Agenda

State of Play – nature of the skills gap

Responses to skills gap

Emerging employment trends

Employment challenges

Implications for Intelligence education
Cybersecurity 2016
State of Play

Statement for the Record
Worldwide Threat Assessment of the US Intelligence Community
Senate Select Committee on Intelligence

James R. Clapper
Director of National Intelligence
February 9, 2016
State of Play

By 2017 – shortage of “no less than two million cybersecurity professionals”

By 2020 – shortage will remain at 1.5 million

Forbes – Cybersecurity market will **double in size** by 2020, from $75 billion in 2015 to $170 billion by 2020

2016 Raytheon survey – **demand** for cybersecurity professionals **growing** 3.5 times faster than the IT market, and **12 times faster** than the total labour market
Responses to the skills gap

Industry and Government Partnerships with Education/Training Providers
Responses to the skills gap

IDENTIFYING AMERICA’S
NEXT GENERATION
OF CYBERSECURITY
PROFESSIONALS

Cyber Security Challenge
Australia

Building the next generation of Australian cyber security professionals
Responses to the skills gap

Intelligence Community partnering with Universities:

NSA’s Cyber Operations Program, expanded in 2014 by the NSA in conjunction with the Department of Homeland Security (DHS) to include 44 institutions designated as National Centers of Academic Excellence in Information Assurance and Cyber Defense.

2016 World Economic Forum – theme was “Fourth Industrial Revolution“

The report “Amplifying Human Potential” was released at the Forum. The report reiterated the importance of education — that “through education, there is an unassailable opportunity to prepare everyone for such a change.”
Responses to the skills gap

2016 – FBI releases “Next Gen” report

2015 - UK’s National Cyber Security Plan
Emerging Employment Trends

Obama and Cameron: Arm-in-Arm on Cybersecurity
“Cheltenham is not much like San Francisco. If you’re a techie, this might not be the first place you would want to come.”

GCHQ’s Head of Personnel, 2015
Implications – Intelligence Education

Unique window of opportunity for our students
Closing the Cyber Security Skills Gap

http://www.salusjournal.com/issues/

Thank you

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