

# FDNY Special Operations

## Readiness & Preparedness

United States Code, Title 22 Section 2656(f)(a)

- Requires Dept. of State to provide annual report to Congress on countries & groups that Sponsor and support terrorism

FDNY Special Operations 9/29/97 7

## What is Terrorism?

The term "Terrorism" means premeditated, politically motivated violence perpetrated against noncombatant targets by sub-national groups or clandestine agents, usually intended to influence an audience.

FDNY Special Operations 9/29/97 8

## International Terrorism

involves citizens or the territory of more than one country

FDNY Special Operations 9/29/97 9

## State Sponsored Terrorism

North Korea, Sudan, Cuba, Iraq, Iran, Syria, Libya

FDNY Special Operations 9/29/97 10

## Countries affected by Terrorism

African: Angola, Sierra Leone, South Africa, Togo, Uganda  
Europe: Albania, Azerbaijan, Baltics, France, Germany, Greece, Italy, Russia, Spain, Turkey, UK, Bosnia  
Middle East: Algeria, Egypt, Israel, Jordan, Lebanon, Morocco  
Asia: Afghanistan, Cambodia, India, Pakistan, Philippines, Sri Lanka, Thailand  
South America: Argentina, Chile, Colombia, Ecuador, Guatemala, Panama, Peru, Uruguay

FDNY Special Operations 9/29/97 11

## Major Terrorist Groups

Abu Nidal, Abu Sayyaf Group, Al-Fatah, Armed Islamic Group, Armenian Secret Army, Basque Fatherland and Liberty, Chukaku-Ha, CNPZ, DFLP, Al-Gama'a al-islamiyya, HAMAS, Harakat-ul-Ansar, Hizballah, Jamaat ul-Fuqra, Japanese Red Army, Jihad Group, Kach and Kahane Chai, Kurdistan Workers Party, Lautaro Youth Movement, Liberation Tigers of Tamil Eelam, FPMR, MEK, PLO, New Peoples Army, Palestinian Islamic Jihad, Khmer Rouge, PFLP, PFLP-GC, Provisional Irish Republican Army, Red Army Faction, Red Brigades, Sendero Luminoso

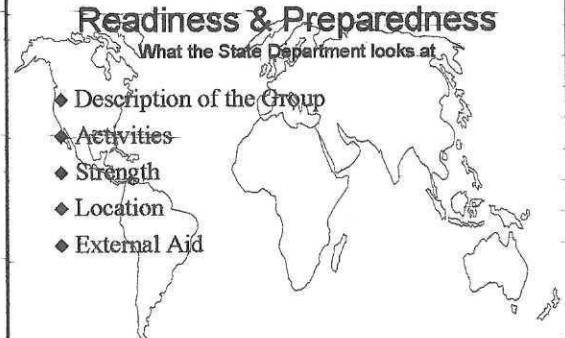
FDNY Special Operations 9/29/97 12

# FDNY Special Operations

## Readiness & Preparedness

What the State Department looks at:

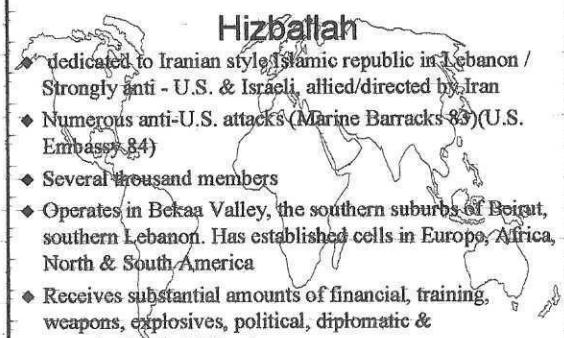
- ◆ Description of the Group
- ◆ Activities
- ◆ Strength
- ◆ Location
- ◆ External Aid



FDNY Special Operations 9/29/97 13

## Hizballah

- ◆ dedicated to Iranian style Islamic republic in Lebanon / Strongly anti - U.S. & Israeli, allied/directed by Iran
- ◆ Numerous anti-U.S. attacks (Marine Barracks '83) (U.S. Embassy '84)
- ◆ Several thousand members
- ◆ Operates in Bekaa Valley, the southern suburbs of Beirut, southern Lebanon. Has established cells in Europe, Africa, North & South America
- ◆ Receives substantial amounts of financial, training, weapons, explosives, political, diplomatic & organizational aid (Iran)

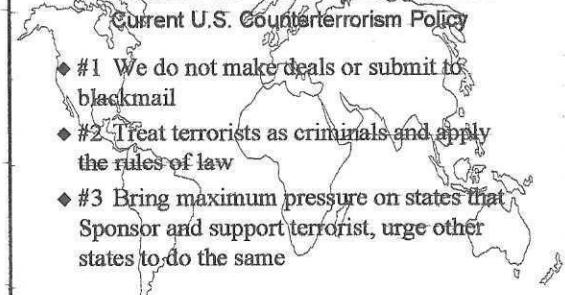


FDNY Special Operations 9/29/97 14

## Readiness & Preparedness

Current U.S. Counterterrorism Policy

- ◆ #1 We do not make deals or submit to blackmail
- ◆ #2 Treat terrorists as criminals and apply the rules of law
- ◆ #3 Bring maximum pressure on states that Sponsor and support terrorist, urge other states to do the same

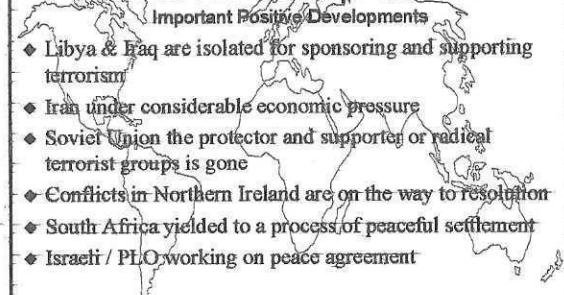


FDNY Special Operations 9/29/97 15

## Readiness & Preparedness

Important Positive Developments

- ◆ Libya & Iraq are isolated for sponsoring and supporting terrorism
- ◆ Iran under considerable economic pressure
- ◆ Soviet Union the protector and supporter of radical terrorist groups is gone
- ◆ Conflicts in Northern Ireland are on the way to resolution
- ◆ South Africa yielded to a process of peaceful settlement
- ◆ Israeli / PLO working on peace agreement



FDNY Special Operations 9/29/97 16

## Federal Bureau of Investigation

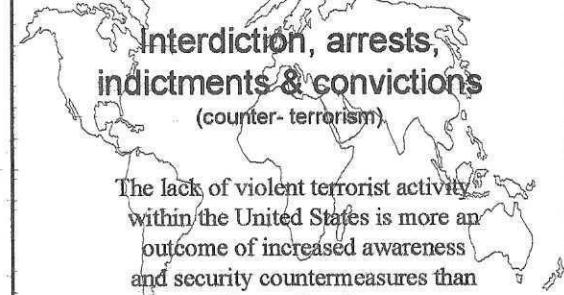
- ◆ lead investigative agency
- ◆ annual publication: Terrorism in the United States
- ◆ Looks at trends and patterns in International & Domestic Terrorism



FDNY Special Operations 9/29/97 17

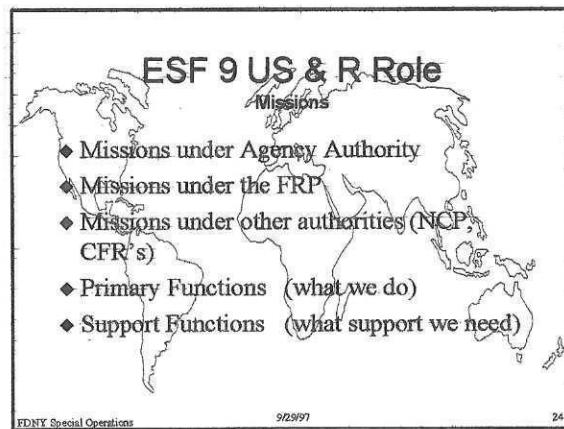
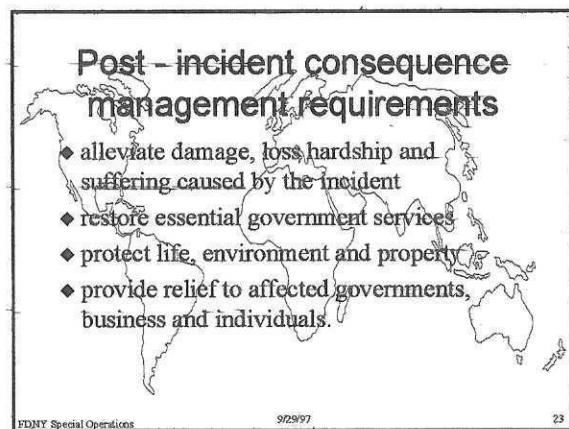
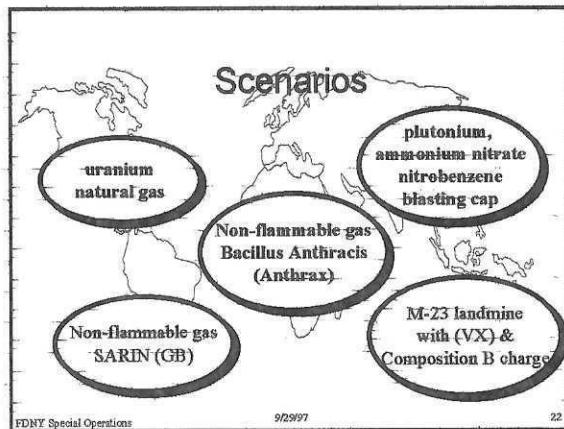
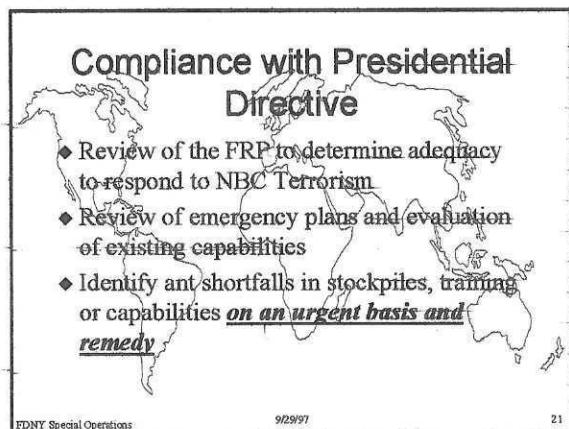
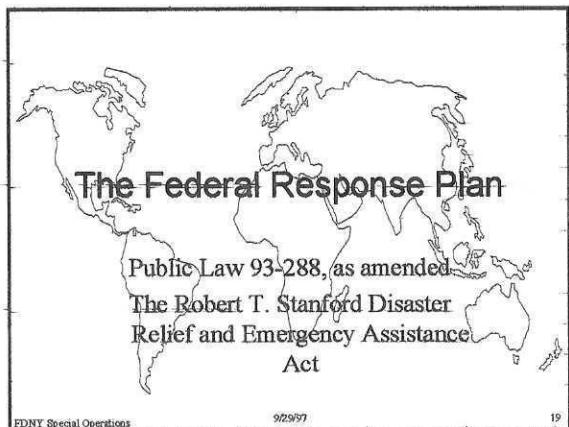
## Interdiction, arrests, indictments & convictions (counter-terrorism)

The lack of violent terrorist activity within the United States is more an outcome of increased awareness and security countermeasures than a decreasing threat.

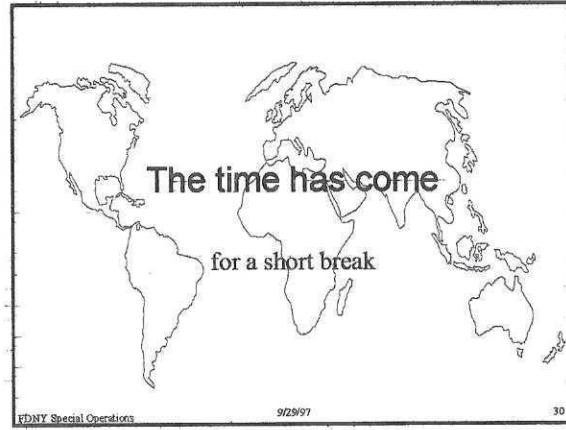
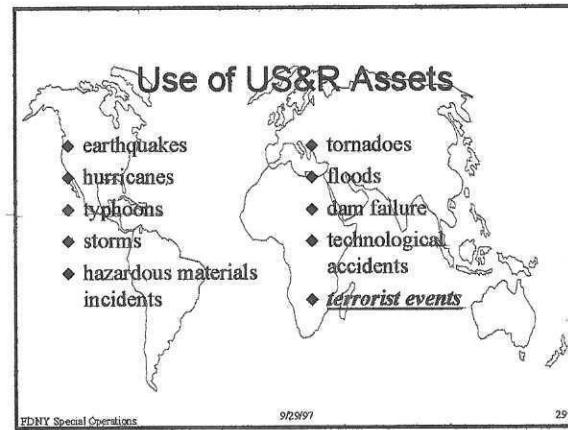
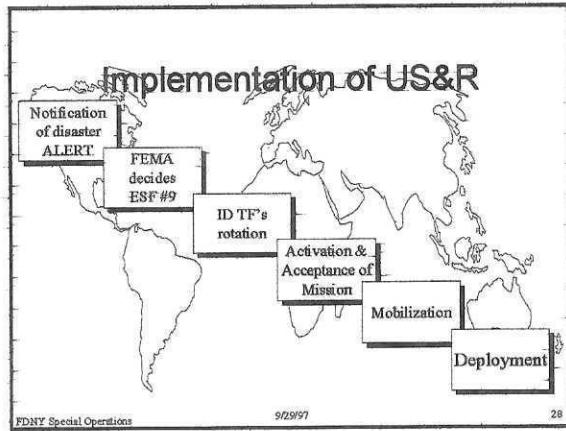
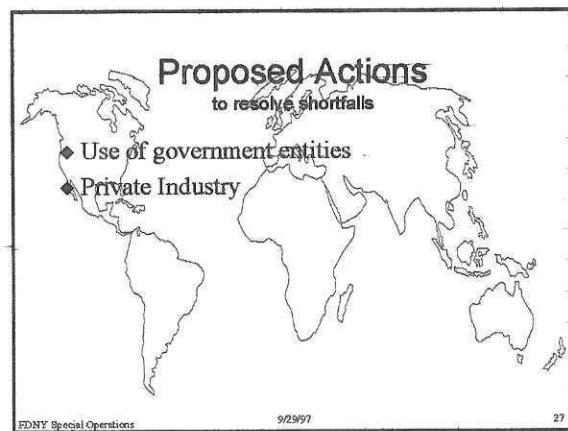
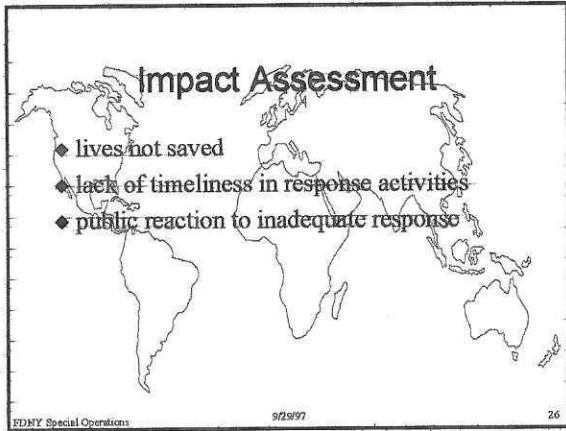
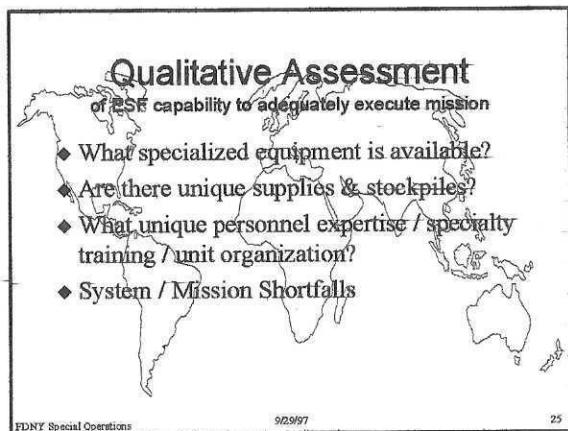


FDNY Special Operations 9/29/97 18

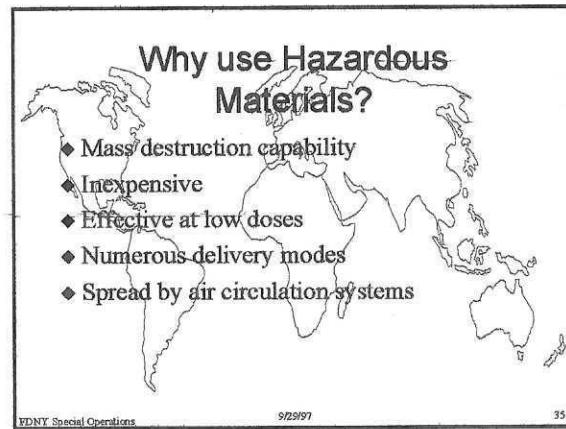
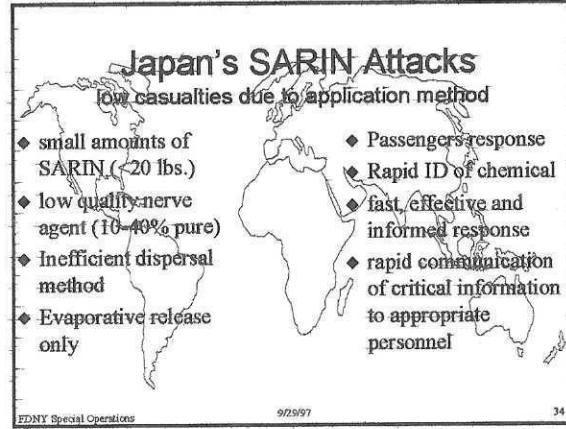
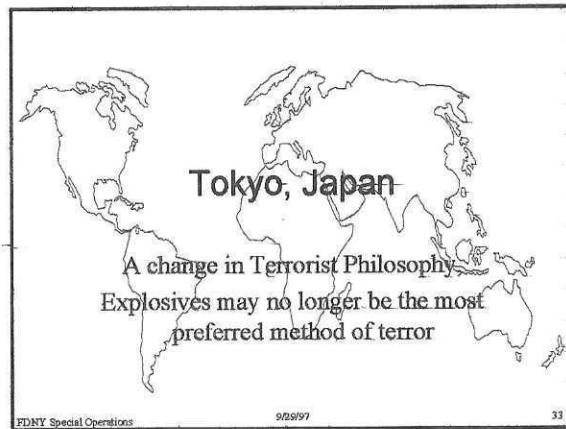
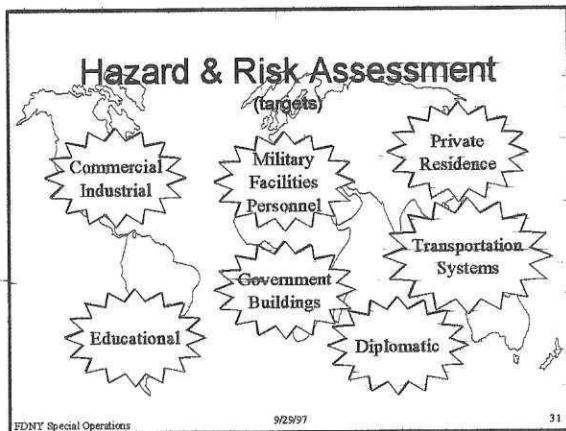
# FDNY Special Operations



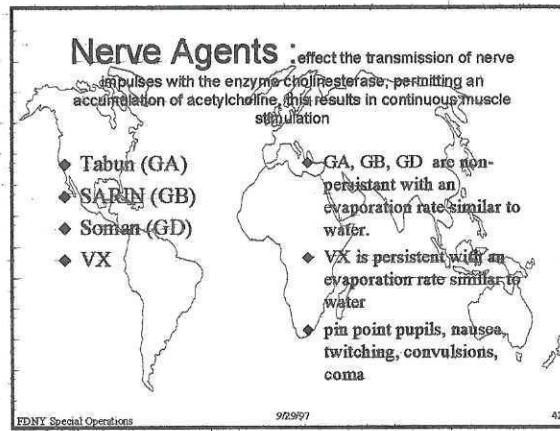
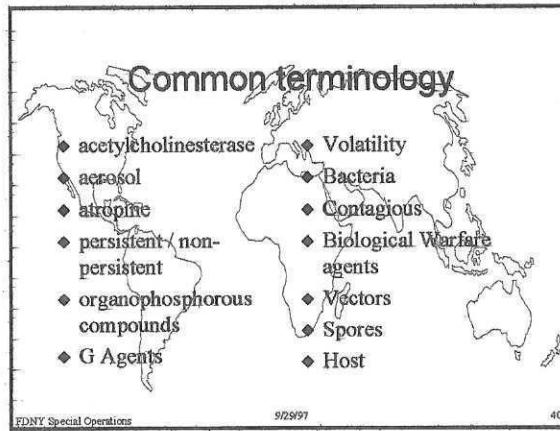
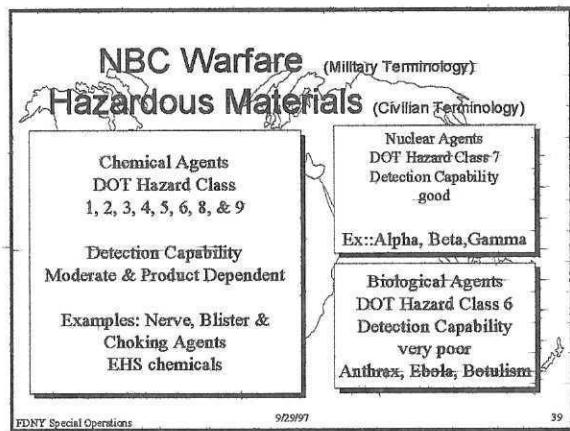
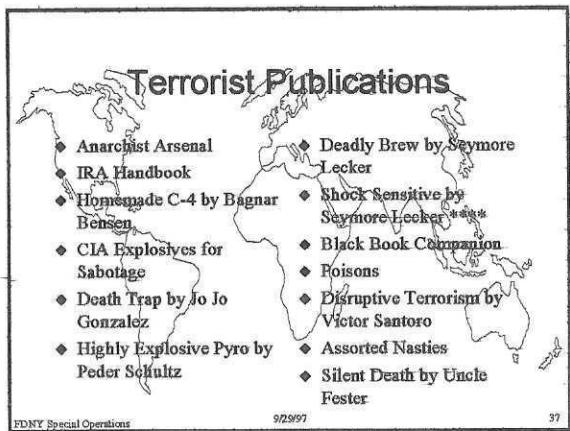
# FDNY Special Operations



# FDNY Special Operations



# FDNY Special Operations



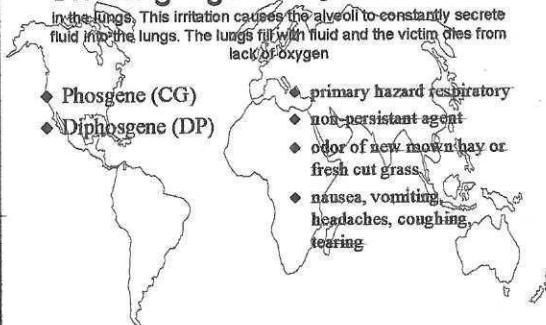
# FDNY Special Operations

## Choking Agents:

In the lungs, this irritation causes the alveoli to constantly secrete fluid into the lungs. The lungs fill with fluid and the victim dies from lack of oxygen.

- ◆ Phosgene (CG)
- ◆ Diphosgene (DP)

- ◆ primary hazard respiratory
- ◆ non-persistent agent
- ◆ odor of new mown hay or fresh cut grass
- ◆ nausea, vomiting, headaches, coughing, tearing



FDNY Special Operations

9/29/97

43

## Blood Agents:

agents that act upon the enzyme cytochrome oxidase. This allows the red blood cells to acquire oxygen but does not allow them to transfer oxygen to other cells. Body tissue decays rapidly due to lack of oxygen and retention of carbon dioxide.

- ◆ Hydrogen Cyanide (AC)

- ◆ Cyanogen Chloride (CK)

- ◆ Arsine (SA)

- ◆ non-persistent, dissipates rapidly

- ◆ bitter almond odor

- ◆ affects breathing rate; some increase others decrease

- ◆ headache, convulsions

FDNY Special Operations

9/29/97

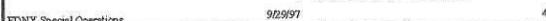
44

## Blister Agents:

agents which affect the eyes, respiratory tract and skin, first as a cell irritant, and then as a cell poison. They cause irritation of the skin and eyes, then blistering or ulcerations followed by systemic poisoning.

- ◆ Mustard (H, HD, HN-1, HN-2, HN-3, HT)
- ◆ Arsenicals (L, HL, PD, ED, MD)
- ◆ Urticants (CX)

- ◆ persistence: some effects immediate, 2 hours to several months depending on agent
- ◆ odorless to garlic-like
- ◆ strong stinging sensation similar to bee stings, reddening of the skin and blistering
- ◆ treat similar to burns



FDNY Special Operations

9/29/97

45

## Incapacitating Agents:

cause physiological or mental effects which lead to temporary disability lasting from hours to days. 2 types CNS depressants / stimulants

- ◆ CNS Depressants (BZ, Marijuana)

- ◆ CNS Stimulants (LSD, Psilocybin, Mescaline)

- ◆ Depressants: rate of action 1-4 hours, dizziness, vomiting, confusion, rapid heartbeat, random unpredictable behavior

- ◆ Stimulants: rapid heartbeat, sweating palms, pupillary enlargement, cold extremities

FDNY Special Operations

9/29/97

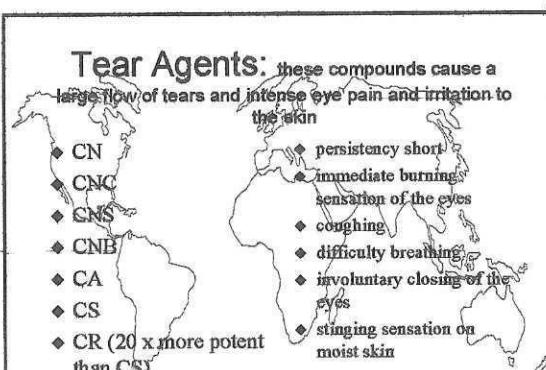
46

## Tear Agents:

these compounds cause a large flow of tears and intense eye pain and irritation to the skin

- ◆ CN
- ◆ CNC
- ◆ CNS
- ◆ CNB
- ◆ CA
- ◆ CS
- ◆ CR (20 x more potent than CS)

- ◆ persistence short
- ◆ immediate burning sensation of the eyes
- ◆ coughing
- ◆ difficulty breathing
- ◆ involuntary closing of the eyes
- ◆ stinging sensation on moist skin



FDNY Special Operations

9/29/97

47

## Vomiting Agents:

compounds which cause irritation of the upper respiratory tract and involuntary vomiting

- ◆ DA
- ◆ DM
- ◆ DC

- ◆ Rate of action is very rapid
- ◆ irritation of the eyes & mucous membranes
- ◆ viscous discharge
- ◆ sneezing & coughing
- ◆ pain & tightness in chest
- ◆ severe headache
- ◆ nausea
- ◆ vomiting

FDNY Special Operations

9/29/97

48

# FDNY Special Operations

## Biological Warfare

General Colin Powell, who testified before the House Armed Services Committee on 3/30/93 expressed confidence that the military could defend the US against a chemical weapons attack but added,

*"the one that scares me to death, is biological weapons"*

FDNY Special Operations 9/29/97 49

## Biological Warfare History

- ◆ 14 century in Kaffa (the Tartars) Dead Bodies
- ◆ April 1979 Soviet Research Facility near Sverdlovsk "Anthrax"
- ◆ 1700's in America (the British) Small Pox
- ◆ 1979 - 1982 Afghanistan Yellow Rain and experimental bio-agents
- ◆ Iraqi's Bio Warfare Program???

FDNY Special Operations 9/29/97 50

## Agent required for a 10 Km<sub>2</sub>

FDNY Special Operations 9/29/97 51

## Types of Biological Agents

- ◆ Pathogens
- ◆ Toxins
- ◆ Bioregulators / modulators

FDNY Special Operations 9/29/97 52

## Pathogens:

are living, reproducing, disease - producing organisms

- ◆ Bacteria - capable of reproducing outside living cells (Anthrax, Tularemia, Bubonic Plague, Cholera, and Typhoid Fever)
- ◆ Viruses - infectious organisms that can only reproduce in living cells (Venezuelan Equine Encephalitis, Yellow Fever, Small Pox, Hemorrhagic Fever)
- ◆ Rickettsiae - like viruses, can only multiply within living cells (Rocky Mountain Spotted Fever, Q Fever, Flea Borne Typhus)
- ◆ Yeasts & Fungi

FDNY Special Operations 9/29/97 53

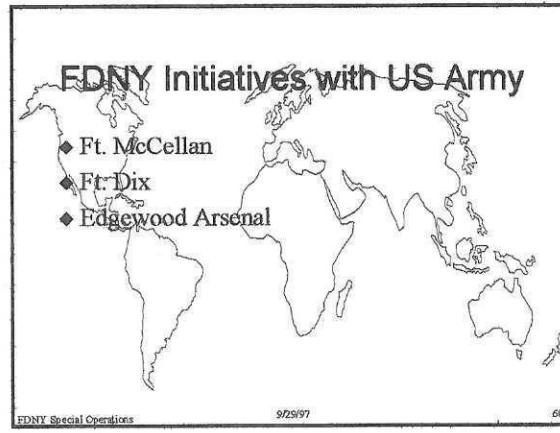
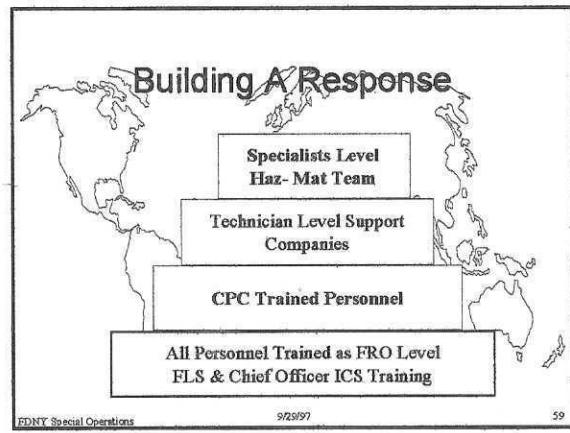
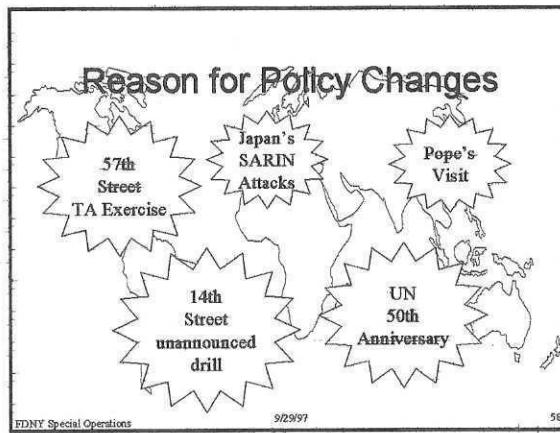
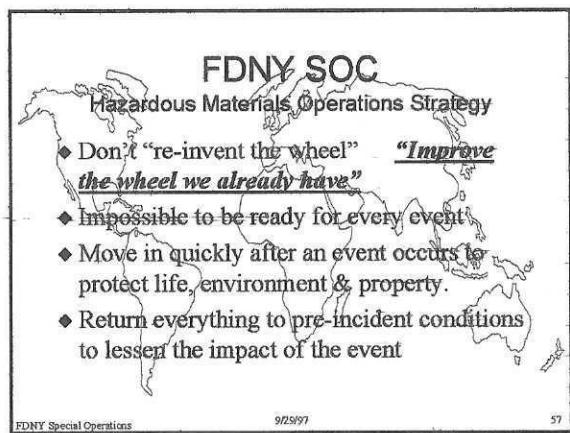
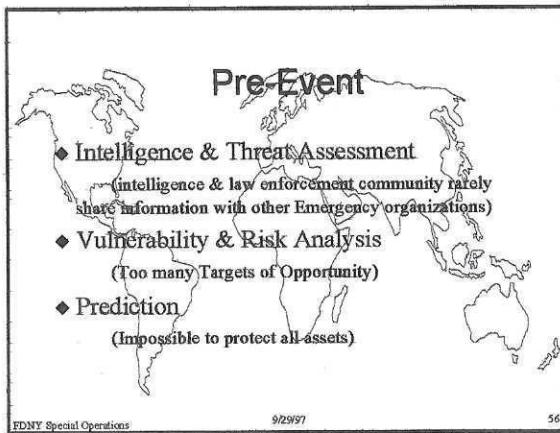
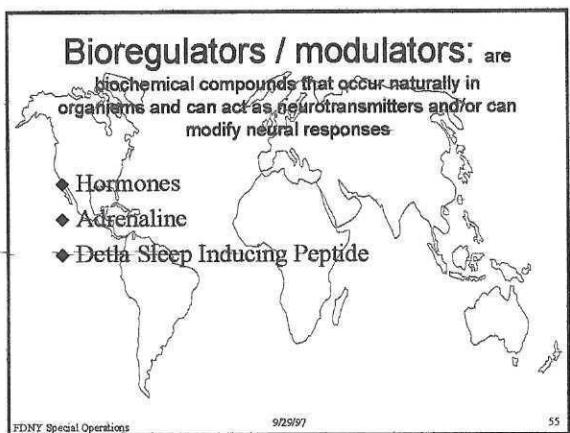
## Toxins:

are poisonous substances produced as by-products of microorganisms, plants and/or animals

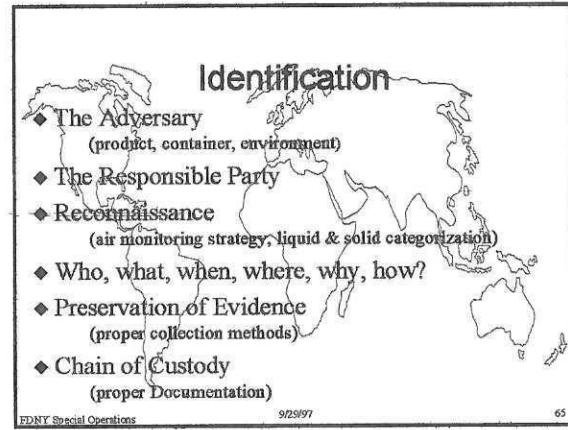
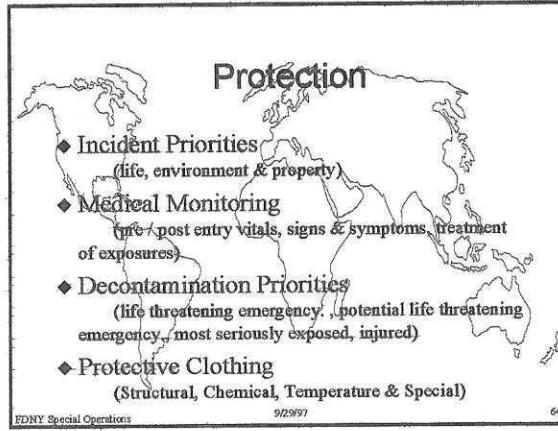
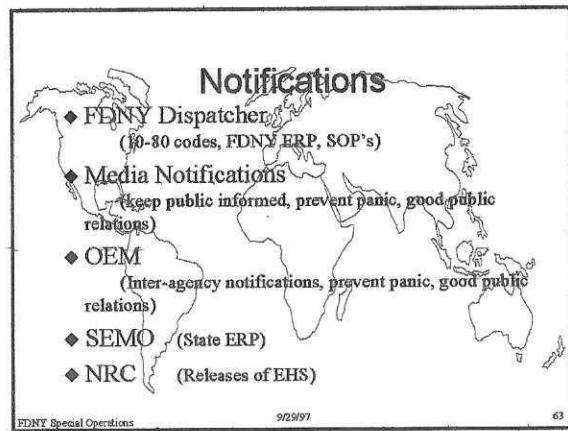
- ◆ Snake Venom
- ◆ Scorpion Venom
- ◆ Ricin
- ◆ Saxitoxin
- ◆ Puffer Fish Venom

FDNY Special Operations 9/29/97 54

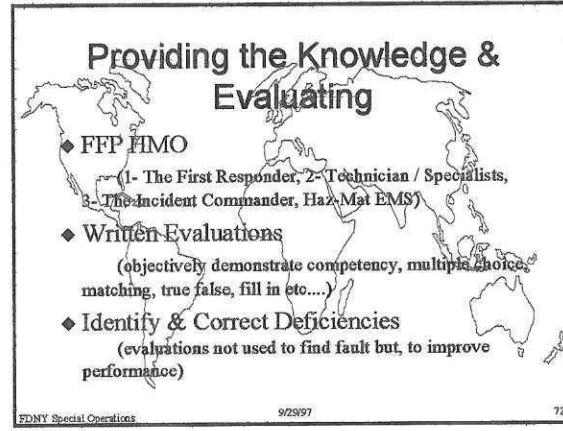
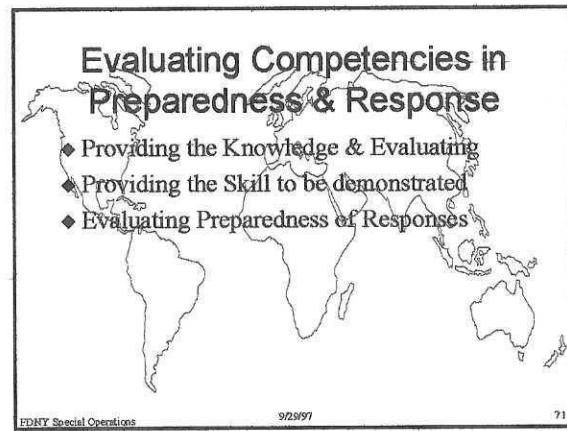
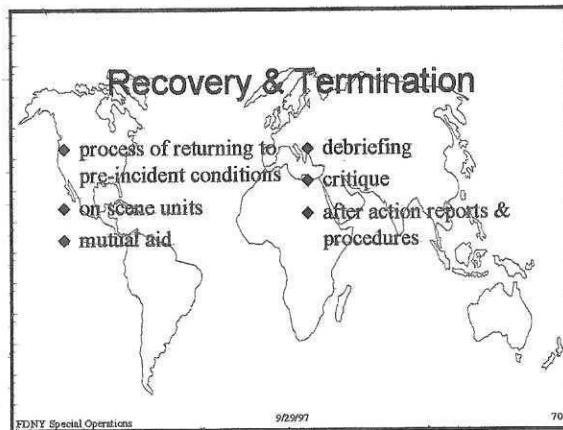
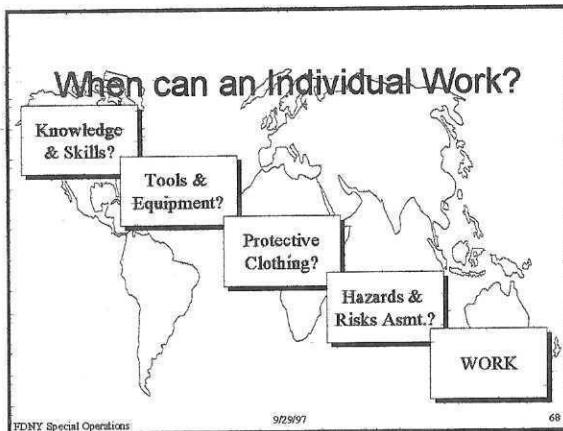
# FDNY Special Operations



# FDNY Special Operations



# FDNY Special Operations



# FDNY Special Operations

