


ACTIVE SHOOTER

**OPERATING IN THE WARM ZONE**

Michael "Mike" Mann  
Seattle Fire Department

Seattle Jewish Federation  
June 5, 2014



---

---

---

---

---

---

---

---

ACTIVE SHOOTER

KILLED BY POLICE IN 30 SECONDS

INJURED: 27

KILLED: 9

Dayton, OH  
August 4, 2019



---

---

---

---

---

---

---

---

ACTIVE SHOOTER

IT WILL TAKE 20 MINUTES FOR LAW ENFORCEMENT TO ARRIVE

PASSENGERS DURING RUSH HOUR: 2000

Washington State Ferry



---

---

---

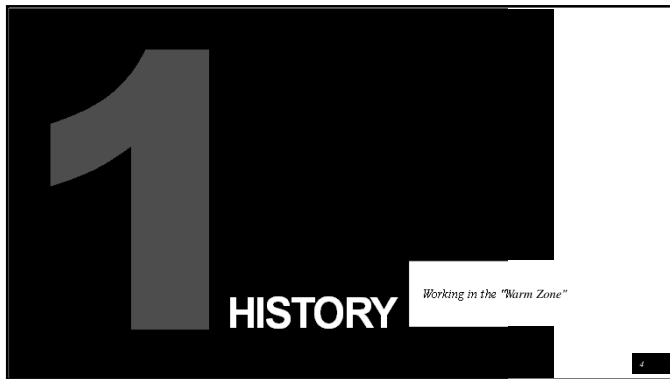
---

---

---

---

---



---

---

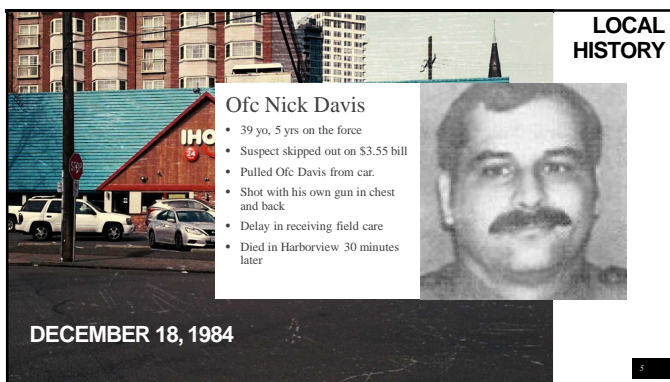
---

---

---

---

---



---

---

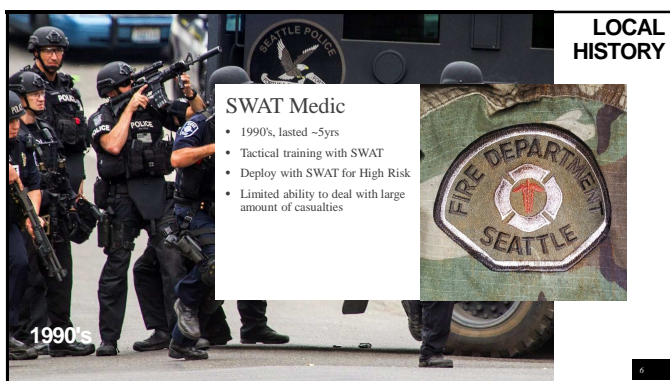
---

---

---

---

---



---

---

---

---

---

---


---

## COLUMBINE HS MASSACRE

*Catalyst for the development of Warm Zone Operations*

- DEATHS: 15
- INJURIES: 24
- Traditional law enforcement response
  - Secure perimeter
  - 45 minutes for SWAT to enter
  - 13 victims killed during SWAT mobilization
  - Shooters committed suicide upon police entry
- Staged EMS
  - SWAT to clear school before EMS entry

**APRIL 20, 1999**




---

---

---

---

---

---

---

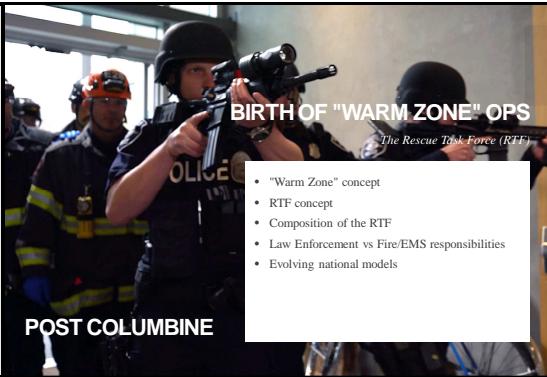
---

## BIRTH OF "WARM ZONE" OPS

*The Rescue Task Force (RTF)*

- "Warm Zone" concept
- RTF concept
- Composition of the RTF
- Law Enforcement vs Fire/EMS responsibilities
- Evolving national models

**POST COLUMBINE**




---

---

---

---

---

---

---

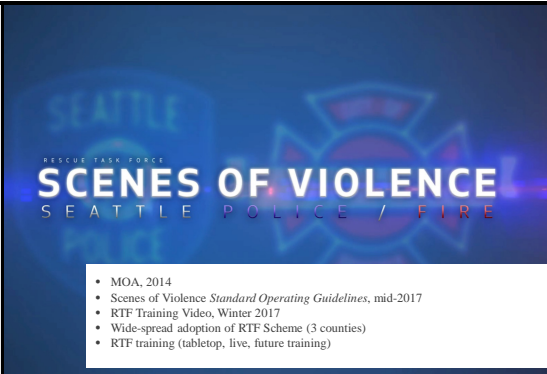
---

## LOCAL HISTORY

### SCENES OF VIOLENCE

SEATTLE POLICE / FIRE

- MOA, 2014
- Scenes of Violence *Standard Operating Guidelines*, mid-2017
- RTF Training Video, Winter 2017
- Wide-spread adoption of RTF Scheme (3 counties)
- RTF training (tabletop, live, future training)




---

---

---

---

---

---

---

---

RESCUE TASK FORCE VIDEO

[Rescue Task Force training video](#)

[11:28-13:30] Formation & movement

[13:50-14:20] Entry into the warm zone

WINTER 2017

10

---

---

---

---

---

---

---

---

NFPA  
3000<sup>TM</sup>

MINIMUM STANDARDS

NFPA 3000 provides guidance for ASHE

Standard for an  
Shooter/Hostile  
Response (ASHE  
2018

- Comprehensive Guidance
- Risk assessments
- Ballistic protection recommendations
- Hospital preparedness

11

---

---

---

---

---

---

---

---

2

MEDICAL  
REALITIES

Casualties in the Warm Zone

12

---

---

---

---

---

---

---

---

50%

25%25%

Law Enforcement

Fire/EMS

• RED: 12

• YELLOW: 11

• GREEN: 28

• DOA: 4

Seattle "Ride the Duck" accident  
September 24, 2015

CASUALTY ESTIMATION

Large scale vs Large room

"If you can, move over to the wall."

If they move they are uninjured or lightly injured. If they don't they are a red, yellow or DOA.

---

---

---

---

---

---

---

---

MCI vs ACTIVE SHOOTER

Formal triage vs get what you can

---

---

---

---

---

---

---

---

If you didn't SEE IT, SAY IT, and TOUCH IT, you didn't check it.

M Massive hemorrhage

A Airway

R Respirations

C Circulation

H Hypothermia/Head injuries

Spinal immobilization?

M.A.R.C.H.

The ABCs of Trauma

---

---

---

---

---

---

---

---

5

### *The Profile of Wounding in Civilian Public Mass Shooting Fatalities*

Dr Reed Smith, et al. (Journal of Trauma and Acute Care Surgery, 2016)

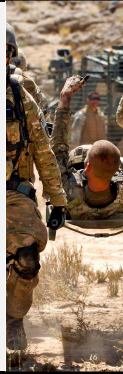
- 12 CPMs
- 139 Fatalities
- 371 Wounds

#### CONCLUSIONS

- Fatality rate was significantly higher in the CPMs
- Lower incidence of potentially survivable injuries
- Wounding patterns significantly different
- NONE died of extremity wounds.

#### WOUNDING PROFILES

*Civilian vs Combat environment*




---

---

---

---

---

---

---

---




---

---

---

---

---

---

---

---

- No suitable off-the-shelf product
- Counteract human reactions to stress
- Designed for firefighters
- Familiar equipment
- Familiar components
- Familiar locations
- Slick in front
- Quick to don, size, and doff
- Adaptable
- Limited storage needs

#### BALLISTIC KIT CONSIDERATIONS

*Principles guiding the design*




---

---

---

---

---

---

---

---



---

---

---

---

---

---

---



---

---

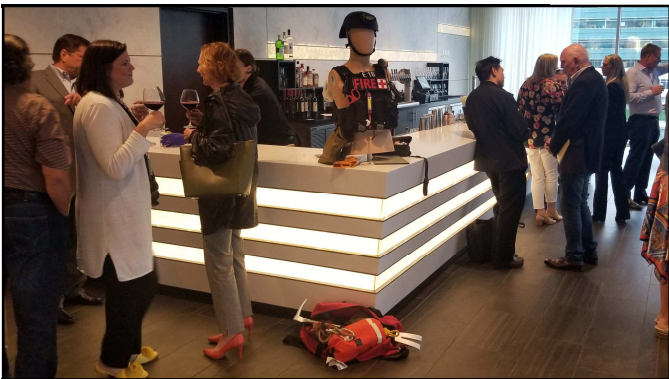
---

---

---

---

---



---

---

---

---

---

---

---