NCPC
NATIONAL CYBERSECURITY PREPAREDNESS CONSORTIUM™

ANNUAL REPORT
2015

CIAS
CENTER FOR INFRASTRUCTURE
ASSURANCE AND SECURITY
U T S A

THE UNIVERSITY OF
MEMPHIS®
Center for Information Assurance

TEXAS A&M ENGINEERING
TEEX
EXTENSION SERVICE

NATIONAL EMERGENCY
RESPONSE AND RESCUE
TRAINING CENTER®

NUARI
1819
Norwich University Applied Research Institutes

U of A
UNIVERSITY OF ARKANSAS SYSTEM
CRIMINAL JUSTICE INSTITUTE

NATIONAL CYBERSECURITY PREPAREDNESS CONSORTIUM™

Helping Secure the
Nation's Cyber Infrastructure
One Community at a Time

NCPC Mission

The mission of the NCPC is to provide research-based, cybersecurity-related training, excercises, and technical assistance to local jurisdictions, counties, states, and the private sector.

NCPC Experience

As early as 2004, in partnership with DHS/FEMA, the individual members of the NCPC have developed and delivered DHS/FEMA certified online and face-to-face training courses to an array of states, counties, local jurisdictions, and critical infrastructure components nationwide addressing cyber security and cyber terrorism concerns.

Membership

- The Center for Infrastructure Assurance and Security **(CIAS)** at the University of Texas, San Antonio

- The Criminal Justice Institute **(CJI)**, University of Arkansas System

- The University of Memphis, Center for Information Assurance **(CfIA)**

- Norwich University Applied Research Institutes **(NUARI)**

- The Texas A&M Engineering Extension Service/National Emergency Response and Rescue Training Center **(TEEX/NERRTC)**.

Research, Training, and Technical Assistance Philosophy

Utilizing the *Community Cyber Security Maturity Model (CCSMM)* as its core rubric, the NCPC endeavors to provide a well-coordinated, focused and threat-responsive long-term national capability based on applicable DHS doctrine in support of the National Preparedness Goal. In addition, the NCPC will ensure its continued relevance and value to national preparedness efforts through its customer-focused contact and communication and by correlating its comprehensive efforts to the annual *National Preparedness Report.*

NCPC TRAINING PARTNERS

Center for Infrastructure Assurance and Security

The Center for Infrastructure Assurance and Security (CIAS) was recognized in 2014 by the Ponemon Institute as the nation's top educational institution for Cybersecurity education, research, and training programs. The CIAS developed the Community Cyber Security Maturity Model (CCSMM) upon which the NCPC is based. The CIAS has worked with states and communities to conduct cybersecurity training, exercises, workshops, and seminars for over a decade. It is expanding its training expertise into the web-based training arena, and has participated in cybersecurity exercises at the sector and national level as well. The CIAS is also responsible for the National Collegiate Cyber Defense Competition (NCCDC) program, as well as the CyberPatriot program for Middle Schools and High Schools and other competition efforts. The CIAS developed five courses that have been evaluated and accepted as part of the official DHS/FEMA National Training and Education Division (NTED) catalog.

Criminal Justice Institute

The Criminal Justice Institute's (CJI) Cyberterrorism Defense Initiative (CDI) is a national counter-cyberterrorism training program for technical personnel responsible for securing our nation's critical cyber infrastructure, and who are first responders to any type of cyber-based attack. CJI has developed four technical level courses since 2004 and delivered 271 classes to 4,950 technical personnel in 32 states. Each course incorporates instructor-led classroom lectures with hands-on computer applications through the use of a mobile computer training lab. The training enhances the abilities of cyber first responders to prevent, protect against, respond to, or recover from any type of cyber-based attack.

Many students [in the 5-day Cyber Terrorism Defense Training] felt the hands-on lab work was the most valuable aspect of the training. My office has received numerous requests to invite the team back for another round of training.

Elayne Starkey
State of Delaware
Department of Technology and Information

Center for Information Assurance

THE UNIVERSITY OF MEMPHIS
Center for Information Assurance

The Center for Information Assurance (CfIA) is dedicated to providing world-class research, training, and career development for Information Assurance (IA) professionals and students alike by organizing community events, special purpose conferences, and vendor specific training programs. The CfIA at the University of Memphis is at the forefront of research, education, and outreach on IA in the Mid-South region. Featuring collaboration among multiple academic disciplines, community colleges, and industry, the CfIA provides a range of program offerings in the critical realm of cybersecurity and IA. The University of Memphis currently offers two graduate certificate programs in IA, one in Computer Science and one in Business Information Assurance. The center is particularly noted for its development of a multi-track, multi-level, online cybersecurity training program, including 10 web-based DHS/FEMA certified courses, as well as for robust multi-disciplinary research addressing such topics as biologically inspired intrusion detection systems, secure health informatics, privacy-preserving mobile health, smart grid security, and secure supply chain.
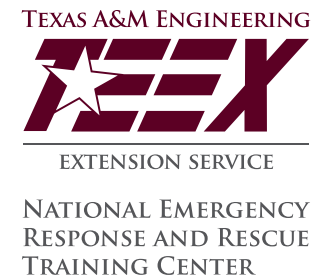
The CfIA serves as the Hub for cybersecurity research, education and research in the Mid-south region of the U.S., working to advance next generation approaches to address constantly evolving threats to information systems, equipping students and working professionals with needed skills for the workplace, and conducting outreach to business and government organizations.

Dipankar Dasgupta
Director CfIA, University of Memphis

Texas A&M Engineering Extension Service / National Emergency Response and Rescue Training Center

TEXAS A&M ENGINEERING TEEX EXTENSION SERVICE
NATIONAL EMERGENCY RESPONSE AND RESCUE TRAINING CENTER

Texas A&M Engineering Extension Service/National Emergency Response and Rescue Training Center (TEEX/NERRTC) plays a major role in DHS/FEMA's initiative establishing and maintaining the concept of a "culture of preparedness." The initiative has sharpened its focus on that concept by incorporating an "all-of-nation"/"whole community," risk-driven, capabilities-based approach to preparedness. Since its inception in 1998, TEEX/NERRTC has provided thousands of local, state, tribal, and territorial jurisdictions with high-quality, hands-on, scenario-driven leadership training and exercises. The cybersecurity training builds on those capabilities, enhancing the learning experience of jurisdictions and expanding their ability to create resilient communities.

The material in your class gives me an understanding of terms, how to use software, how to care for my computer as well as take care of my computer at work. I have taken many FEMA preparedness courses and find this one of immediate practical use.

Karl Schimmeck
Managing Director
The Securities Industry and Financial Markets Association (SIFMA)

Norwich University Applied Research Institutes

NUARI 1819
Norwich University Applied Research Institutes

Norwich University Applied Research Institutes (NUARI) is a technology developer for cyber war game exercises and the software tools that support distributed simulation systems – from small to national level exercise events. Expert engineering and scenario authoring teams work together to create engaging cyber-preparedness training experiences that highlight the effectiveness of critical decision-making. NUARI's catalog of exercise scenarios enables private industry to understand risks and responsibilities associated with cyber conflict, and develop specific after action plans and best practices for consequence mitigation, resiliency, and proactive defense.
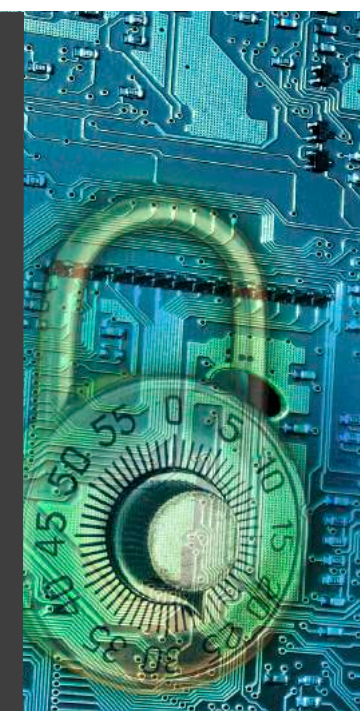
Participants Trained by the NCPC

	FY2015	2004–Mar. 2016
Participants Trained by the NCPC	**8,571**	**59,242**

Legend
- Community and State Exercises
- Critical Infrastructure Sectors/ISAC Exercises
- Cybersecurity Training Courses
- Cyber Storm Exercises
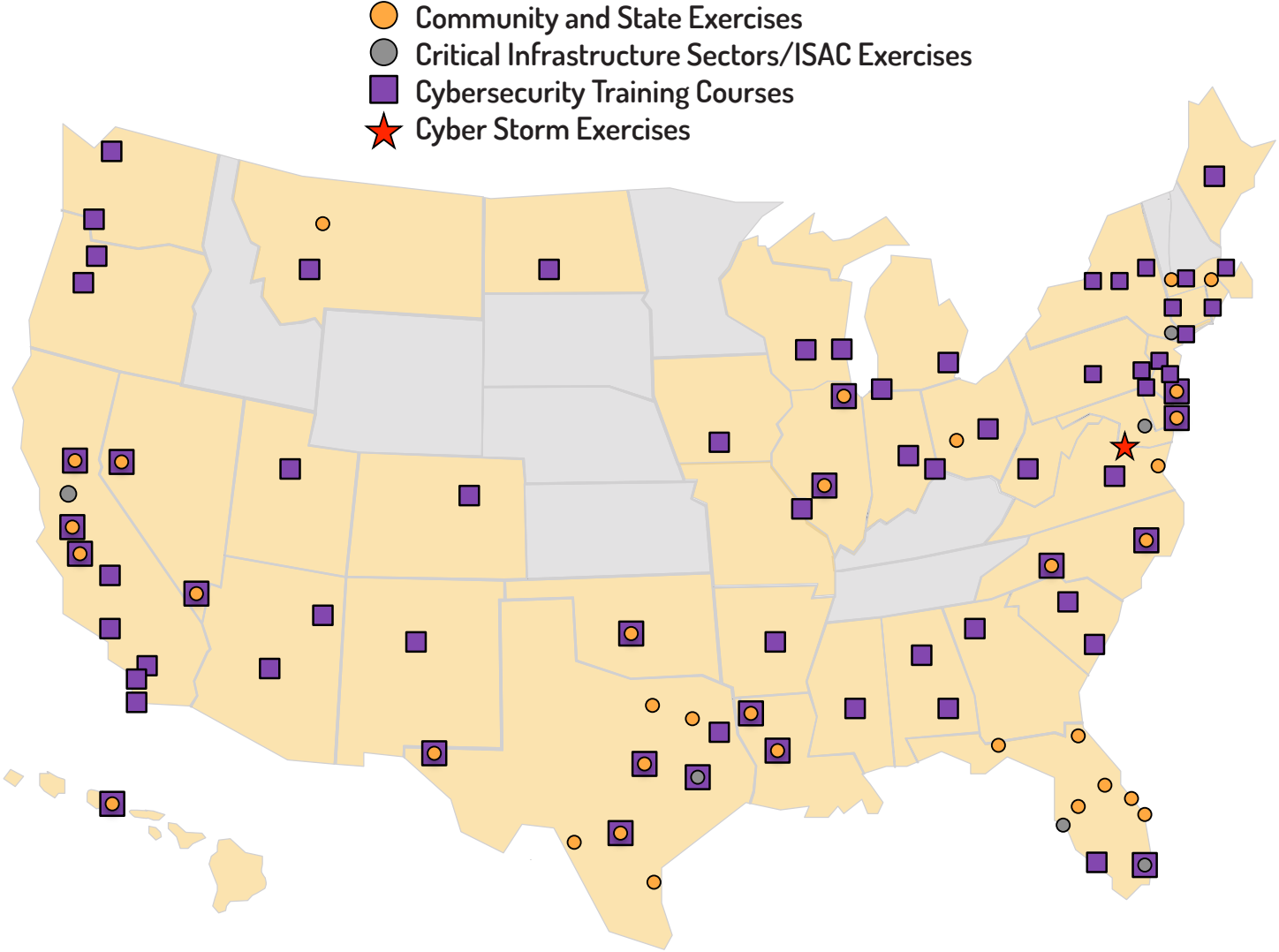
Participants Trained by the NCPC • 2004 through March 2016

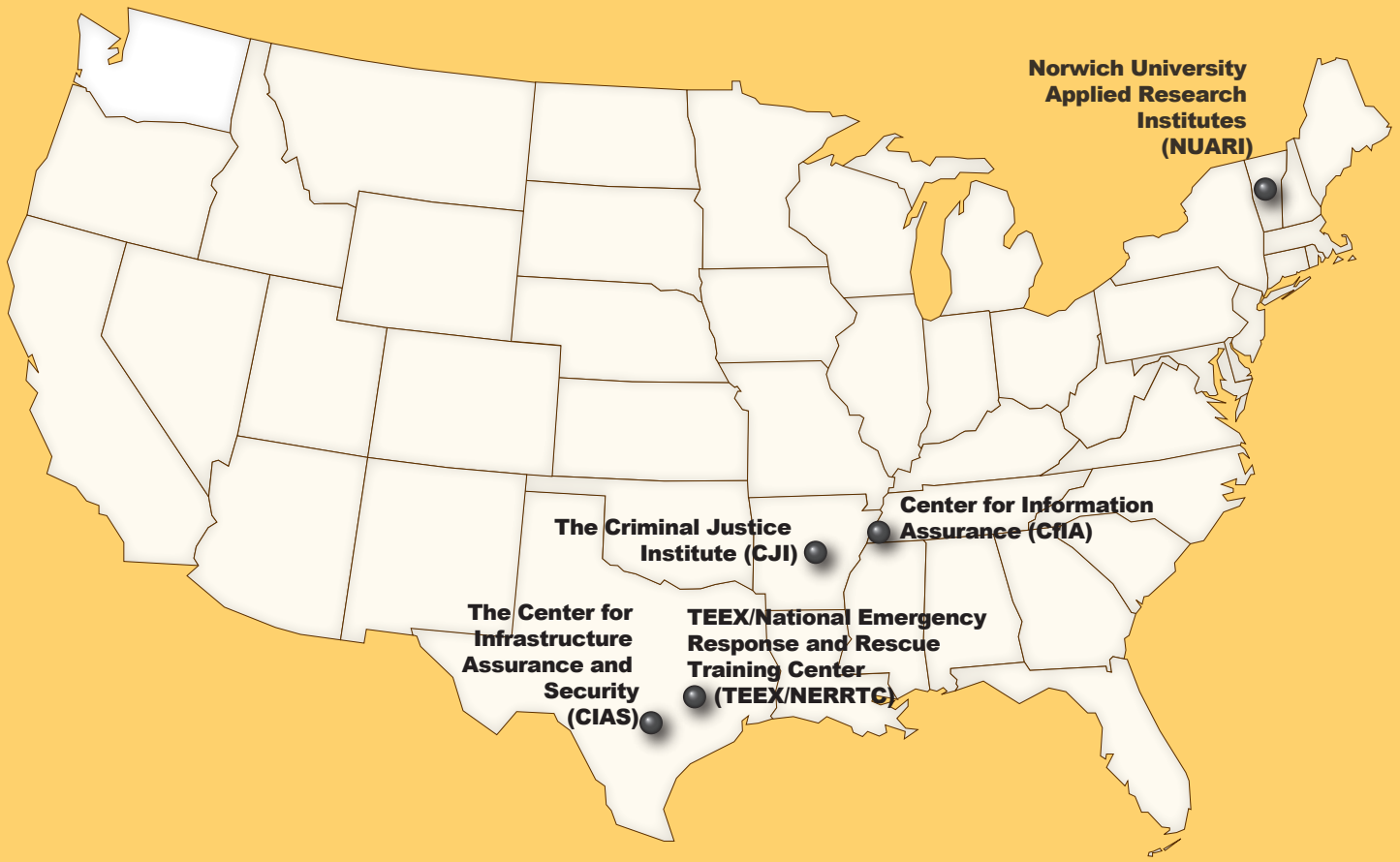| NCPC Member	Participants
The Center for Infrastructure Assurance and Security (CIAS) – UTSA – San Antonio, TX	7,598
The Criminal Justice Institute (CJI) – UArk – Little Rock, AR	5,212
The University of Memphis Center for Information Assurance (CfIA) – Memphis, TN	4,677
Norwich University Applied Research Institutes (NUARI) – Northfield, VT	1,210
National Emergency Response and Rescue Training Center (NERRTC) TEEX – College Station, TX	40,545
TOTAL	**59,242**

The NCPC individual members have been developing and delivering training in partnership with DHS/FEMA and DHS/CS&C since 2004 through online and face-to-face courses. NCPC member training has been delivered to an array of states, counties, local jurisdictions, and critical infrastructure components nationwide addressing cybersecurity and cyber terrorism concerns.

NATIONAL CYBERSECURITY PREPAREDNESS CONSORTIUM

Norwich University Applied Research Institutes (NUARI)

Center for Information Assurance (CfIA)

The Criminal Justice Institute (CJI)

The Center for Infrastructure Assurance and Security (CIAS)

TEEX/National Emergency Response and Rescue Training Center (TEEX/NERRTC)

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