

**NEW ENGLAND TRANSPORTATION CONSORTIUM
QUARTERLY PROJECT PROGRESS REPORT**

A. PROJECT NUMBER AND TITLE:

NETC 14-1

Measuring the Effectiveness of Competency Models for Job Specific Professional Development of Engineers & Engineering Technicians

B. PRINCIPAL INVESTIGATOR(S) & UNIVERSITY(S):

Chris Ahmadjian
UMass Amherst

C. WEB SITE ADDRESS (If one exists):

<http://www.ec.edu/umtc/index.shtml>

D. START DATE (Per NETC Agreement):

3/1/2015

E. END DATE (Per NETC Agreement):

12/31/2016

F. ANTICIPATED COMPLETION DATE:

12/31/2016

G. PROJECT OBJECTIVES:

The objectives of this project are:

1. To identify and review existing Competency Models (CM) and matrices that can help in the development of a DOT specific competency model
2. To perform a gap analysis on the existing CM's and matrices to create a DOT specific employee competency matrix
3. To create a CM framework for each of the NETC member states
4. To run a pilot program in one of the NETC member states
5. To determine the financial benefits (return on investment) of having a CM in place
6. To create an implementation plan and technology transfer strategy for the research results
7. To deliver a final report

H. REPORT PERIOD:

April 01, 2016 to June 30, 2016

I. ACCOMPLISHMENTS THIS PERIOD:

Bob LePage continued work on the gap analysis
We completed work on a conceptual process that would create a CM model for each DOT.

J. PROBLEMS ENCOUNTERED (If any):

We were forced to stop formal work on the project in May until the project extension was approved.
Our graduate student continued work in support of her academic needs.

K. TECHNOLOGY TRANSFER ACTIVITIES: *List any reports, papers, presentations published/presented during the report period or anticipated for the next quarter.*

L. STATUS BY TASK:

Task 1: Research Existing CM's and Matrices – 100% complete.

Task 2: Determine Gaps in Existing CM's – 10% complete.

Task 3: Develop a Transportation CM Framework for Each NETC Member State – 10% complete.

Task 4: Run a Pilot Program in at Least One State – 0% complete.

Task 5: Delivery of a Final Report – 0% complete

M. PERCENT COMPLETION OF TOTAL PROJECT: 30 %

N. ACTIVITIES PLANNED FOR NEXT QUARTER:

Waiting on approval of contract extension

O. FINANCIAL STATUS:

As of: *Month, Day, Year*

Total Project Budget: \$ 100,000

Total Expenditures : \$ 22,797.15

Note: This report should not require more than 2-3 pages & should be e-mailed to the NETC Coordinator so as to arrive no later than three (3) working days after the end of each calendar quarter.