



National Business and Industry Leadership Team (BILT) Meeting for Networking and Convergence Technology

February 13, 2018

Rules of Engagement

- * **Mute your phone** if you're not talking – on WebEx, that's *6.
- * You have to **pick an audio channel** – you can't listen on your phone and also listen through your computer. That creates an echo and you will be muted.
- * **Do not put us on hold** – we prefer to not hear your hold music.
- * Feel free to speak up, but always **say your name** so everyone knows who's speaking.
- * We'll be monitoring the WebEx "**Chat**" tool for questions (it may be closed by default). Send your chat comments and questions to the Host. Do not send messages to us via e-mail.

AGENDA

Welcome and roll call

Trends

CTC updates

“Tiger Team” for programming/scripting

2003 Texas Skills Standards discussion

Look ahead to May 8 KSA meeting



Welcome and roll call

Trends

Requests from the Tricider polls:

AI and machine learning

Internet of Things

Blockchain

Azure and AWS

Competency-based education

Soft skills

Google IT Professional certificate

CTC updates

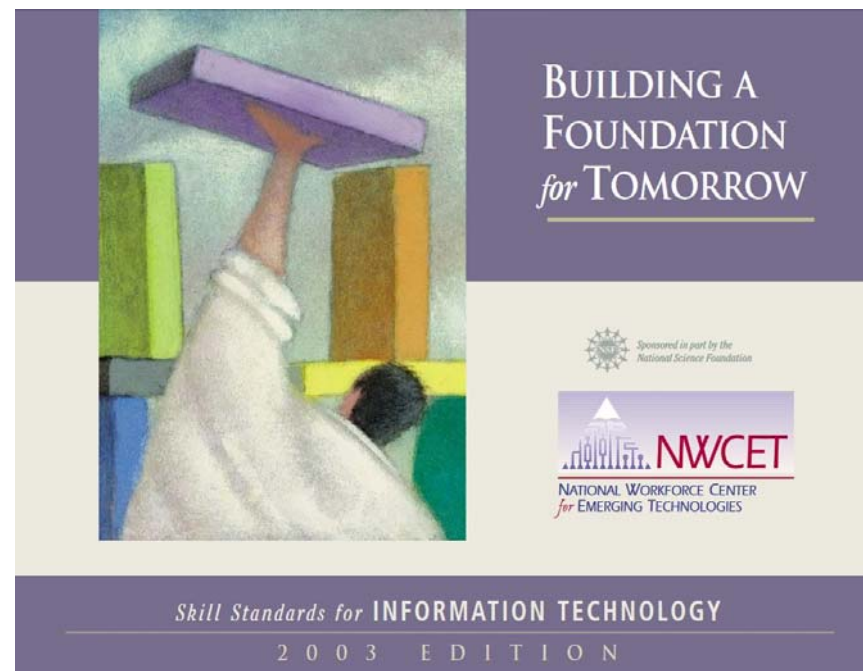
Student portfolios

Hybrid cloud capstone “Tiger Team”



“Tiger Team” for programming and scripting

Texas Skills Standard update



Texas Skills Standard update

Question... should these specific IT job/skills cluster remain in the next Skills Standard revision?

Texas Skills Standard update

Question... should these specific IT job/skills cluster remain in the next Skills Standard revision?

Database Development and Administration

Analyze/design database, develop/implement database, perform admin/maintenance, provide data assurance, provide client/user services, perform database test

Yes? No? Any changes/edits needed?

Texas Skills Standard update

Question... should these specific IT job/skills cluster remain in the next Skills Standard revision?

Digital Media

Perform analysis, provide visual/functional design, perform media productions/acquisition, implement design, test and deliver product

Yes? No? Any changes/edits needed?

Texas Skills Standard update

Question... should these specific IT job/skills cluster remain in the next Skills Standard revision?

Enterprise Systems Analysis and Integration

Define customer requirements, determine solutions for new/existing problems, provide strategic direction for systems configuration/interoperability, provide high-level tech management, implement systems, manage systems quality assurance and testing

Yes? No? Any changes/edits needed?

Texas Skills Standard update

Question... should these specific IT job/skills cluster remain in the next Skills Standard revision?

Network Design and Administration

Perform analysis, design network, configure/deploy network, perform testing, manage network, maintain network and manage growth, perform security administration

Yes? No? Any changes/edits needed?

Texas Skills Standard update

Question... should these specific IT job/skills cluster remain in the next Skills Standard revision?

Programming/Software Engineering

Perform analysis, develop structure, design/develop program, implement program, test and validate program, release product

Yes? No? Any changes/edits needed?

Texas Skills Standard update

Question... should these specific IT job/skills cluster remain in the next Skills Standard revision?

Technical Support

Perform troubleshooting; provide facilitation and customer service; perform hardware/software installation, configuration, upgrades, and network support; perform system operations, monitoring, and maintenance

Yes? No? Any changes/edits needed?

Texas Skills Standard update

Question... should these specific IT job/skills cluster remain in the next Skills Standard revision?

Technical Writing

Analyze project requirements, perform research, design document, develop and write document, publish and package

Yes? No? Any changes/edits needed?

Texas Skills Standard update

Question... should these specific IT job/skills cluster remain in the next Skills Standard revision?

Web Development and Administration

Perform technical analysis; perform web programming, develop, deliver, manage content; implement and maintain site and apps; manage web environment; manage enterprise-wide web activities; perform testing and quality assurance; develop and implement web database

Yes? No? Any changes/edits needed?

Texas Skills Standard update

Question... should these specific IT job/skills cluster remain in the next Skills Standard revision?

Cybersecurity

Provide data/information assurance; ensure infrastructure and network security; develop, manage, enforce security policies; perform security education and training; develop and implement physical security, deterrence, and detection; perform system design and analysis

Yes? No? Any changes/edits needed?

Texas Skills Standard update

Question... should these specific IT job/skills cluster remain in the next Skills Standard revision?

Project Management/Problem Solving

Yes? No? Any changes/edits needed?

Texas Skills Standard update

Question... do these IT jobs and skills clusters cover the right topics? Are we missing any?

- Database Development and Administration
- Digital Media
- Enterprise Systems Analysis and Integration
- Network Design and Administration
- Programming/Software Engineering
- Technical Support
- Technical Writing
- Web Development and Administration
- Cybersecurity
- Project Management



Look ahead to May 8 KSA meeting

Tricider poll update

- * Posted on the BILT LinkedIn group page
- * Fulfilling Nov 2016 BILT request to build community and dialogue outside the meetings
- * Now posting Tricider polls once a month to boost engagement
- * Sending more frequent reminders

Tricider poll responses

“For the BILT members, how do you expect the IT landscape to change in 2018?”

- * *Increased IoT connections in the home (smarter, more interconnected)*
- * *EU General Data Protection Regulations go into effect - and many businesses are not prepared to address the data management challenges presented by this stringent regulation that may have global impact*
- * *Human-machine partnerships (Dell white paper: dell.to/2B3374y)*

“For the educators, how do you expect your IT program or courses to change in 2018”

- * *Focusing on AI*
- * *Stronger focus on security*

Thank you!

Next BILT meeting: Tuesday, May 8, 2018

KSA validations

8:30am-2:00pm Central Preston Ridge campus – Frisco, Texas
also via WebEx

don't forget the monthly Tricider polls on our BILT LinkedIn page



This material is based upon work supported by the National Science Foundation under Grant No. 1700530. Any opinions, findings and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.