

Minnesota P.I.P.E.L.I.N.E. Project

Private Investment, Public Education, Labor & Industry Experience

Welcome!

Information Technology Industry Council



Introductions

- Name
- Organization
- Favorite Halloween Costume or Candy

Agenda

- **Welcome & Introductions**
- **PIPELINE Project Status**
- **Overview of Dual-Training System in Minnesota**
- **Selection of 3 I.T. Occupations**
- **Identification of Occupational Experts**
- **Next Steps**

PIPELINE Project Status Objectives

- ❑ Develop and enhance MN skilled workforce
- ❑ Catalyst to expand the dual-training system
- ❑ Voluntary participation from industry leaders

PIPELINE Project Status

Project Goals

- Select 3 occupations per industry
- Develop or document competency standards for each identified occupation with industry experts
- Identification of models to deliver dual-training
- Engagement of industry sectors
- Report on MN PIPELINE Project: findings, progress, success, and recommendations



Milestones	Understanding the Requirements of the Industry	Gathering Information and Decision Making	Recommendations and Next Steps for the MN PIPELINE Project	Submit Legislative Report
Timeline	August 18, 2014	October 21, 2014	November 10, 2014	January 15, 2015
Deliverables	<ul style="list-style-type: none"> • Convened Industry Council. • Reviewed project objectives & timeline. • Identified the occupational gaps in the Industry and explored the required abilities, knowledge & technical skills. 	<ul style="list-style-type: none"> • Select 3 occupations by industry council. • Identify experts or resources to develop or validate competences in each selected occupation. • Discussion on Dual-Training in Minnesota. 	<ul style="list-style-type: none"> • Explore specific delivery models for dual-training system . • Recommendations on implementing dual-training for industry and each occupation. • Identify next steps for MN PIPELINE Project and dual-training in Minnesota 	<ul style="list-style-type: none"> • Report on MN PIPELINE Project: findings, progress, success, and recommendations
Communications	Session summary	Session summary	Session summary & Draft Report	Report

PIPELINE Project Status

Today's Goals

- Select 3 IT occupations
- Identify occupational industry experts for each IT selected occupation.

PIPELINE Project Status



Overview of Dual-Training in Minnesota

❑ Apprentices and Sponsors

❑ 8,200 Apprentices

❑ 294 Sponsors include unions, employer associations, and individual employers

❑ All registered apprenticeships programs in Minnesota are approved by the Minnesota Department of Labor and Industry



Overview of Dual-Training in United States

❑ Dual-Training Components

- ❑ All participants are employees of a sponsoring employer
- ❑ Participants receive related instruction (classroom training)
- ❑ Participants receive work process instruction (on the job)

Overview of Dual-Training in United States

Dual-Training:	Registered Apprenticeship:
Dual-Trainee is an employee of Participating Employer	Registered Apprentice is an employee of Sponsoring Employer
Work process – A description of on-the-job training	Work process – 2,000 hours per year or equivalent
Related Technical Instruction– A description of the coursework the dual-trainee will complete	Related Technical Instruction– 144 hours per year or equivalent
	Safety training – 50 hours per year
	Progressive wage schedule
	State issued completion certificate

Overview of Dual-Training in United States

Dual-Training Drivers

- Single Employer with customized training provider
- Multi-Employer & Labor joint programs
- Education driven with Multi-Employer participation
- Industry Association with Multi-Employer participation
- Other

Overview of Dual-Training in United States

Dual-Training Delivery:

- Time Based

- Specified number of hours to be spent in work and training

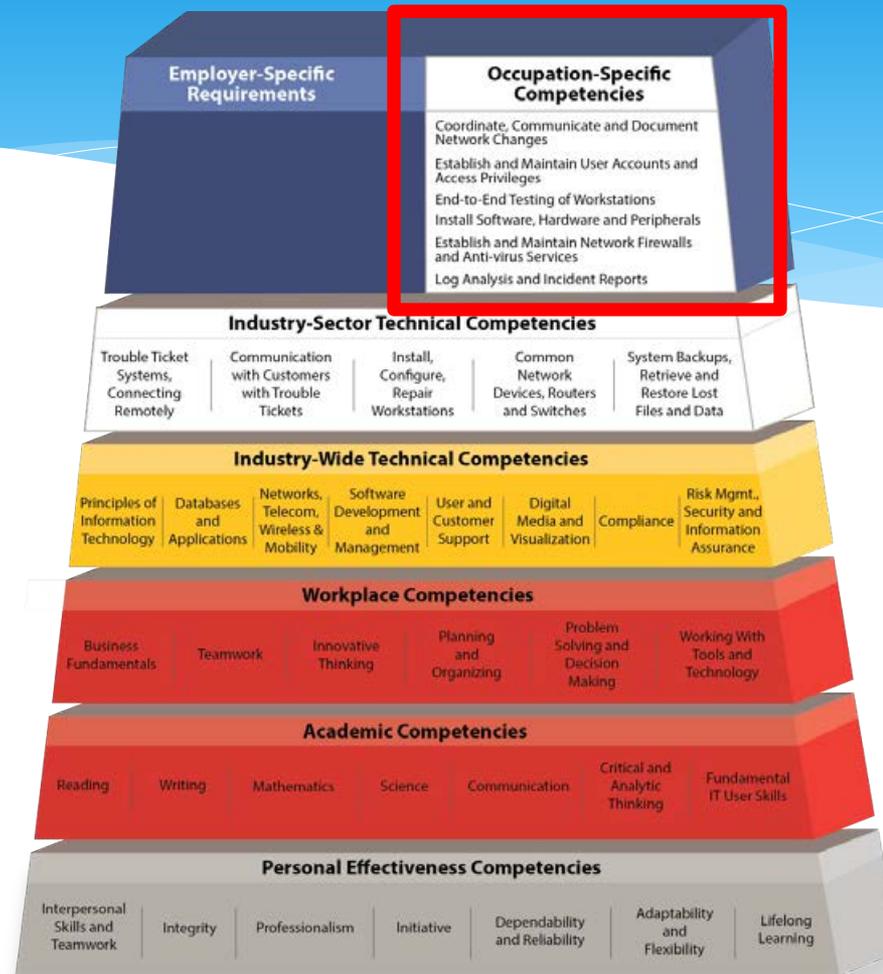
- Competency Based

- Assessments and certifications as skills are developed

- Hybrid

- Combination of time and competency based

Network Support Technician



Selection of IT Services Occupations

- Review selection process

- Top 6 IT occupations identified:
 - Software Developers
 - Web Developers
 - Computer Users Support Specialists
 - I.T. Services Analyst
 - Service Desk/Front Line Support
 - Security Analyst/Information Security

Identification of Occupational Experts

Next Steps

Meeting 3:

- ❑ Logistics

- ❑ Monday, November 10th

- ❑ 9:00 a.m. – 11:00 a.m.

- ❑ Department of Labor and Industry

- ❑ Outcomes

- ❑ Explore specific delivery models for dual-training system

- ❑ Recommendations on implementing dual-training for industry and each occupation

- ❑ Identify next steps for MN PIPELINE project and dual-training in Minnesota



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Thank you!

Information Technology

Industry Council

