

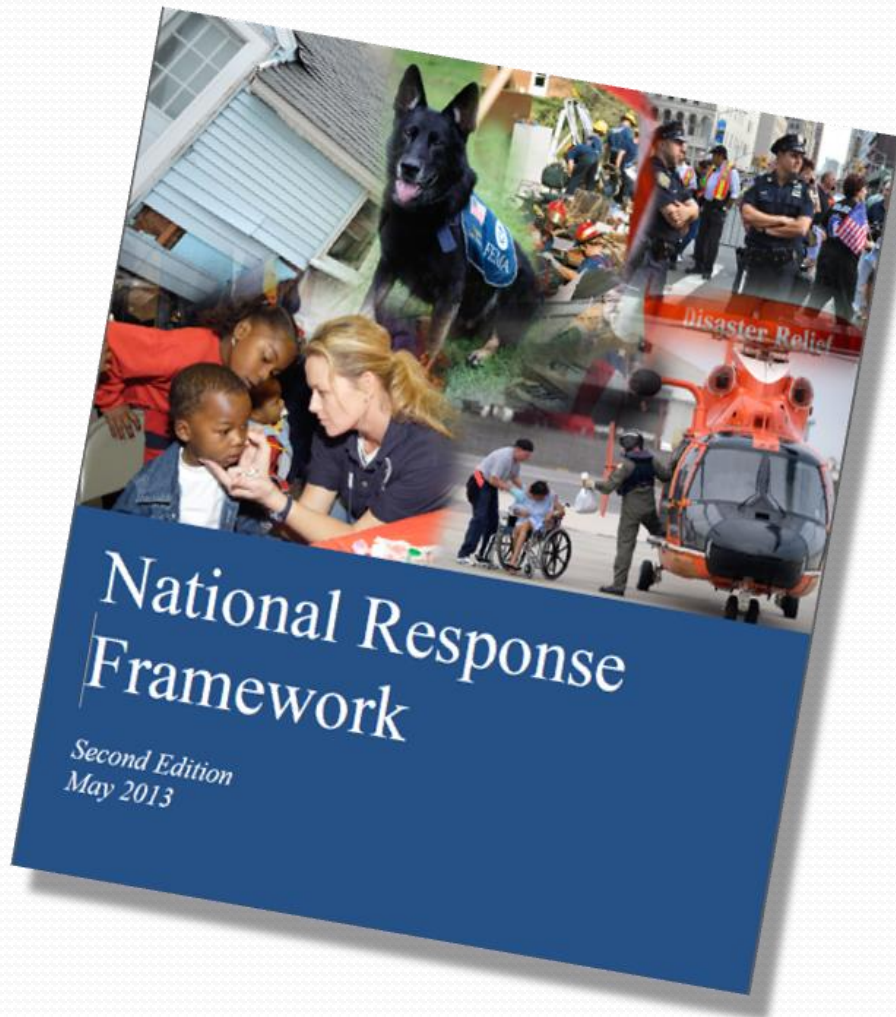
# CONSEQUENCE MANAGEMENT under the US National Response Framework



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Topic Session 7

IAEA International Experts Meeting on  
Assessment and Prognosis in Response to a Nuclear or  
Radiological Emergency  
20-24 April 2015

# National Response Framework



Guide to how the Nation responds to all types of disasters and emergencies.

Nuclear/Radiological Incident Annex defines activities governing immediate response and short-term recovery from incidents involving release of radioactive materials

# What is the Federal Radiological Monitoring and Assessment Center (FRMAC)



Nuclear/Radiological Incident Annex of the National Response Framework defines the center responsible for coordinating all environmental radiological monitoring, sampling, and assessment activities for the response.

# Why was FRMAC Concept Established

- March 28, 1979: Three Mile Island
- Event highlighted inadequacies in planning for a large-scale Nuclear Emergency
  - Evacuation Plans for the nearby cities inadequate
  - Significant confusion about protective actions
- An Executive Order was issued mandating federal preparations for radiological emergencies



Three Mile Island  
Nuclear Power Plant



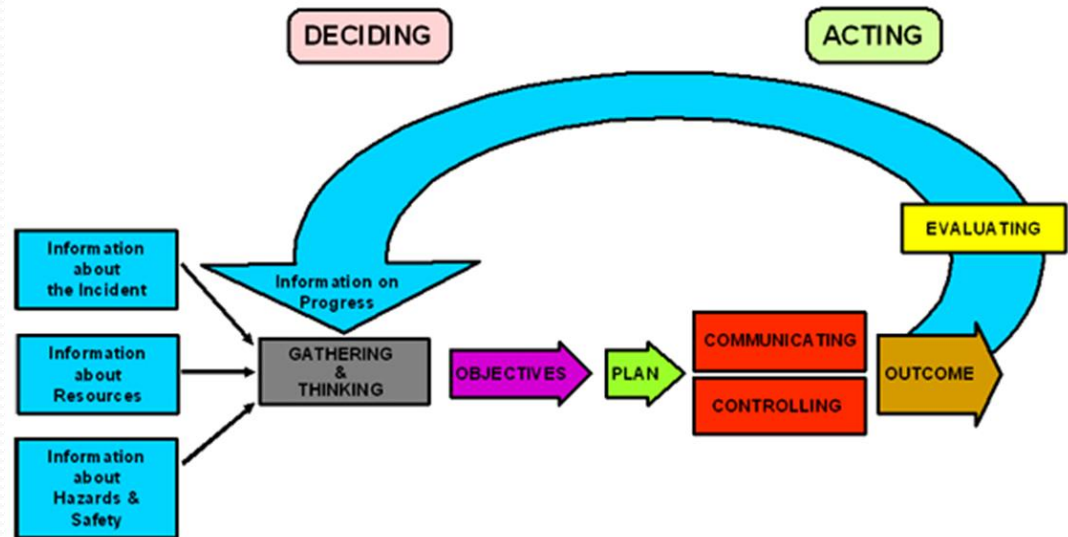
# Radiological Monitoring and Assessment Mission

- ... center established in response to a request for assistance from a government entity following a release, or suspected release, of radioactive materials
- ... coalition of all federal assets
- ...provide science-based assessment of the radiological risks to competent authorities for public protection

# Science in Support of Protective Action Decisions

- FRMAC applies the science supporting Public Protective Action Decisions
  - Compilation of radiological data and assessing to Protective Action Guide
- Strategic planning process
  - Critical Development of Protective Action Objectives and Priorities
- Transition from Reactive to a Proactive Tactical Response

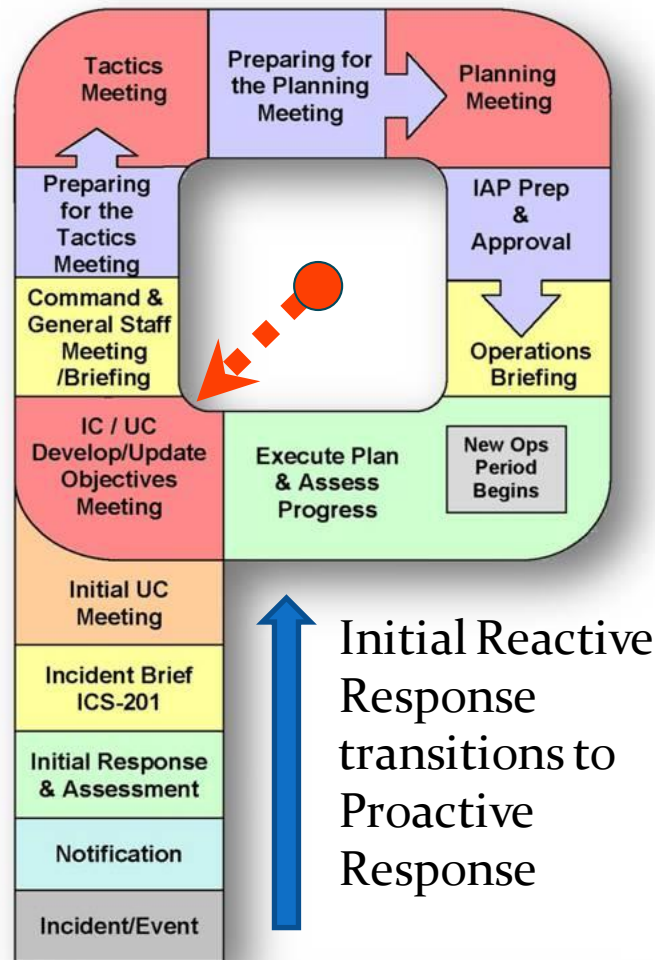
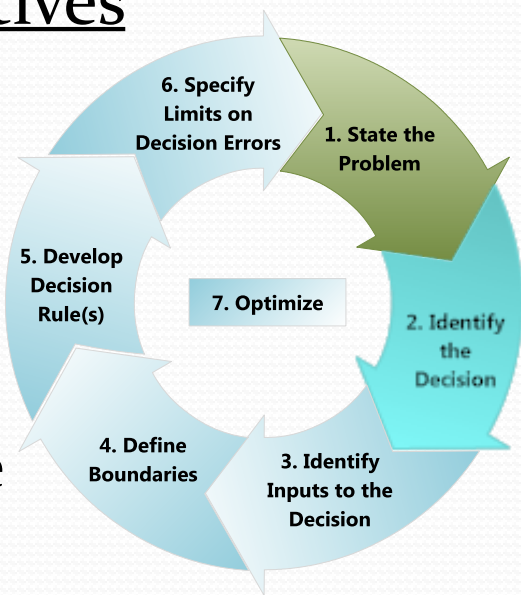
## Incident Command Model



# Command Planning Process

- Understand Situation
- Determine/update Priorities for the incident
- Determine/update incident response Objectives

- Specific
- Measurable
- Attainable
- Realistic
- Time Sensitive

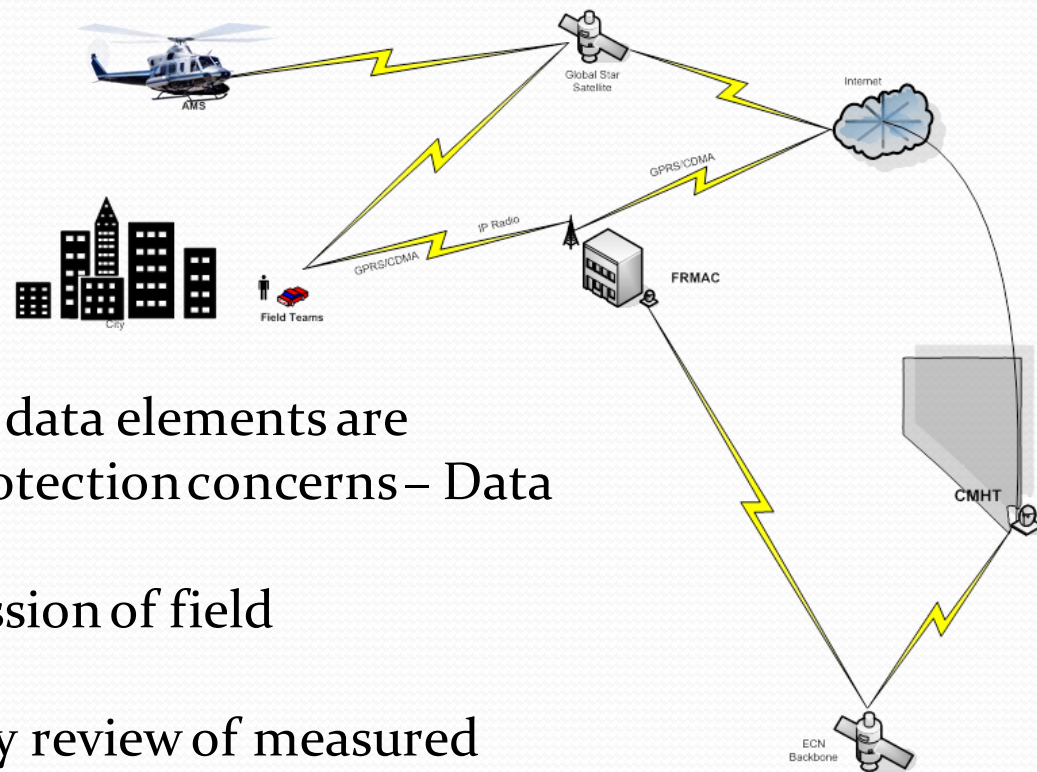


Initial Reactive Response transitions to Proactive Response

# How does FRMAC support the Critical Decision Process

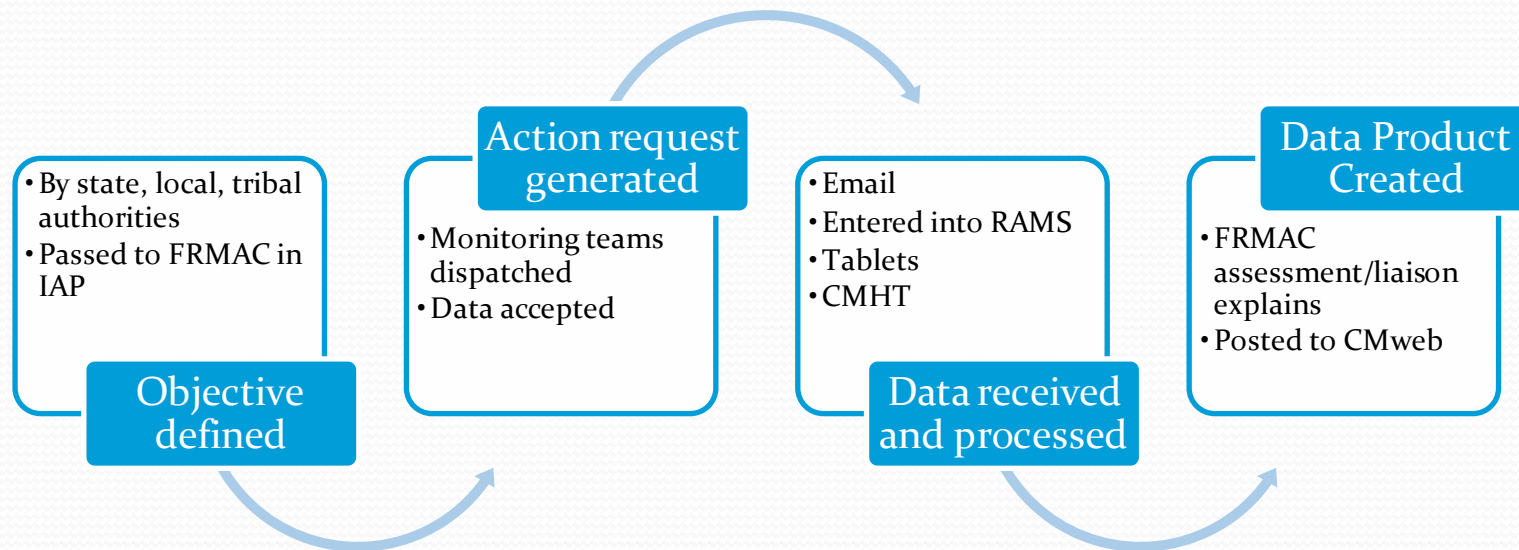
What are the prime elements for successful response organization

- Clear understanding of what data elements are required to answer public protection concerns – Data Quality Objectives (DQO)
- Swift collection and transmission of field measurements
- Electronic storage and quality review of measured data
- Accessibility to collected data and assessed products





# How does FRMAC support the Critical Decision Process



“Communication and Information Dissemination”

# Summary

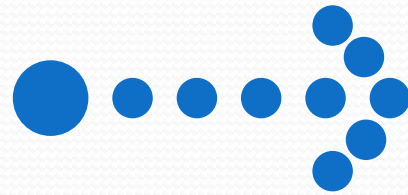
FRMAC Readiness



Command Strategic  
Objective Planning



Data Quality  
Objective



Public  
Protection  
Action  
Decisions