

PMC-EF2a

(204.02)

**U.S. DEPARTMENT OF ENERGY  
EERE PROJECT MANAGEMENT CENTER  
NEPA DETERMINATION**



RECIPIENT: Alcatel-Lucent USA

STATE: NJ

**PROJECT TITLE :** Energy Efficiency of Data Networks through Rate Adaptation (EEDNRA)

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
DE-FOA-0000107	DE-EE0002887	GFO-10-218	0

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

**CX, EA, EIS APPENDIX AND NUMBER:**

Description:

- A9** Information gathering (including, but not limited to, literature surveys, inventories, audits), data analysis (including computer modeling), document preparation (such as conceptual design or feasibility studies, analytical energy supply and demand studies), and dissemination (including, but not limited to, document mailings, publication, and distribution; and classroom training and informational programs), but not including site characterization or environmental monitoring.
- B3.6** Siting, construction (or modification), operation, and decommissioning of facilities for indoor bench-scale research projects and conventional laboratory operations (for example, preparation of chemical standards and sample analysis); small-scale research and development projects; and small-scale pilot projects (generally less than two years) conducted to verify a concept before demonstration actions. Construction (or modification) will be within or contiguous to an already developed area (where active utilities and currently used roads are readily accessible).

**Rational for determination:**

Alcatel-Lucent USA is proposing to use ARRA funding through DOE to investigate and develop novel approaches to the design, management, and programming of networking equipment to achieve high levels of energy performance.

All research will take place at Bell Laboratories in New Jersey, at the Murray Hill NJ and Crawford Hill NJ locations. Project work will be performed in office and computer laboratory environments. All facilities are inspected on a quarterly basis for standard safety issues.

An R&D questionnaire has been filled out for the Bell Laboratory facilities which addresses their established safety protocols applicable to this project work.

This project comprises research and concept development including design, feasibility analysis, data analysis and process validation; therefore a CX A9 and B3.6 applies.

**NEPA PROVISION**

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

**SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.**

NEPA Compliance Officer Signature:

  
NEPA Compliance Officer

Date:

3/2/10

**FIELD OFFICE MANAGER DETERMINATION**

Field Office Manager review required

**NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:**

- Proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention.
- Proposed action falls within an EA or EIS category and therefore requires Field Office Manager's review and determination.

**BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :**

Field Office Manager's Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Field Office Manager

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 421.1), I have made the following determination:

1. I have reviewed the following information:

- (a) The project description (including but not limited to: location survey, location, and data analysis (including computer modeling), resource protection (such as wetlands, riparian, or forest), energy analysis, supply and demand studies, and distribution (including but not limited to treatment, storage, and distribution) and associated safety and environmental protection; and
- (b) The project description (including but not limited to: location survey, location, and data analysis (including computer modeling), resource protection (such as wetlands, riparian, or forest), energy analysis, supply and demand studies, and distribution (including but not limited to treatment, storage, and distribution) and associated safety and environmental protection; and

2. I have reviewed the following information:

- (a) The project description (including but not limited to: location survey, location, and data analysis (including computer modeling), resource protection (such as wetlands, riparian, or forest), energy analysis, supply and demand studies, and distribution (including but not limited to treatment, storage, and distribution) and associated safety and environmental protection; and
- (b) The project description (including but not limited to: location survey, location, and data analysis (including computer modeling), resource protection (such as wetlands, riparian, or forest), energy analysis, supply and demand studies, and distribution (including but not limited to treatment, storage, and distribution) and associated safety and environmental protection; and

01/16/10

SIGNATURE OF THE MEMORANDUM SUBSTITUTES A RECORD OF THIS DECISION

NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION