

**Preet Bassi**  
*Center for Public Safety Excellence*



Center for  
Public Safety  
Excellence

# FIRE AND EMERGENCY SERVICE REGULATORY OVERVIEW

PREET BASSI, CAE

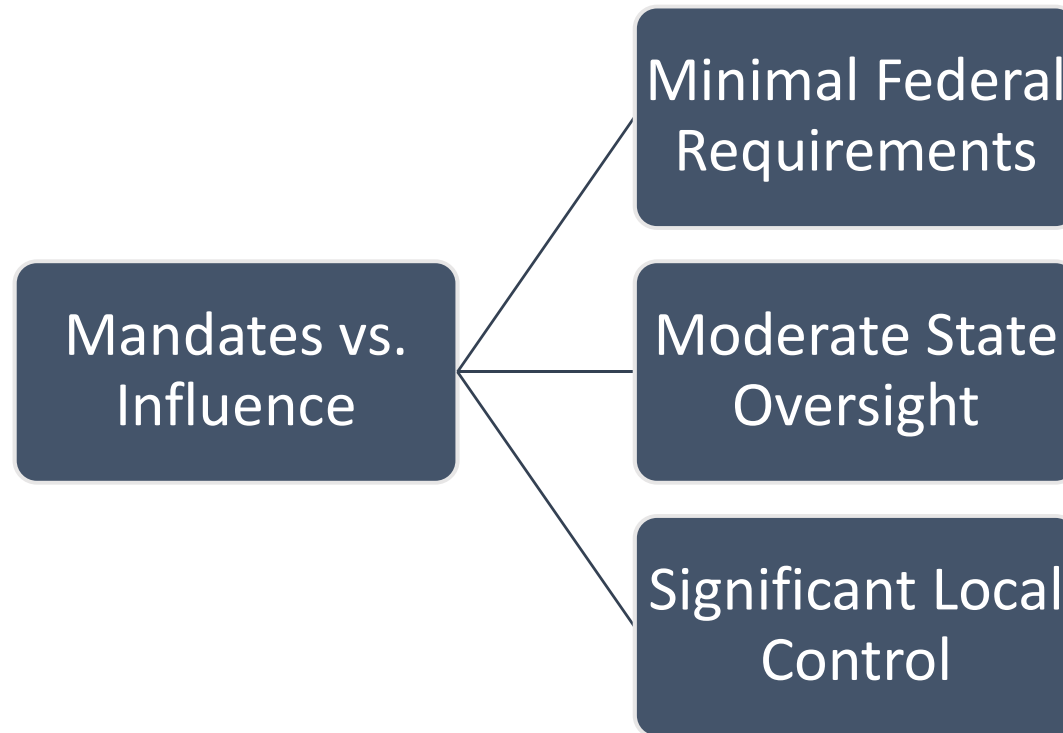
CHIEF EXECUTIVE OFFICER  
CENTER FOR PUBLIC SAFETY EXCELLENCE

# ENVIRONMENTAL CONTEXT



*Leading the Fire and Emergency Service to Excellence*

# REGULATORY IMPACT



# FIRE AND EMERGENCY SERVICE DEPARTMENTS



Organized at the local level



Function within cities or counties or operate as independent entities



Staffed as career, combination, or volunteer systems



Services provided:

Firefighting: Structural, Wildfire, Marine and Shipboard, Aviation  
Emergency Medical Services, Technical Rescue, Hazardous Materials  
Domestic Preparedness  
Prevention, Public Education, Investigation



*Leading the Fire and Emergency Service to Excellence*

# FIRE AND EMERGENCY SERVICE ORGANIZATIONS



MEMBERSHIP  
ORGANIZATIONS



STANDARDS  
DEVELOPMENT  
ORGANIZATIONS



CONFORMITY  
ASSESSMENT BODIES



TRAINING PROVIDERS



PRIVATE-SECTOR  
PRODUCT AND SERVICE  
VENDORS



*Leading the Fire and Emergency Service to Excellence*

# CENTER FOR PUBLIC SAFETY EXCELLENCE OVERVIEW



*Leading the Fire and Emergency Service to Excellence*

# CPSE OVERVIEW

The Center for Public Safety Excellence® (CPSE®) is a not-for-profit 501(c) (3) corporation.

CPSE helps high-performing fire and emergency service departments and professionals in their efforts to continuously improve. We do that in three main ways:

1. Fire and emergency service department accreditation
2. Credentialing fire and emergency service professionals
3. Education programs



*Leading the Fire and Emergency Service to Excellence*



# ACCREDITATION

Fire department accreditation is a process in which departments undergo a thorough self-assessment focused on identifying strengths and weaknesses using data and information to continuously improve.



**Commission on  
Fire Accreditation  
International®**

## **311 Accredited Agencies**

- 13% of US population protected by accredited agencies
- 19% of Canadian population protected by accredited agencies
- 82,000 total personnel

205 agencies working on accreditation



*Leading the Fire and Emergency Service to Excellence*

# CREDENTIALING

Credentialing fire and emergency service professionals instills the principles of life-long learning and self-accountability and help them grow and plan for a successful career.

## **3,353 Credentialed Officers**

- 1,864 Chief Fire Officers
- 706 Fire Officers
- 237 Fire Marshals
- 227 Chief Training Officers
- 185 Chief EMS Officers
- 34 Public Information Officers



**Commission on  
Professional  
Credentialing®**



*Leading the Fire and Emergency Service to Excellence*

# **CURRENT STATE: UAS, AI, CYBERSECURITY**



*Leading the Fire and Emergency Service to Excellence*

# UAS – NFPA 2400



- Details the minimum requirements for the safe operation, deployment, and implementation of sUAS including organization program criteria and considerations, professional qualifications for safety personnel, and elements of a maintenance program.
- Risk Assessment focuses on:
  - “The evaluation of the relative danger sUAS operations when taking into consideration mission objectives and goals, sUAS, professional qualification of the RPIC and visual observer, operational readiness of the crew, weather conditions, environmental conditions, regulatory requirements, potential hazards, and operations conditions.



*Leading the Fire and Emergency Service to Excellence*

# FIRE AND EMERGENCY SERVICE & AI



Limited applications



Early tests in

Wildfire  
Administration  
Data Mining



*Leading the Fire and Emergency Service to Excellence*

# FIRE AND EMERGENCY SERVICE & CYBERSECURITY

## Publications

- International Association of Fire Chiefs
  - Protecting Against Cyberattacks: A guide for Public Safety Leaders
- Multiple publications focusing on cybersecurity of systems

## Professional Qualifications

- Existing standards focus on:
  - Technical skills of conducting a task or
  - Supervisory skills of being a higher-ranking officer
- NFPA 1022 focuses on:
  - Data Analysis
  - GIS Analysis
  - Business Analysis
  - Data and Analytics Management



*Leading the Fire and Emergency Service to Excellence*

# CURRENT STATE

UAS Technical  
Operating Skills  
Requirements

AI and  
Cybersecurity  
Articles

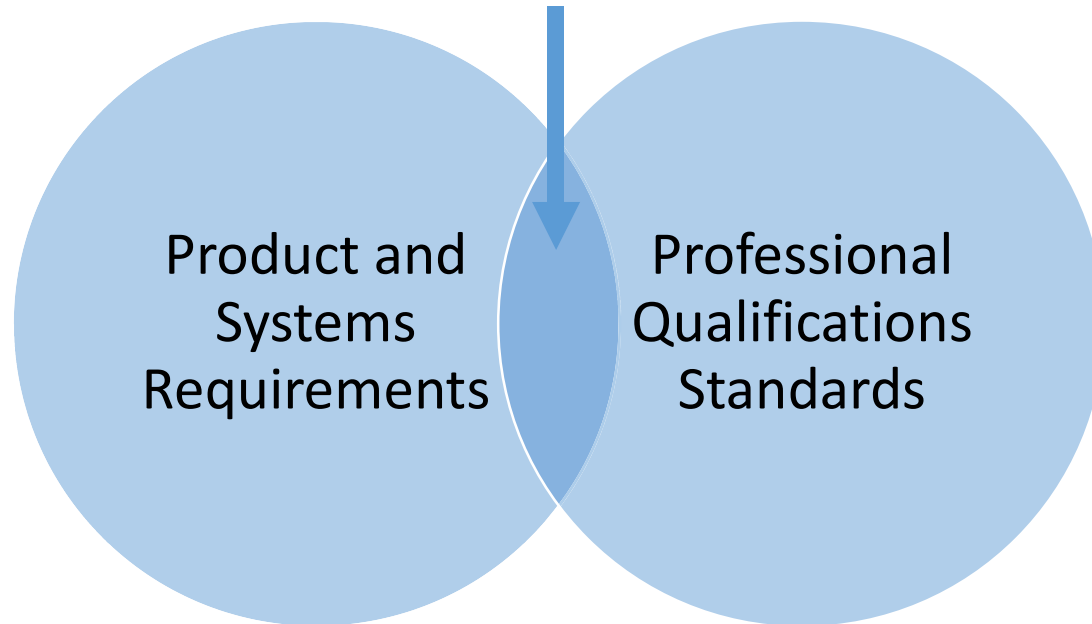
Data Analysis  
Skills  
Requirements

UAS  
Procurement  
Articles



# OPTIMAL STATE

AI and Cybersecurity



*Leading the Fire and Emergency Service to Excellence*



# IMPLEMENTATION PROGRESSION



*Leading the Fire and Emergency Service to Excellence*

# Connect with CPSE



[www.cpse.org](http://www.cpse.org)



[pbassi@cpse.org](mailto:pbassi@cpse.org)



703-691-4620



@CtrPubSafExc



CenterforPublicSafetyExcellence



center-for-public-safety-excellence



*Leading the Fire and Emergency Service to Excellence*



Center for  
Public Safety  
Excellence