, community anchor institutions have **unique needs** for very high-capacity bandwidth that are different from those of residential consumers. The eligibility of community anchor institutions to apply for funding should not be governed by geographic boundaries or definitions that are more appropriate for households. Any community anchor institution lacking high-capacity broadband facilities, whether located in an urban, suburban or rural area, should be permitted to apply for funding and its application should be considered on its merits on a case-by-case basis.

# FCC Rural Broadband Strategy Report



[http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/DOC-291012A1.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-291012A1.pdf)



# FCC Rural Broadband Strategy Report

[The Federal Communications Commission's Report on a Rural Broadband Strategy includes issues involved with the "middle mile" that connects the last mile Internet service provider with an Internet backbone service provider. "In many cases, the rural broadband provider will need to obtain backhaul transport from more than one provider, often over facilities that were designed for voice telephone or cable television services," the report states. "Some of these 'middle mile' facilities may have insufficient capacity, causing the transmission speed on otherwise adequate last-mile broadband facilities to come to a crawl or stall before the data reach the Internet backbone. Overcoming this may require the construction of a dedicated facility, which drives up costs and can deter last-mile broadband investments. Moreover, even when the last-mile provider acquires access to adequate middle-mile facilities, that access may be prohibitively expensive." The report goes on to offer several possible solutions, such as **"encouraging middle-mile buildout, revising universal service funding to help cover costs of the middle-mile and using current or potential infrastructure more effectively by coordinating with other infrastructure projects to shrink deployment costs, and reforming interconnection obligations."**

SOURCE: TelephonyOnline, AUTHOR: Joan Engebretson]



# OECD Report



DSTI/ICCP/CISP(2009)1/FINAL  
Unclassified

**Unclassified**

Organisation de Coopération et de Développement Économiques  
Organisation for Economic Co-operation and Development

**DSTI/ICCP/CISP(2009)1/FINAL**

19-May-2009

English - Or. English

**DIRECTORATE FOR SCIENCE, TECHNOLOGY AND INDUSTRY  
COMMITTEE FOR INFORMATION, COMPUTER AND COMMUNICATIONS POLICY**

**Working Party on Communication Infrastructures and Services Policy**

**THE ROLE OF COMMUNICATION INFRASTRUCTURE INVESTMENT IN ECONOMIC  
RECOVERY**



# OECD Report

Investments which bring high-speed backbone networks to a large number of rural communities may be more efficient than projects which pay for last-kilometre connections to homes in a limited number of areas. Policy makers who have committed to investing in markets may decide to invest in high-capacity backbone infrastructure to some rural and remote areas as a way to extend affordable, high-bandwidth connections to the largest number of inhabitants in these areas as possible and leave the last-kilometre connectivity to the private sector. **Public investment could be used to target spending on high-speed openaccess networks providing connectivity to rural schools, hospitals and other public institutions as anchor points for high-speed connections in the community. Private ISPs could then interconnect at these points and distribute access directly to users using their own facilities and services.**

<http://www.oecd.org/dataoecd/4/43/42799709.pdf>

# FCC “Notice of Inquiry” (NOI) on National Broadband Strategy

Federal Communications Commission

FCC 09-31

Before the  
Federal Communications Commission  
Washington, D.C. 20554

In the Matter of )  
 )  
A National Broadband Plan for Our Future ) GN Docket No. 09-51

## NOTICE OF INQUIRY

**Adopted: April 8, 2009**

**Released: April 8, 2009**

By the Commission: Acting Chairman Copps, and Commissioners Adelstein and McDowell issuing separate statements.

**Comment Date: June 8, 2009**

**Reply Comment Date: July 7, 2009**

## TABLE OF CONTENTS

	Paragraph
I. INTRODUCTION .....	2
II. BACKGROUND .....	10
III. DISCUSSION.....	12
A. Approach to Developing the National Broadband Plan.....	13



# Key Personnel

- NTIA-BTOP

Mark Luker, former VP of EDUCAUSE

**For resources, see**

**[http://www.internet2.edu/  
government/stimulus](http://www.internet2.edu/government/stimulus)**

**To sign up for email updates,**

**[http://www.internet2.edu/  
government/signup.cfm](http://www.internet2.edu/government/signup.cfm)**

[www.internet2.edu](http://www.internet2.edu)

INTERNET<sup>®</sup>  
2