

Recipient: Lorain County Community College

Grant Number: TC-26435-14-60-A-39

Quarter Ending: 03/31/2016

**Quarterly Narrative Progress Report
Trade Adjustment Assistance Community College and Career Training
(TAACCCT) Grants**

Project Name:

Ohio Technical Skills Innovation Network (Ohio TechNet)

Grant Number:

TC-26435-14-60-A-39

Award Year:

2014

Report Quarter Ending:

03/31/2016

Date of Submission:

05/13/2016

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A. Quarterly Summary for Grant Activities

Ohio TechNet (OTN) is an Advanced Manufacturing consortium with 5 programs: Welding, CNC/Machining, Industrial Maintenance, Digital Fabrication/Industrial Automation, Occupational Safety. Schools include Columbus State (CSCC), Cincinnati State (CSTCC), Cuyahoga (CCC), Eastern Gateway (EGCC), Lakeland (LCC), Lorain (LCCC), Owens (OCC), Rhodes (RSC), Sinclair (SCC), Stark (SSC), Zane (ZSC). Employers are driving OTN's success. With more than 170 employers engaged, OTN schools are: helping students secure internships and wage increases upon employment; partnering with Lincoln Electric to conduct a skills gap survey; supporting facilitation of Ohio Manufacturing Careers Council; planning a National Emergency Grant pilot. To accelerate job placement for transitioning adults, OTN colleges are developing/have launched accelerated curriculum, incorporating Competency Based Education (CBE), modularized units, short-term certificate programs, boot camps and on-the-job training programs such as Right Skills Now. OTN schools are working to increase PLA credits by partnering with the State of Ohio to streamline the PLA process statewide. Workforce partners such as Ohio Means Jobs (OMJ), regional manufacturing consortiums, SBDCs and veteran groups are helping OTN connect with participants. 600+ veterans were notified of the new credit-based awards that were created as a result of this grant. OTN navigators initiated over 500 contacts with program participants and conducted more than 50 presentations linking students to student success resources. West Central Ohio Manufacturing Consortium completed 4 sessions of the Basic Manufacturing Pathway with RSC,

which allowed participants the opportunity to take the National Career Readiness Certificate assessment. To aid in connecting with TAA-eligible individuals, Ohio Dept of Jobs and Family Services (ODJFS) provided regional TAA metrics and offered help with outreach to these individuals. With demonstrated need to assist those interested in fast-track workforce training but lacking funding, OTN researched Ohio's Workforce Revolving Loan Program to fill financial aid gaps. A short-term program at LCC was approved for financial aid by both the Ohio Dept of Higher Ed and the US Dept of Ed. CSCTC and SSC finished renovations; several schools continue to purchase/install approved equipment and ZSC opened a Fab Lab. OTN participants and employers benefit from utilizing state-of-the art equipment for accelerated training.

B. Status Update on Leveraged Resources

Provide an update on the organizations that contributed the resources:

RSC and Center for Innovative Food Technology (CIFT) supported personnel costs for RSC staff and CIFT members (\$2200). SCC leveraged in-kind support of personnel (\$2,798). Bi-Con provided steel pipe to ZSC (\$22,491). The following unclaimed indirect costs were leveraged by OTN partner schools: CSTCC: \$8,288; CSCC: \$7,713; CCC: \$13,172; LCC: \$25,411; LCCC: \$26,371; OCC: \$17,239; RSC: \$12,865; SCC: \$9,275; ZSC: \$12,974.

Provide an update on the ways in which the resources were used during the current quarter:

CSTCC, CSCC, CCC, LCC, LCCC, OCC, RSC, SCC, ZSC: unclaimed indirect costs supported administrative services vital to attainment of grant deliverables. RSC: personnel costs were incurred to provide ongoing engagement with CIFT and RSC's TechNet Steering Committee. SCC: leveraged in-kind support of co-directors in support of grant activities. ZSC: steel pipe donated by Bi-Con was used in welding courses.

Comments:

N/A

During this quarter, did you receive any additional leveraged resources beyond what is listed in your statement of work?

No

C. Status Update on Employer(s) Involvement

Discuss how the required employer(s) has been involved during the current phase of the project.

In Q6, required employers supported OTN in at least 1 of the following ways: donated supplies (S), participated in program/curricular design (CD), hosted paid work experiences (PW), shared data on openings, skills and credentials (SD), helped implement program strategies (IS), gave consideration (CPC)/hired program completers (HPC), participated on advisory panels (AP), hosted site tours (T), and/or participated on the Ohio Manufacturing Careers Council (OMCC). Specific roles are outlined

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below.

Outline specific roles and contributions of the employer(s) during this quarter.

AJ Rose: CD, SD, T. Air Tech Ind: CD, SD, IS, HPC, AP. Arcelor Mittal: CD, SD, AP. Autogate: SD. Bettcher: CD. Bob Evans Farms: SD. Clark Reliance: CD, SD. Crane Aerospace: CD, OMCC. Dana Auto: PW, IS. Dannon: CD. Dayton Lamina: AP. Diamond Products: CD, SD. Enginetics Aerospace: AP, OMCC. EWI: SD. F&P America Mfg: CD. General Plug: CD, SD, IS. Island Aseptics: OMCC. Jerl Machine: CPC, AP. Kern-Liebers: CPC, AP. Lincoln Electric: CD, IS, AP. Nordson: CD, SD. Proctor&Gamble: CD.

Identify any challenges encountered/resolved in the development and management of the employer involvement.

OTN lead team is working with the State to clarify labor market data and this information will be shared with partners. CSTCC required employer Howden has terminated their commitments because of the welding lab's location change. LCCC is sensitive to duplicating employer outreach among several of the college's departments, thus LCCC is working to create a strategy to streamline communication to employer partners. ZSC encountered challenges in securing employer commitment for apprenticeships.

Discuss new employers and commitments that may have been added to support the project.

ACI:SD,HPC.Acuren:CPC.Avery:CD.AirBorn:CD,SD,PW.AutomationT&D:CD,IS,OMCC.Bessey:IS.CBI:SD,AP.BlastAbrade:PW,SD.Camac:SD,CPC.Coleys:SD,CPC.Crown:CPC.DRMA:CD.DuraLine:SD,CPC.EfficientMachine:CD,SD.ElementMaterials:IS.GE:CPC.FirstPower:CD.Laird:CD,SD,PW.GEM:CD.Guissenberg:SD.HDT:CPC.Hana:CD,SD,PW.JetMachine:CPC.KMI Mfg:IS.Lgstx:CPC.Latanick:CD.Lincoln&Miller:AP.LLC:AP.LMI:HPC.Meijer:CD.Midway:CD.Mueller:CPC.NASA:CD.NEORS:CD.Nobile Tool:CD.Omni:CD.PolyOne:CD.Rockwell:SD.

Comments:

OTN partners continue to engage with statewide and regional industry coalitions, including: the Alliance for Working Together (AWT) and the Center for Innovative Food Technology (CIFT). RSC partnered with CIFT to build credit and non-credit curriculum in Industrial Maintenance in Food Manufacturing. LCC worked with AWT in curriculum review and to facilitate communication with their membership. Addtl required employer roles: Rudolph Foods: AP. RW Beckett: CD. Safety Controls Tech: CD, AP. Seaway Bolt: SD. SGS Tool: CPC. Superior Die, Tool&Machine Co.: SD. US Bridge: AP. Bi Con: S. Addtl new employers: SMART Microsystems: CD, SD, PW. Valtronic: CD, SD, PW. Whirlpool: CD. MTD Prod: PW.

Have you had any consultation or advisory meetings with business or employer partners during this quarter?

Yes

Were there any direct hires of program of study completers by employer partners during this quarter?

Yes

Were internships or other work-based learning opportunities posted during this quarter?

Yes

Did you acquire any additional employer partners during this quarter?

Yes

D. Timeline for Grant Activities and Deliverables

General Comments:

Collaboration and innovation abound with pilot programs supported by several NNMI's currently under development. LIFT awarded 2 OTN schools (CSTCC and LCCC) funding to pilot a Manufacturing Readiness course, which will lead to the creation of a uniform for-credit Manufacturing Foundations course. NextFlex and AmericaMakes offered input to guide a pilot at LCCC, TRAIN OH, which will incorporate facets of the KY FAME/AMT model. TRAIN OH will launch Fall 2016 with the support of 5 employers. This collaboration was highlighted in the plenary speech by the Director of the OSD Manufacturing Technology Office at the 2016 Flex Conference, a national gathering of companies and schools involved with printed and flexible electronics. In the speech, to over 500 people, LCCC program was highlighted as a model to resolve challenges that the skills gap presents. CSTCC and SSC made significant progress with renovations/installation of new equipment this quarter. At CCC and LCC, planning is underway to create additional articulation agreements as an expansion of best practices for student intake and veteran initiatives. Curriculum development and approval is in full swing as the new Food Tech curriculum was approved at RSC; new math curriculum was implemented at SCC; LCC's Welding Advisory Committee recommended a modified Industrial Welding Curriculum, which was approved for launch Fall 2016; CCC & LCCC are creating Meta Majors; CCC is developing 3 new classes for Fall 2016, incorporating additional credit-based awards and national certifications. SSC is modifying curriculum to incorporate soft skills; LCCC's Non-Destructive Testing (NDT) short term certificate was approved. Professional development continues with ZSC, RSC and LCCC faculty attending NIMS training and ZSC faculty receiving training on new welding robot. 82% of OTN schools completed a CBE benchmarking survey; OTN lead developed a PLA survey based on Colorado model. LCCC shared SBDC curriculum resources with CCC.

How many programs are you planning to offer?

5

As of this quarter, how many programs have you launched to date?

4

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Activity ID: 1

Status: Ongoing

Activity Type: Activity

Project Goal: 1.1 General Program Management

Narrative: Align activities with existing sector initiatives to share best practices

Expected Start: 10/01/2014

Expected End: 09/30/2018

Actual Start: 10/01/2014

Actual End:

Notes: 03/20/2015: Activity 1.1; Align activities with existing sector initiatives to share best practices

05/07/2015: Started recruitment for Project Manager and Program Developer; contracted with Program Evaluator; hired Resource Development Specialist.

08/14/2015: Work Teams were launched to support program management. Project management team is hired and oriented to Ohio TechNet / TAACCCT including OTN project manager, program developer, senior research project manager, and resource development specialist.

11/12/2015: Consortium infrastructure organized: data sharing agreements, systems for secure data transmittal, weekly calls, regular webinars, site visits. OTN partners align employer engagement and career pathway development with the Ohio Manuf. Careers Council.

02/08/2016: OTN collaborates with state and national leaders and initiatives by supporting the launch of Ohio Mfg Careers Council (OMCC), led by industry with the support of the Ohio Department of Higher Education (ODHE), LIFT and OTN.

05/13/2016: OTN supported Ohio Manufacturing Careers Council, providing coordination assistance for the Education/Skills Work group. ODJFS, ODHE, and ODVS provided updates and feedback at Q6 in-person OTN convening.

Activity ID: 2

Status: Ongoing

Activity Type: Activity

Project Goal: 2.1 Accelerated Remediation

Narrative: Contextualized and accelerated remediation through collaboration

Expected Start: 06/01/2015

Expected End: 09/30/2017

Actual Start: 03/02/2015

Actual End:

Notes: 03/20/2015: Activity 2.1; Collaboration with Adult Basic Education, Industry, workforce and Ohio Completion Agenda

05/07/2015: Started procurement process for PLA contractor.

08/13/2015: Select consortium members have had initial discussion with a local ABLE provider about developing a Bridge Class to help prepare students for Math in Welding and engaged faculty to complete enhanced math curriculum for Machinery Maintenance.

11/12/2015: Consortium members attended Competency-Based Education Conference and PLA Strategy Session with CAEL. Select consortium member has confirmed partnership with local ABLE and reviewed and modified curriculum.

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02/08/2016: OTN is reviewing CAEL's PLA recommendations to determine a strategy to increase PLA credit obtainment statewide. CSCC developed CBE-focused curriculum. CCC is exploring virtual ideation training & software simulation training for robotics welding.

05/13/2016: OTN is working with State of Ohio to help finalize the state's PLA portfolio rubric. LCC and RSC awarded PLA credit. OTN attended TAACCCT convening and obtained additional PLA resources which will be utilized to enhance PLA in Ohio.

Activity ID: 3

Status: Ongoing

Activity Type: Activity

Project Goal: 2.2 Enhanced Collaboration

Narrative: Collaboration among career technical, community colleges, registered apprenticeship and 4 yr univ.

Expected Start: 10/01/2015

Expected End: 09/30/2017

Actual Start: 10/02/2014

Actual End:

Notes: 08/13/2015: University System of Ohio Talent Development Network collaborated on statewide Post-Secondary Adult Career Education conference. Worked with State of Ohio Apprenticeship Council; attended conferences to gain best practice knowledge on collaboration.

11/12/2015: Affinity Groups have continued to meet, resulting in increased collaboration among partner colleges. Select consortium member collaborated with career centers to become registered apprenticeship sponsor.

02/08/2016: OTN partners created regional partnerships to capitalize on ODHE funding for manufacturing equipment, which maximizes the OTN investment.

05/13/2016: University System of Ohio Talent Development Network (USO TDN) is helping OTN enhance relationships with Ohio's career technical colleges. In Q7, OTN will present at the USO TDN, PACE and OACE conference which targets career technical colleges.

Activity ID: 4

Status: Ongoing

Activity Type: Activity

Project Goal: 2.3 Strengthen Employr Roles

Narrative: Strengthen employer roles as design and delivery partners

Expected Start: 07/01/2015

Expected End: 09/30/2017

Actual Start: 01/05/2015

Actual End:

Notes: 08/14/2015: Team 2 is researching and developing employer engagement tools. OTN is also collaborating with LIFT and OBOR to launch Ohio Manufacturing Careers Council and engaging employers in planning committees, advisory committees, work groups, focus groups.

11/12/2015: Seminar with The Manufacturing Institute was held, which discussed employer engagement strategies and the new ROI tool. Employers have been engaged on advisory panels and via the OMCC to assist in program design and implementation.

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02/08/2016: OTN continues to engage employers locally and supports employer involvement in work teams of the Ohio Manufacturing Careers Council (Image/Outreach and Education/Skills).

05/13/2016: OTN schools have worked with industry partners to develop curriculum and OJT opportunities. LCC worked with Lincoln Electric to develop Workforce Needs Survey. Many OTN employers are helping guide the work of the Ohio Manufacturing Careers Council.

Activity ID: 5

Status: Ongoing

Activity Type: Activity

Project Goal: 2.4 Online Learning

Narrative: Integrate new & replicate successful models of online tech-enabled competency based learning.

Expected Start: 10/01/2015

Expected End: 09/30/2017

Actual Start: 06/16/2015

Actual End:

Notes: 08/13/2015: Researched hybrid models; drafted Request for Information to gather information on potential providers and efficacy of programs; participated in nat'l conference on Competency Based Education hosted by previous TAACCCT grantees.

11/12/2015: Statewide Competency-Based Education conference attended; competency-based curriculum designed; course created using welding robot purchased with grant funds; Welding Affinity Group created an RFP to solicit online welding program resources.

02/09/2016: Partner schools have made significant progress with CBE and shared this expertise on weekly consortium calls and during affinity group meetings.

05/13/2016: OTN schools have launched programs that incorporate Competency Based Education (CBE). RSC is developing CBE curriculum in Industrial Maintenance relating to Food Technology. SCC has initiated CBE conversion for Machining.

Activity ID: 6

Status: Ongoing

Activity Type: Activity

Project Goal: 2.5 Serving Veterans

Narrative: Adopt consistent approach to serving veterans

Expected Start: 06/01/2015

Expected End: 09/30/2017

Actual Start: 06/16/2015

Actual End:

Notes: 08/13/2015: Planned July seminar with The Manufacturing Institute focused on Get Skills to Work. LCCC organized Boots to Business workshop with SBDC, postponed due to low enrollment. Will work with veteran service agencies to revise outreach and reschedule.

11/12/2015: Partners are involved at multiple levels in honing services and strategies to accelerate the transition of veterans to manufacturing careers, working with campus groups, OhioMeansJobs, veteran services, Hire a Vet, NEOVETS, and other initiatives.

02/08/2016: Officials from the Ohio Department of Veteran Affairs will lead a veteran-focused info

session for OTN project managers in Feb 2016. In Q5, ZSC and CSCC planned a Boots to Business program in partnership with local SBDCs.

05/13/2016: Ohio Dept of Veteran Services presented to OTN project managers in January. LCCC continued to work with NEOVETS, engaging employers for training. PLA credit guidelines were developed, which will allow veterans to receive credit for prior training.

Activity ID: 7

Status: Ongoing

Activity Type: Activity

Project Goal: 2.6 Safety Education

Narrative: Expand degree options and credit-bearing education and training for safety professionals

Expected Start: 02/28/2015

Expected End: 09/30/2017

Actual Start: 02/28/2015

Actual End:

Notes: 05/07/2015: Preliminary discussion regarding scope of work for safety contractor.

08/14/2015: LCCC hosted the Assistant Secretary of Labor for OSHA and industry partners for Workers' Memorial Day. OTN contracted subject matter experts to support project management related to deliverables for the safety education and training component.

11/12/2015: Statewide Safety Industry Council was launched to help design/create the Safety Career Pathway. Representatives from OSHA, industry, workers comp, and education attended. Partners also report embedding OSHA training into technical fields of study.

02/08/2016: In conjunction with the Statewide Safety Industry Council, courses were identified for a 2-year Occupational Safety degree.

05/13/2016: LCCC evaluated subject matter experts in preparation of curriculum launch in Fall 2016, and secured personnel to develop curriculum and continues to engage Statewide Safety Industry Council.

Activity ID: 8

Status: Ongoing

Activity Type: Activity

Project Goal: 3.1 Systems Integration

Narrative: Replicate successful models of community college/workforce systems integration

Expected Start: 01/01/2015

Expected End: 09/30/2015

Actual Start: 01/01/2015

Actual End:

Notes: 05/07/2015: Engaged local WIB as a partner and held preliminary conversations about using Ohio's state-level case management system.

08/13/2015: Met with local WIB partner to discuss data management and previewed OTN's special office in Ohio's Workforce Case Management System (OWCMS). Crosswalked data fields in the Participant Intake Form to fields in the OWCMS.

11/12/2015: Continued work with ODHE, ODJFS and local WIB to foster collaboration; connecting with local WIBs and college workforce development departments; Pathway to Employment model

created through prior TAACCCT grant at Cincinnati State will be replicated.

02/08/2016: OTN continues to collaborate with workforce partners to engage and support individuals in existing advanced manufacturing initiatives, implementing models such as Right Skills Now, and developing collaborative delivery models.

05/13/2016: OTN schools continued to work closely with workforce partners to recruit participants, obtain tuition funding, support case management, encourage co-enrollment, and host events.

Activity ID: 9

Status: Ongoing

Activity Type: Activity

Project Goal: 3.2 Completion Agenda

Narrative: Align activities to Ohio's completion and student success agenda

Expected Start: 06/30/2015

Expected End: 09/30/2017

Actual Start: 06/16/2015

Actual End:

Notes: 08/14/2015: Work Team 3 was launched. Its goal to expand best practices that redesign student intake, success, and placement support the alignment of activities to Ohio's completion agenda.

11/12/2015: Navigator Affinity Group launched to share best practices for student intake, success, and placement; Integration of TAACCCT activities within colleges' overall completion agenda and teams; PLA work which supports student success is advancing.

02/08/2016: OTN utilizes navigators, intrusive advising, creative financial aid programs, and unique curriculum models, such as CBE and PLA, to increase student success and completion. Several OTN project managers serve on their school's Completion Agenda team.

05/13/2016: OTN presented to chief academic officers at an Ohio Association of Community Colleges meeting which focused on Student Success. This work is key to the sustainability of the OTN initiative.

Activity ID: 10

Status: Ongoing

Activity Type: Activity

Project Goal: 3.3 Self Employment

Narrative: Expand training for entrepreneurship focus on professional/technical services for advanced manufacturing

Expected Start: 10/01/2014

Expected End: 09/30/2017

Actual Start: 01/01/2015

Actual End:

Notes: 05/14/2015: Spring Boots to Business program scheduled with SBDC team at Lorain County Community College.

08/13/2015: LCCC serves dislocated workers through DOLETA supported self-employment training initiative; will design strategies for sharing lessons learned. OTN collaborating to plan regional entrepreneurship event for Fall focused on diverse talent.

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11/12/2015: Rhodes SBDC and Columbus State considering replication of “Boots to Business” program; Sinclair maintenance training program also supports entrepreneurs; Fab Lab in development at Zane State will support entrepreneurship.

02/08/2016: ZSC completed their Fab Lab which will help entrepreneurs test ideas. CCC is creating a module-based online training for students interested in becoming small business owners. CSCC, ZSC, RSC, and LCCC are working with local SBDCs to launch programs.

05/13/2016: OTN schools continue to work with local Small Business Development Centers to develop entrepreneurship programs and talent planning sessions. CCC met with LCCC’s SBDC Director to share best practices. ZSC is planning a veteran entrepreneurship event.

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Deliverable ID: 1

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 1 Finalize evaluation plan

Narrative: Finalize evaluation plan with appropriate IRB approval

Expected Start: 10/01/2014

Expected End: 09/30/2017

Actual Start: 01/01/2015

Actual End:

Notes: 05/07/2015: Contracted with program evaluator and initiated development of delivery plan.

08/14/2015: The evaluation team of New Growth Group, working with the Ohio State University's OERC, the OTN project team, college partners, and the OH Dept of Jobs and Family Services, prepared the evaluation plan, which LCCC submitted to DOL on 5-15-15.

11/12/2015: The evaluation plan is complete and has been approved. Reviewer notes were received and are the focus of discussion with our evaluation team.

02/08/2016: OTN explored the need to seek IRB approval and LCCC determined that it is not required. OTN is working with partner schools that have additional questions on this matter.

05/13/2016: OTN is working with CSTCC to pursue IRB approval.

Deliverable ID: 2

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 2 Data Management System

Narrative: Common Data Management Systems in place

Expected Start: 10/01/2014

Expected End: 09/30/2017

Actual Start: 10/06/2014

Actual End:

Notes: 05/07/2015: Engaged local WIB as a partner and held preliminary conversations regarding use of Ohio's case management system.

08/13/2015: Met with local WIB partner to discuss data management and previewed OTN's special office in Ohio Workforce Case Management System (OWCMS); crosswalked data fields in the Participant Intake Form to fields in the OWCMS; drafted data sharing agreements.

11/12/2015: Data management systems are in place to consistently capture participant data. Work continues with State of Ohio and evaluation team to proceed on use of the states' case management system for OTN as part of a workforce transformation agenda.

02/08/2016: Data sharing agreements between consortium lead and partner colleges were executed. Work on data sharing agreement between consortium lead and Ohio Dept. of Job and Family Services was initiated.

05/13/2016: OTN continues to work to develop and execute a data sharing agreement between LCCC and Ohio Dept of Job and Family Services.

Deliverable ID: 3

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Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 3 Website launch

Narrative: Ohio Tech Net website launch

Expected Start: 10/01/2014

Expected End: 09/30/2017

Actual Start: 10/01/2014

Actual End:

Notes: 05/07/2015: Expanding use of SharePoint as a collaborative tool for consortium. Preliminary conversations regarding integrating this with public website.

08/14/2015: Communications plan was drafted. Website is a priority for Q4 and Q5.

11/12/2015: Compiling a request for bids for a consultant to help manage the communication plan and strategies for OTN, including development and management of strategies for the website launch.

02/08/2016: RFP was issued for communications consultant; consultant was selected and began to develop outreach/communications strategy.

05/13/2016: Website is currently under development, and expected to launch Q7.

Deliverable ID: 4

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 4 Benchmark report

Narrative: Benchmark report

Expected Start: 10/01/2014

Expected End: 09/30/2017

Actual Start: 01/01/2015

Actual End:

Notes: 05/07/2015: Conversations with Employer Engagement Specialist in support of CCWC meeting with college presidents in September 2015.

08/13/2015: Report in development.

11/12/2015: A partners meeting on PLA was held which will provide information for a benchmark/strategy report to be created by the contractor, CAEL.

02/08/2016: Survey to collect data for benchmark report for colleges' use of Competency Based Education was developed. In conjunction with our work with CAEL, OTN received PLA benchmarking for many of our partner schools.

05/13/2016: CBE survey distributed, and initial results analyzed. PLA benchmark survey is in development. OTN is researching the CBE and PLA programs developed in prior TAACCCT rounds as we integrate acceleration into program design.

Deliverable ID: 5

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 5 Inventory of Strategies

Narrative: Annual inventory of strategies adopted/replicated at partner colleges.

Expected Start: 06/30/2015

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Expected End: 09/30/2017

Actual Start: 06/16/2015

Actual End:

Notes: 08/14/2015: Work Team 2 launched. Annual inventory of strategies is in development. OTN is collaborating with LIFT (lightweight materials NNMI) to pilot Manufacturing Readiness Program at several partner schools.

11/12/2015: This was initially discussed in Q3. We created a baseline of information by creating a statement of work document for each partner college. Team 2 will continue work to compile ongoing data in Q5.

02/09/2016: The framework for the annual inventory will be completed in Q7, designed to easily summarize adopted strategies pulled from quarterly reports.

05/13/2016: OTN continued to develop framework for annual inventory of strategies. Strategies gathered will be shared on OTN website, as this launches.

Deliverable ID: 6

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 6 Toolkits

Narrative: Toolkits created or linked via Ohio TechNet site.

Expected Start: 06/30/2015

Expected End: 09/30/2017

Actual Start: 06/16/2015

Actual End:

Notes: 08/13/2015: Work Teams 1, 2, and 3 were launched, which will develop toolkits relevant to team goals.

11/12/2015: A toolkit for replication of Right Skills Now, an accelerated training model for machining, is in development. Other toolkits will be created over the course of the grant.

02/08/2016: Toolkits for Right Skills Now and data collection and reporting were developed, and distributed using SharePoint. They will be posted once the OTN website launches.

05/13/2016: OTN continues to develop toolkits. These will be posted on OTN website as developed, and as website is launched.

Deliverable ID: 7

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 7 AMCP web page

Narrative: Advanced Manufacturing Career Pathways web page updated in partnership with OMJ/Ed/Ind/Wkfc partners

Expected Start: 09/01/2015

Expected End: 09/30/2017

Actual Start: 06/15/2015

Actual End:

Notes: 08/14/2015: Partnership with state of Ohio and LIFT to launch Ohio Manufacturing Careers Council, led by manufacturing CEO's, will drive development of website.

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11/12/2015: OTN supported the launch of Ohio Manufacturing Careers Council, an industry-led initiative with 3 areas of focus: outreach/career awareness; skills/education; product commercialization. Career pathways mapping is part of this collaboration.

02/08/2016: OTN continued to work with LIFT, ODHE and OMCC to develop career pathways to be shared on the OTN and a planned OMCC website, linked with OhioMeansJobs. Communications consultant was also hired to lead the development of the OTN website.

05/13/2016: OTN is working with industry partners and Ohio Manufacturing Careers Council to identify career pathways, which can enhance the efforts currently underway at Ohio Dept of Education. ODE career pathways expert presented to OTN via webinar in Q6.

Deliverable ID: 8

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 8 State wide templates

Narrative: Templates and mats to support consistency in outreach, career advising, and employer engagement

Expected Start: 07/01/2015

Expected End: 09/30/2017

Actual Start: 06/16/2015

Actual End:

Notes: 08/13/2015: Work Team 3 was launched, which will support the adoption of consistency in outreach, career advising, and employer engagement by developing templates. CSTCC is ready to share the PTEC model and its tools and resources.

11/12/2015: A communications consultant is in process of being engaged to develop templates and materials. The Navigator Affinity Group launched which also supports consistency in advising. Employer engagement locally and via OMCC further supports this work.

02/08/2016: OTN adopted a new logo which aligns to Ohio's state branding. Communications consultant and graphic designer were hired, and began to create consistently branded outreach materials.

05/13/2016: Materials for employer engagement are in development. Processes for replication will be documented in Q7.

Deliverable ID: 9

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 9 Comparative Analysis

Narrative: System to enable analysis of tools/approaches by partners in completion, outcomes, employer satisfaction.

Expected Start: 10/01/2015

Expected End: 09/30/2017

Actual Start: 06/16/2015

Actual End:

Notes: 08/13/2015: Work Team 3 will create toolkits for employer engagement in intake, success, and placement.

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11/12/2015: Individual partner dashboards on participant results, as well as a single page summary of each college's focus or Statement of Work, have been created to allow for ongoing updates to schools and analysis of best practices for continuous improvement.

02/08/2016: Methodology of preliminary participant surveying was created, Employment Results Scorecard draft is under review, and the evaluation team conducted preliminary round of implementation evaluation interviews.

05/13/2016: Quarterly reports and data templates were modified to better collect information on programs and participants. OTN is working with the evaluation team to consolidate employer outcome tracking.

Deliverable ID: 10

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 10 Get Skills to Work

Narrative: Expanded adoption of Get Skills to Work and statewide tools for outreach/marketing

Expected Start: 06/01/2015

Expected End: 09/30/2017

Actual Start: 06/16/2015

Actual End:

Notes: 08/13/2015: Work Team 2 will develop tools for outreach materials for Get Skills to Work and Boots to Business. Planned July seminar with Brent Weil from The Manufacturing Institute with a focus on Get Skills to Work.

11/12/2015: Based on updated information, OTN is focusing on engagement and service to veterans in general, not only under the Get Skills to Work brand or model. Veteran outreach and acceleration strategies are a primary focus for OTN.

02/08/2016: LCCC received a \$20,000 grant from the Manufacturing Institute, funded by Lockheed Martin, to replicate a manufacturing readiness program for veterans. The model will be shared and refined with OTN partners as it is rolled out.

05/13/2016: LCCC has developed manufacturing readiness program, and plans to launch the first cohort in Q7. Outreach to veteran organizations is underway in order to include vets in this cohort.

Deliverable ID: 11

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 11 Safety enrollment system

Narrative: Dual enrollment system between OSH Training Institute coursework and community colleges established

Expected Start: 02/28/2015

Expected End: 09/30/2015

Actual Start: 02/15/2015

Actual End:

Notes: 05/07/2015: Preliminary discussions regarding scope of work for safety contractor.

08/14/2015: OTN contracted with subject matter experts to support project management related to deliverables for the safety education and training component, including engagement of industry

partners for a statewide advisory council related to this component.

11/12/2015: Statewide Safety Industry Council launched. Representatives from OSHA, industry, workers comp, and education attended. Q4 focus includes compliance with OSHA rules for use of OSHA Training Institute curriculum and OER rules for TAACCCT.

02/08/2016: 2-year Occupational Safety degree courses were identified that align to competencies required of safety professionals.

05/13/2016: OTN is re-evaluating its approach to achieving this goal and will continue dialogue with OTI and ETA along with our industry and educational partners.

Deliverable ID: 12

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 12 Safety Degree Pathway

Narrative: Articulated degree pathway and a professional certificate program

Expected Start: 02/28/2015

Expected End: 09/30/2017

Actual Start: 02/28/2015

Actual End:

Notes: 08/14/2015: Work Team 1, working with a statewide industry council comprised of subject matter experts, will assist in developing a Safety Degree Pathway.

11/12/2015: Statewide Safety Industry Council was launched to help design/create the Safety Career Pathway. Representatives from OSHA, industry, workers comp, and education attended. Partners also report embedding OSHA training into technical fields of study.

02/08/2016: Work on creation of 2-year Safety Degree is in process, driven by input of Statewide Safety Industry Council.

05/13/2016: OTN has developed the course outline for a 2-year Safety degree, and received LCCC curriculum council approval. Content development is underway and state/HLC approval will be pursued.

Deliverable ID: 13

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 13 Participant Outcomes

Narrative: Agreements in place with state and regional workforce leaders for coordinated tracking and reporting

Expected Start: 10/01/2014

Expected End: 09/30/2017

Actual Start: 01/01/2015

Actual End:

Notes: 03/20/2015: using Ohio's Workforce Case Management System

08/14/2015: OTN benefits from an extremely collaborative relationship that exists with our local WIB and state agencies. Our local WIB partner spearheads OTN's use of state systems for data management. This is critical to transformational change.

11/12/2015: Work continues with the State of Ohio and evaluation team to move forward on use of

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the states' case management system for Ohio TechNet as part of a workforce transformation agenda.
02/09/2016: Systems are in place for OTN to utilize the Ohio case management system; a data sharing agreement between Ohio Dept. of Job and Family Services and LCCC is in development.
05/13/2016: OTN continued to work with Ohio Dept of Job and Family Services to develop and execute data sharing agreement which will allow usage of the Ohio Workforce Case Management System to track OTN data.

Deliverable ID: 14

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 14 Best Practices Repository

Narrative: Repository of Ohio best practices and technical assistance

Expected Start: 06/30/2015

Expected End: 09/30/2017

Actual Start: 06/16/2015

Actual End:

Notes: 08/13/2015: Work Teams will research best-practices relevant to team goals. During successful June Collaboration Meeting with consortium partners, resource sharing took place. Partners volunteered to develop repository.

11/12/2015: OTN uses SharePoint to share information, templates, best practices and links to important technical assistance. The OTN website will be an additional resource to share information with a broader audience, and OMCC is anticipated to complement this.

02/09/2016: OTN uses SharePoint as repository. To reach more colleges and career tech centers, OTN is working with the Talent Development Network to offer workshops at an April '16 conference. The OTN website and social media tools will further expand access.

05/13/2016: OTN continued to use SharePoint as a repository for best practices and technical assistance.

Deliverable ID: 15

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 15 Replicate Boots-to-Biz

Narrative: Replicate Boots to Business SBDC program

Expected Start: 10/01/2015

Expected End: 09/30/2017

Actual Start: 01/05/2015

Actual End:

Notes: 08/14/2015: Work Team 2 will develop tools for outreach for Boots to Business. A spring Boots to Business workshop organized by LCCC with the SBDC was postponed due to low enrollment. LCCC is working to revise outreach strategies with veteran agencies.

11/12/2015: Rhodes State SBDC and Columbus State are looking to replicate Boots to Business program.

02/08/2016: Columbus State is reviewing opportunities to replicate Boots to Business and Zane State is planning a Boots to Business event which will take place in May 2016.

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05/13/2016: CSCC and LCCC continued to work with local SBDC's to determine steps for the replication of a Boots to Business type of program. ZSC continued to work with local SBDC to plan Reboot for Business event.

Deliverable ID: 16

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 16 Maker Movement White Paper

Narrative: White paper on Maker Movement initiative and implications for TAA/veterans pursuing self employment.

Expected Start: 10/01/2015

Expected End: 09/30/2017

Actual Start: 06/16/2015

Actual End:

Notes: 08/13/2015: Work Team 3 was launched and will support this deliverable. This team is charged to create a Maker Movement white paper. LCCC launched plan to host Ohio Makes conference in October 2015.

11/12/2015: Fab Lab in development at Zane. LCCC in process of expanding Advanced Technology Center to include Additive Mfg Lab and Digital Processes. Models from CCC's previous TAACCCT investment to create an additive manufacturing center leveraged.

02/08/2016: OTN has convened experts from partner schools to help develop this white paper.

05/13/2016: OTN continued to collect information to be used in this White paper.

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Quarter Ending: 03/31/2016

E. Status of Progress and Implementation Measures

No strategies recorded

F. Key Issues and Technical Assistance Needs

Title	Description
New Management	4 new project managers were hired in Q6. The lead team provided orientation and technical assistance to help on-board new project managers, which alleviated challenges created by these staff changes.
Case Management System	Integration with the Ohio Workforce Case Management System has been a challenge. Concerns include data destruction requirements when using a public system. OTN FPO provided guidance allowing us to move forward. OTN is hoping to finalize data sharing agreement with ODJFS soon.
Obtaining Signatures	LCCC faced difficulty in participant recruitment, as students were hesitant to complete intake forms. Addressing this creatively, LCCC began to provide participant incentives, entering participant names in a drawing for items such as: donated gift cards, priority registration, and event vouchers.

G. Best Practices, Promising New Strategies and Success Stories

Best Practices and Promising New Strategies

1 Collaboration with NNMI's

Key to the sustainability of OTN's success is building relationships with national and regional leaders. OTN is launching pilot programs with the support of LIFT. Additionally, AmericaMakes, NextFlex and DMDII are interested in exploring opportunities to intersect with OTN's work. OTN is poised to connect industry, academia, and government partners to leverage existing resources, collaborating and co-investing to nurture manufacturing innovation and accelerate commercialization.

2 Employer Engagement

With LCCC's pilot of TRAIN OH, a successful approach to employer engagement was uncovered. To gain support, employers were gathered into an initial information session and then met with individually at their workplaces. The employers were appreciative that LCCC came to them, and it allowed LCCC staff to assess needs by meeting with front line supervisors, HR staff, and upper management.

3 Student Navigation

OTN schools have polished the student navigation approach. SSC launched a Navigator Newsletter to provide participants with relevant information regarding the grant, institutional resources, and upcoming events. CCC encourages participants to meet with Career Coach/Navigator bi-weekly, providing resources for soft skill development, resume writing, and interviewing. These investments will help participants identify and address any barriers to employment that may exist.

4 Curriculum and Employer Needs

LCC's curriculum committee has approved curriculum changes to align courses more closely to industry needs. These changes have been incorporated into the Under 1 Year Certificate and Degree for Welding. Given the depth and scope of select topics, existing courses were divided into separate courses. Others were added or eliminated based on their workplace applicability. Finally, AWS certification course requirements have been reduced from 12 to 6 courses and lab time has been extended.

5 Equipment Efficiency

OTN schools leveraged expanded capabilities of their equipment and facilities. LCCC used welding lab to cut their own practice/testing materials to increase lab efficiency. CCC used welders to function as 3D printers. SSC provided acceptable logistics for companies looking to review or revise their training needs by utilizing SSC facilities.

Success Stories

1 Acceleration and Advancement

Before participating in CCC's Fast Track Welding Bootcamp Program, Mr. B was working in unskilled labor earning \$10/hr. Without previous experience, Mr. B excelled at welding, earning 3 AWS certifications and landing an internship. Since starting the internship, Mr. B has been hired on full-time with a pay raise, now earning \$17/hr. Mr. B stated, "The entire experience has changed my life one hundred times over and I can finally say I have a career that will take me all over the world."

2 Accelerate MFG

Two ambitious SCC students completed a semester course in 4 weeks. Content was delivered in online modules, allowing students to bypass topics they already knew. SCC is piloting 3 accelerated courses, with plans to offer 3 more. Students will be able to complete a Short-Term Certificate in Basic Machining without the constraints of a traditional classroom. SCC believes the Accelerate MFG program will allow more employed workers to pursue a certificate around their work schedule.

3 Apprenticeships Expand

RSC has been actively engaged in apprenticeship programs that support local industries since 2012, growing from 39 apprentices in 2012 to 158 projected apprentice students beginning Fall 2016. This TAACCCT grant has funded the development of new Tool & Die curriculum, allowing RSC students to earn a Tool & Die certificate and expanding RSC's repertoire of apprenticeships. These credentials will assist our grant participants and completers in filling jobs in this in-demand field.

4 Employer Engagement Increases

OTN has grown from 47 initial employer partners to more than 170 employers to develop programs to fill the skills gap in Ohio. Enhanced employer relationships led to LCC partnering with Bessey

Tools to develop a Career Awareness video, SCC creating a video to promote MFG Day, LCCC hosting an 8-employer career panel and developing a second Right Skills Now cohort, an increase in hiring throughout the consortium and continuing Ohio Manufacturing Careers Council work underway with LIFT and ODHE.

5 May Graduate Advances

Mr. C took a full-time job after graduating high school. He quickly realized, however, that he wouldn't advance without a college degree. The ISET and Welding programs at ZSC, fueled by the OTN grant, provided him the training to progress. Mr. C graduates in May, and will take a full-time position at ACI Services. He appreciates all that the OTN grant has supplied to ZSC, including the chance to work with new equipment.

H. Additional Outcome Information

OTN partners are already thinking about sustainability. A discussion with Ohio community college Presidents scheduled for May will focus on lessons learned from TAACCCT investments in Ohio. Ohio, through collaboration with the Ohio Department of Higher Education and Ohio Association of Community Colleges (OACC), is also taking a leadership role in Student Success, which includes focused attention on the adult learner. OACC is playing a role in replicating successful practices honed by three colleges in Ohio (Lorain, Stark and Sinclair) through Completion by Design, a 5-year initiative funded by the Bill and Melinda Gates Foundation.