

9:45 a.m. – 10:15 a.m.

How Good is Your Cyber Athlete? Using Competency-Based Assessment in Virtual Live Lab Environments to Measure Cyber Defense Skills

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Comtech has been a market leader in cybersecurity training for many years, training the Defense Departments cyber warriors. From that experience, we have developed substantial core expertise in cybersecurity subject matter with real-world hands on knowledge and the capability to teach those topics to personnel of all skill levels, whether it be to someone with an interest in entering the cybersecurity career path or seeking professional development. Using that expertise, we have developed a technology that lets us measure the actual skill sets of individual cyber athletes, aligned specifically to their job roles. We answer the question, How good is my team? & the same question looming for anyone in leadership with a team of cyber athletes assigned to protect its enterprise from threats.

With the CYBRScore" Skills Assessment product line, our highly-experienced cybersecurity training personnel created real-world scenarios that challenge and evaluate the cybersecurity athlete. CYBRScore" Skills Assessments provide a quantitative measurement of performance, using practical, hands-on scenarios in real lab environments to evaluate job-role competencies, knowledge, skills, and abilities defined in the National Institute of Standards, National Initiative for Cybersecurity Education (NICE) Cybersecurity Workforce Framework. The assessment details an overall score with individual skill breakdown and provides targeted recommendations for training to improve the skill areas that need augmentation. Our Skills Assessments allow enterprises to focus training investments for the highest impact.

Comtech s CYBRScore" Skills Assessment uses the knowledge, skills, and abilities (KSAs) of the NICE Cybersecurity Workforce Framework (NCWF1) as the basis of the workforce assessment. NICE developed the NCWF to define the cybersecurity workforce and provide a common taxonomy and

lexicon by which to classify and categorize workers. The Workforce Framework lists and defines over 30 specialty areas and 50 work roles that comprise of cybersecurity work and provides a description of each. Each of the types of work is placed into one of seven overall categories. The NCWF also identifies common tasks and KSAs associated with each work role. The NCWF can be used by the private, public, and academic sectors to describe cybersecurity work and workforces, and related education, training, and professional development.