RSAConference2018

San Francisco | April 16 – 20 | Moscone Center

NOW MATTERS

SESSION ID: AST3-R02

THE LIFE AND TIMES OF CYBERSECURITY PROFESSIONALS

Jon Oltsik

Senior Principal Analyst
Enterprise Strategy Group
@joltsik

Candy Alexander, CISSP CISM

International Board Director
ISSA International
@NH_Candy

Project Overview

- **Second annual project and report**
- **343 completed online surveys** with information security and IT professionals from ISSA member list (and beyond)
- Small/small midmarket (less than 500 employees), large midmarket (500 to 999 employees) and enterprise organizations (1,000 or more employees) in North America, Europe, Central/South America, Africa and Asia
  - 33% small/small midmarket, 8% large midmarket, 59% enterprise
  - 85% North America, 15% other
- **Multiple industry verticals including** information technology, financial, government and business services

Cybersecurity Challenges

29%

The cybersecurity staff is understaffed for the size of my organization

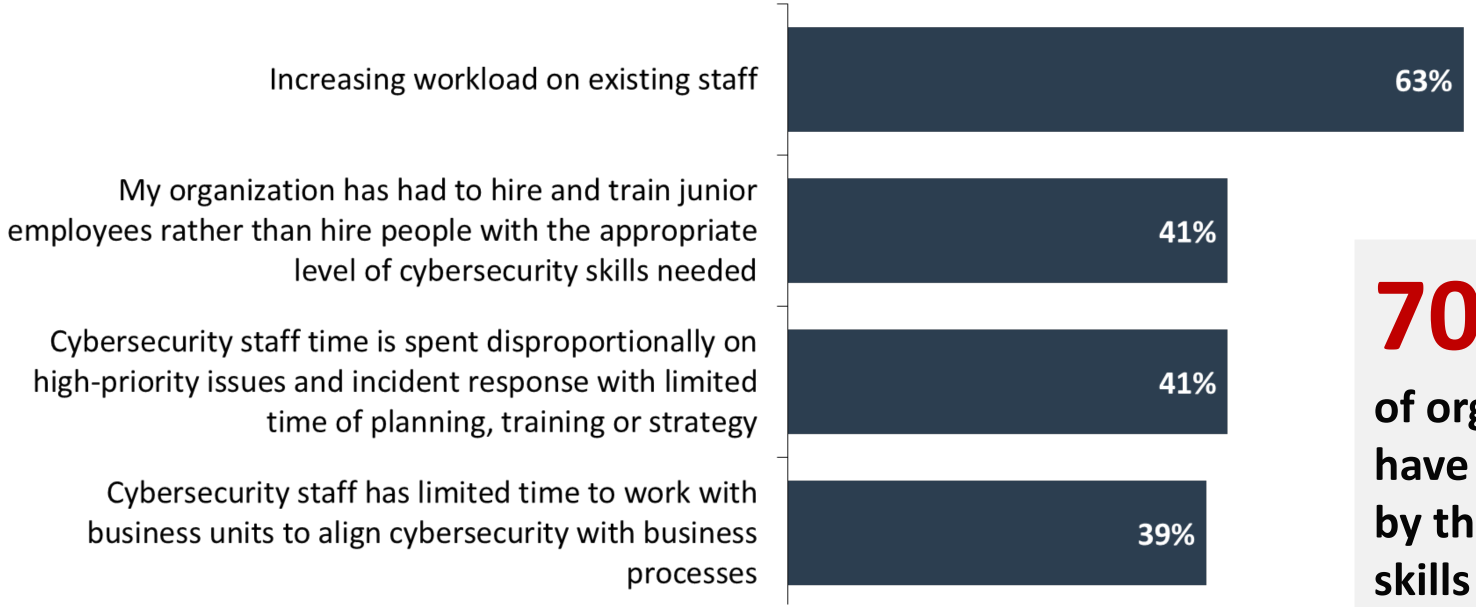
28%

My organization depends upon too many manual and/or informal processes for cybersecurity

24%

Business managers don’t understand and/or support an appropriate level of cybersecurity

The Cybersecurity Skills Shortage

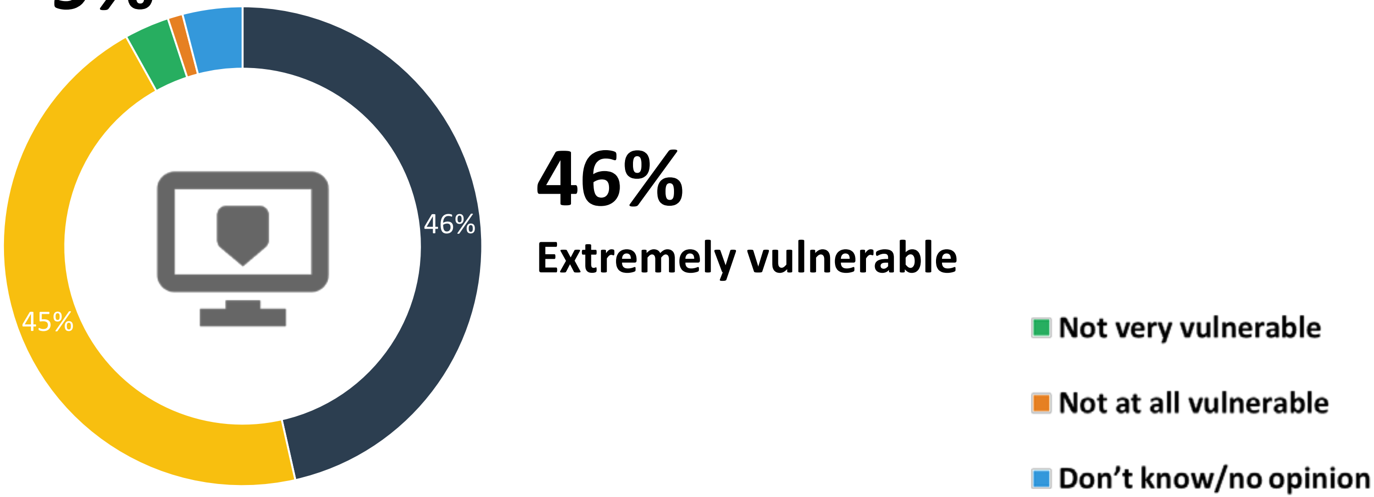


70%

of organizations have been impacted by the cybersecurity skills shortage

Widespread Vulnerabilities

In your opinion, how vulnerable are most organizations (other than your own) to a significant cyber-attack or data breach (i.e., one that disrupts business processes or leads to theft of sensitive data)?



9%

45%
Somewhat vulnerable

46%
Extremely vulnerable

Cybersecurity Professionals’ Opinions

96% AGREE

Cybersecurity professionals must keep up with their skills or the organizations they work for are at a significant disadvantage against today’s cyber-adversaries

61% AGREE

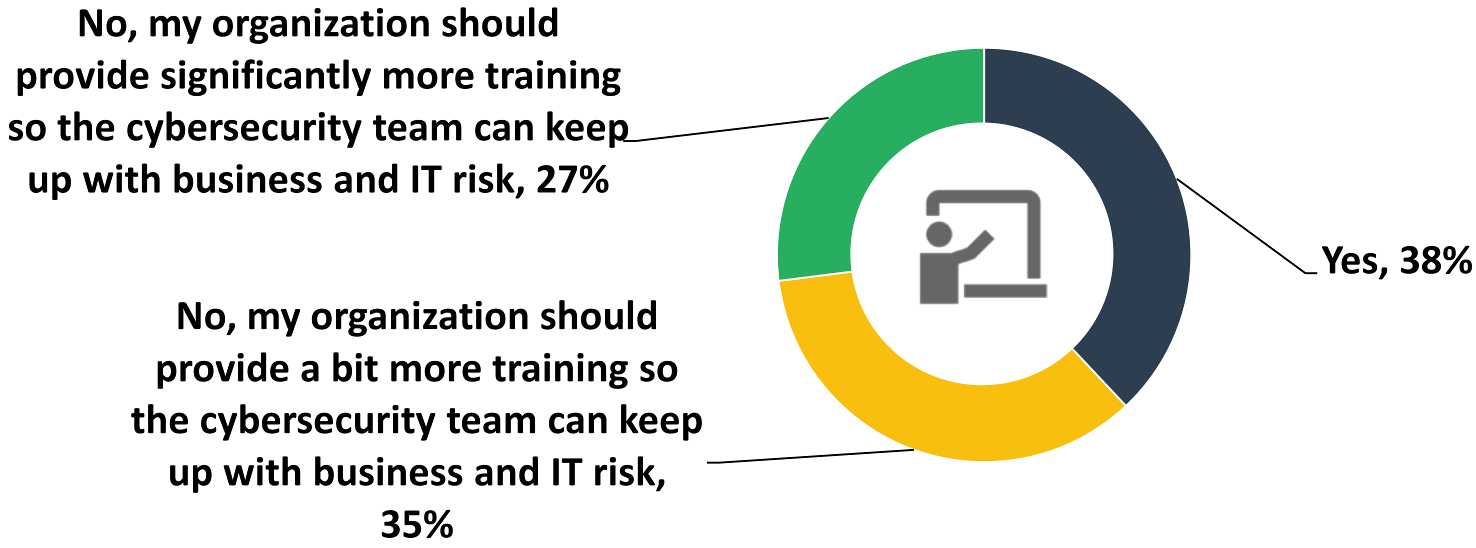
Security certifications are far more useful for getting a job than they are for doing a job

59% AGREE

To my knowledge, there are no standards for or agreement on cybersecurity job titles and responsibilities in the industry

Training Levels

In your opinion, does your current employer provide the cybersecurity team with the right level of training in order for them to keep up with business and IT risk? (Percent of respondents, N=343)



Job Satisfaction

Which of the following are the biggest factors determining job satisfaction for you?

42%

Competitive or industry leading financial compensation

38%

Organization provides support and financial incentives enabling cybersecurity staff to advance their careers

37%

Business management's commitment to strong cybersecurity

34%

The ability to work with a highly-skilled and talented cybersecurity staff

30%

Organization provides opportunities for career advancements and promotions

Career Success Factors

As a former IT professional, which of the following were most helpful when you moved on to a career as a cybersecurity professional?

57%

Networking and/or other infrastructure knowledge and skills

52%

IT operations knowledge and skills

51%

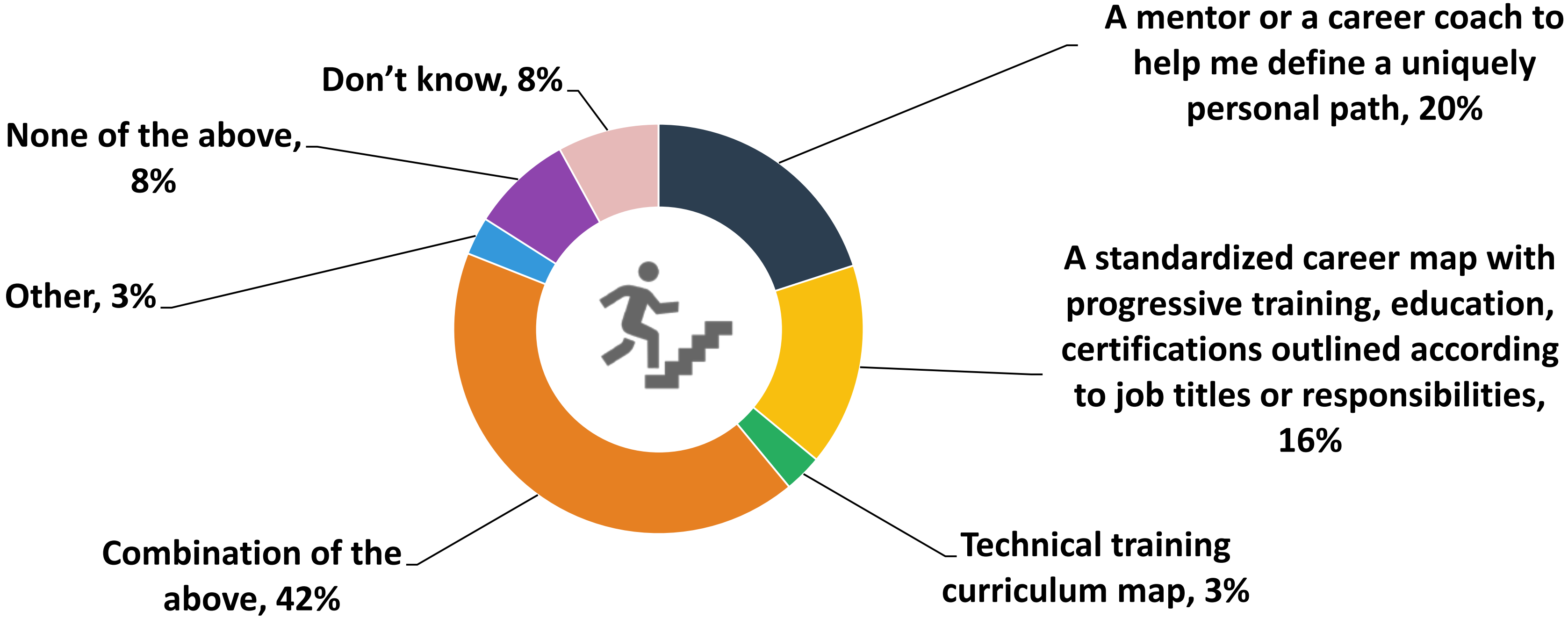
Gaining experience with different types of technologies and/or applications

31%

Collaboration between IT and business units on IT initiatives

Career Advancement

Which of the following would be the most helpful in getting to the next level career-wise? (Percent of respondents, N=231)



KSAs

76%

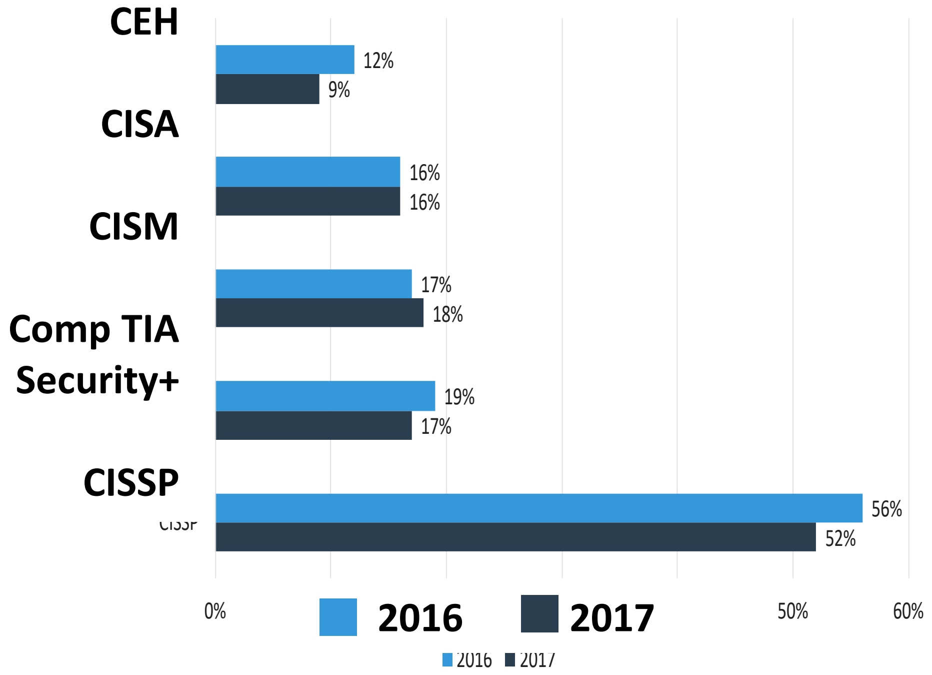
Attending specific cybersecurity training courses

71%

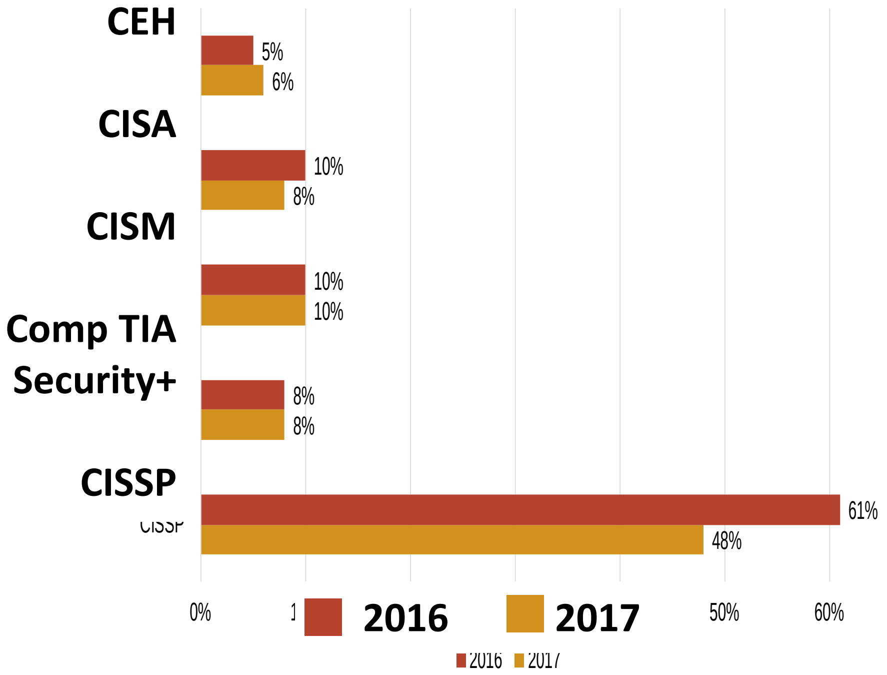
Participating in professional organizations and events

Certification Value

Certifications achieved



Certifications important in getting job



Skills Shortages and Opportunities

31%

Security analysis and investigations

31%

Application security

29%

Cloud computing security

Future Actions

43%

Add cybersecurity goals as metrics to IT and business managers

41%

Document and formalize all cybersecurity processes

36%

Make organizational changes so that the cybersecurity and IT departments have the right tools and compensation

35%

Provide more cybersecurity training to infosec and IT teams

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THANK YOU!

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