



# **NRC Regulatory Initiatives**

## **National Radiological Emergency Preparedness Conference 2009**

April 21, 2009

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# **Status of Emergency Preparedness Rulemaking & Guidance**

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April 21, 2009

# Current EP Rulemaking

- 11 EP Rulemaking Issues
  - Issues Identified in SECY-06-0200
  - 10 CFR 50.47(b), 10 CFR 50.54(q), & 10 CFR Part 50, Appendix E Affected
  - NRC Bulletin 2005-02 Items Codified
- SECY-09-0007 Submitted in January 2009
- Issuance of Commission SRM

# Proposed Rule Comments

- Proposed Rule Documents
  - ADAMS
  - [www.regulations.gov](http://www.regulations.gov)
    - Docket: NRC-2008-0122
- 75-Day Comment Period
- Multiple Public Meetings
  - Different Locations & Venues
  - Joint Sessions with FEMA
  - Pursuing Web Conferencing for “Virtual” Participation Opportunities

# Associated EP Guidance

- New Reg. Guide for Changing Emergency Plans (10 CFR 50.54(q))
- New NUREG/CR for Updating Evacuation Time Estimates
- Interim Staff Guidance for Remaining Topics
- FEMA Providing Offsite Guidance
- Guidance Published in Conjunction with Proposed Rule

# EP Rulemaking & Guidance Matrix

#	RULEMAKING TOPIC	ONSITE GUIDANCE
1	On-Shift Multiple Responsibilities	Interim Staff Guidance
2	Emergency Action Levels for Hostile Action Events	Reg. Guide 1.101
3	Emergency Response Organization Augmentation at Alternative Facility	Interim Staff Guidance
4	Licensee Coordination with Offsite Response Organizations	Interim Staff Guidance
5	Protective Actions for Onsite Personnel	Interim Staff Guidance
6	Challenging Drills and Exercises	Interim Staff Guidance
7	Alert and Notification System Backup Means	Interim Staff Guidance
8	Emergency Classification Timeliness	Interim Staff Guidance
9	Consolidated Emergency Operations Facility – Performance-Based Approach	Interim Staff Guidance
10	Evacuation Time Estimate Updating	New NUREG/CR
11	Emergency Plan Change Process	New Reg. Guide

# Requests for Input

- Inclusion of National Incident Management System/Incident Command System in EP programs
- Shift staffing and augmentation
- Expanding to non-power reactor licensees requirements for:
  - Detailed analyses demonstrating timely performance of emergency response functions by on-shift personnel
  - Capability to assess, classify, and declare an emergency condition within 15 minutes
  - Hostile action event emergency action levels
- Effective date
- Implementation schedule

# Contact

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# **Revision of NUREG-0654 Supp. 3**

Randy Sullivan, CHP  
April 21, 2009

# Introduction

- Staff recommended a review of protective action recommendation (PAR) guidance
- Commission directed that the study proceed
- Sandia study began in late 2004

# PAR Study Objective

- Investigate if the use of alternative protective actions can reduce public dose during severe accidents

## Alternatives Tested

- Shelter in place for various times – (within current regimen, but limited use)
- Preferred sheltering for various times (in large public buildings, etc.)
- Lateral evacuation (crosswind)
- Staged evacuation (evacuation nearby, initially shelter others)

# Results

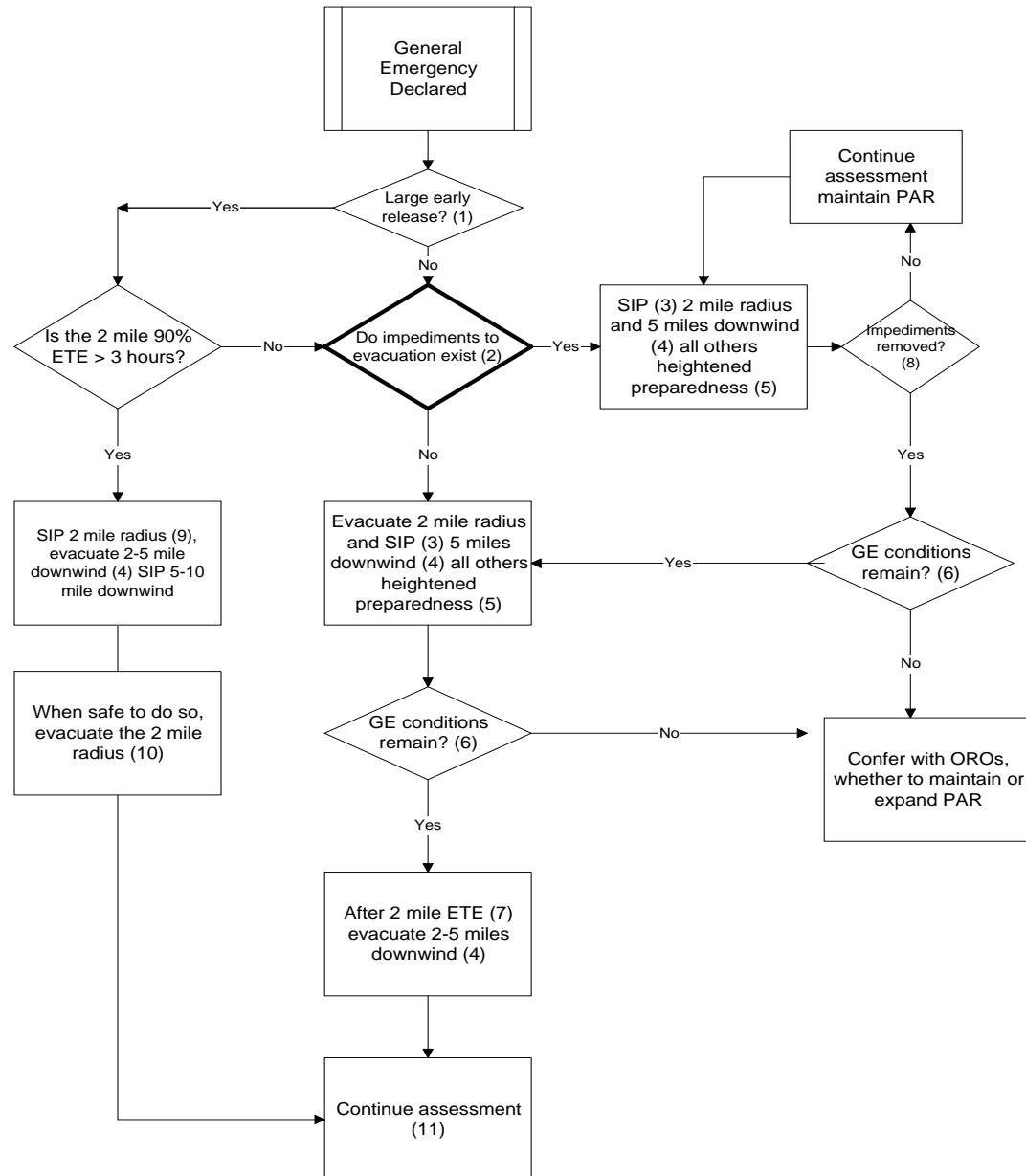
- Revise NUREG-0654, Supplement 3
  - Evacuation remains major element
  - Consider staged evacuation
  - Shelter in place followed by evacuation is more protective than standard PAR for large early release at sites with longer evacuation times

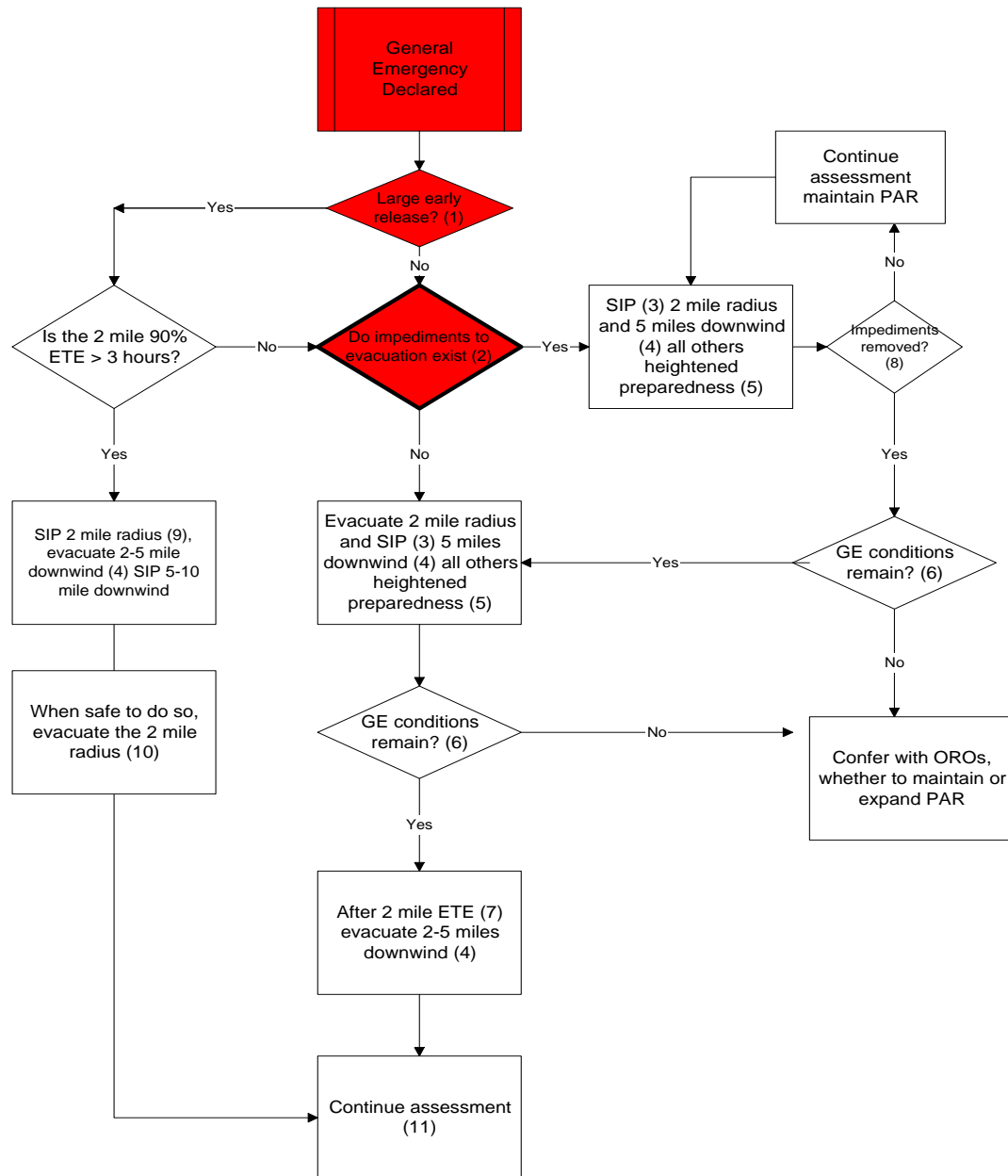
## **Focus Groups and Telephone Survey**

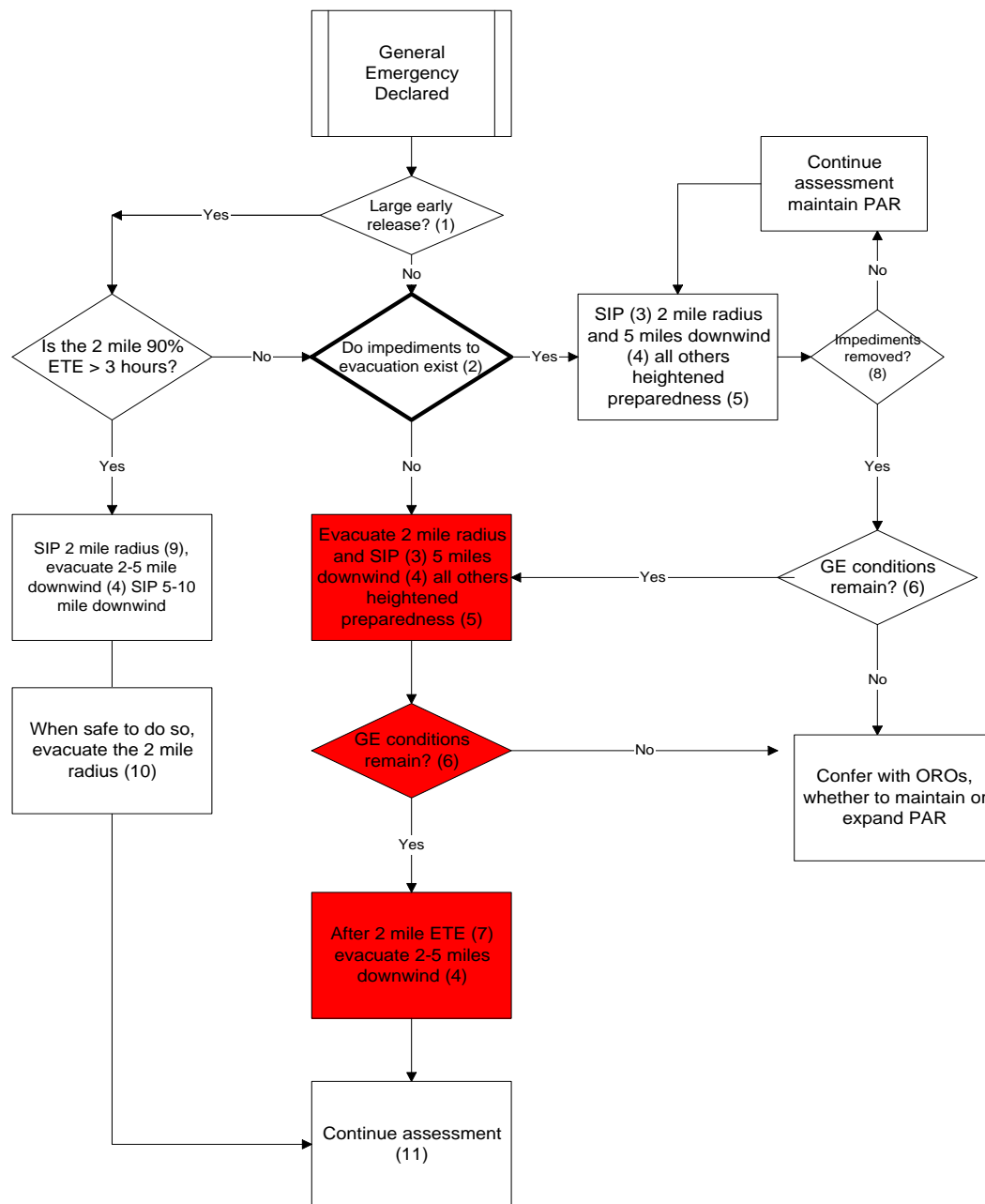
- People will implement protective actions when asked
- Message affects rate of compliance
- Emergency responders will report for duty

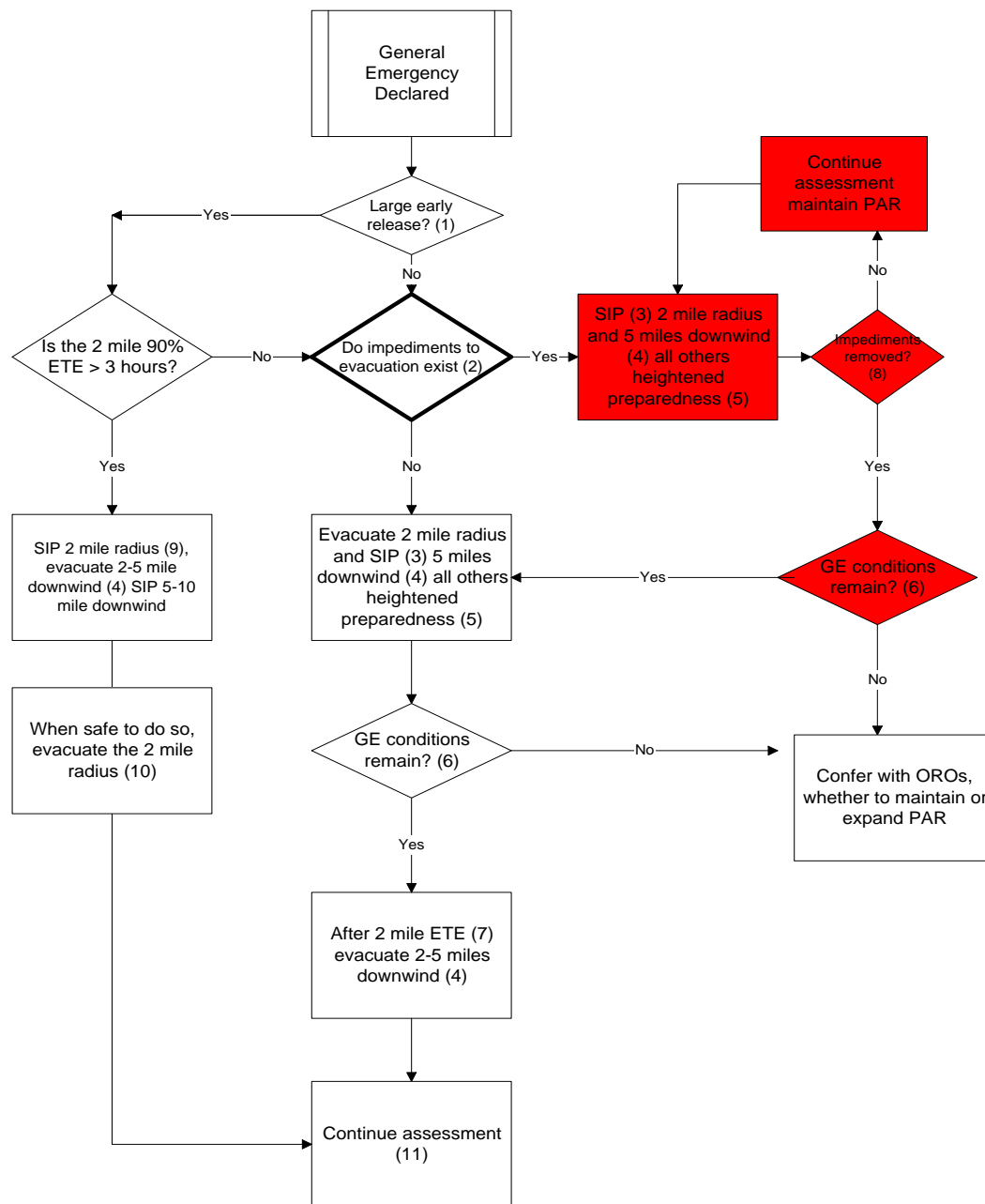
# Implementation of Study Conclusions

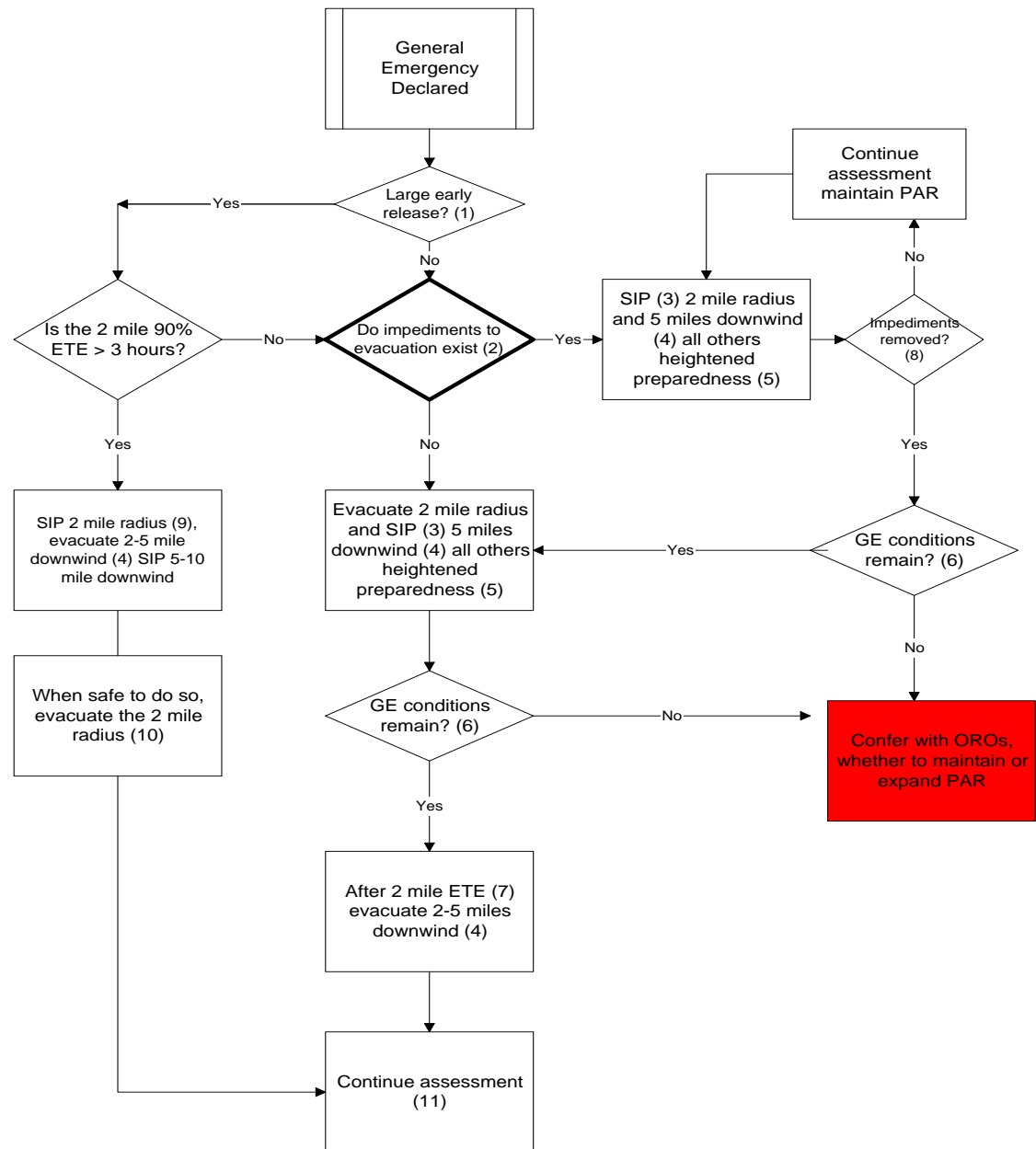
- Draft PAR Logic Diagram
- Gather stakeholder feedback
- Align with FEMA
- Formal review and approval process
- Issue guidance (2010)

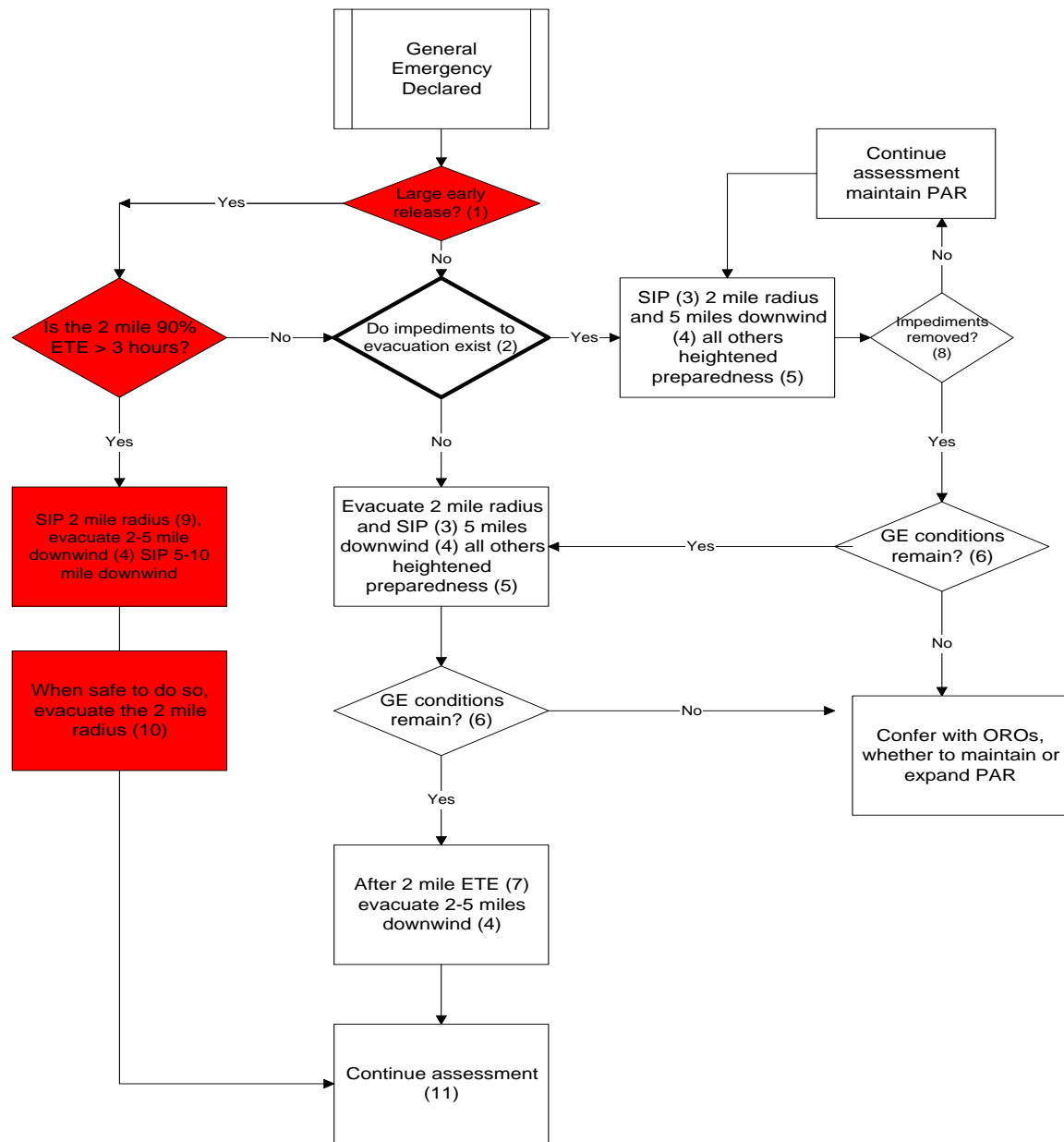


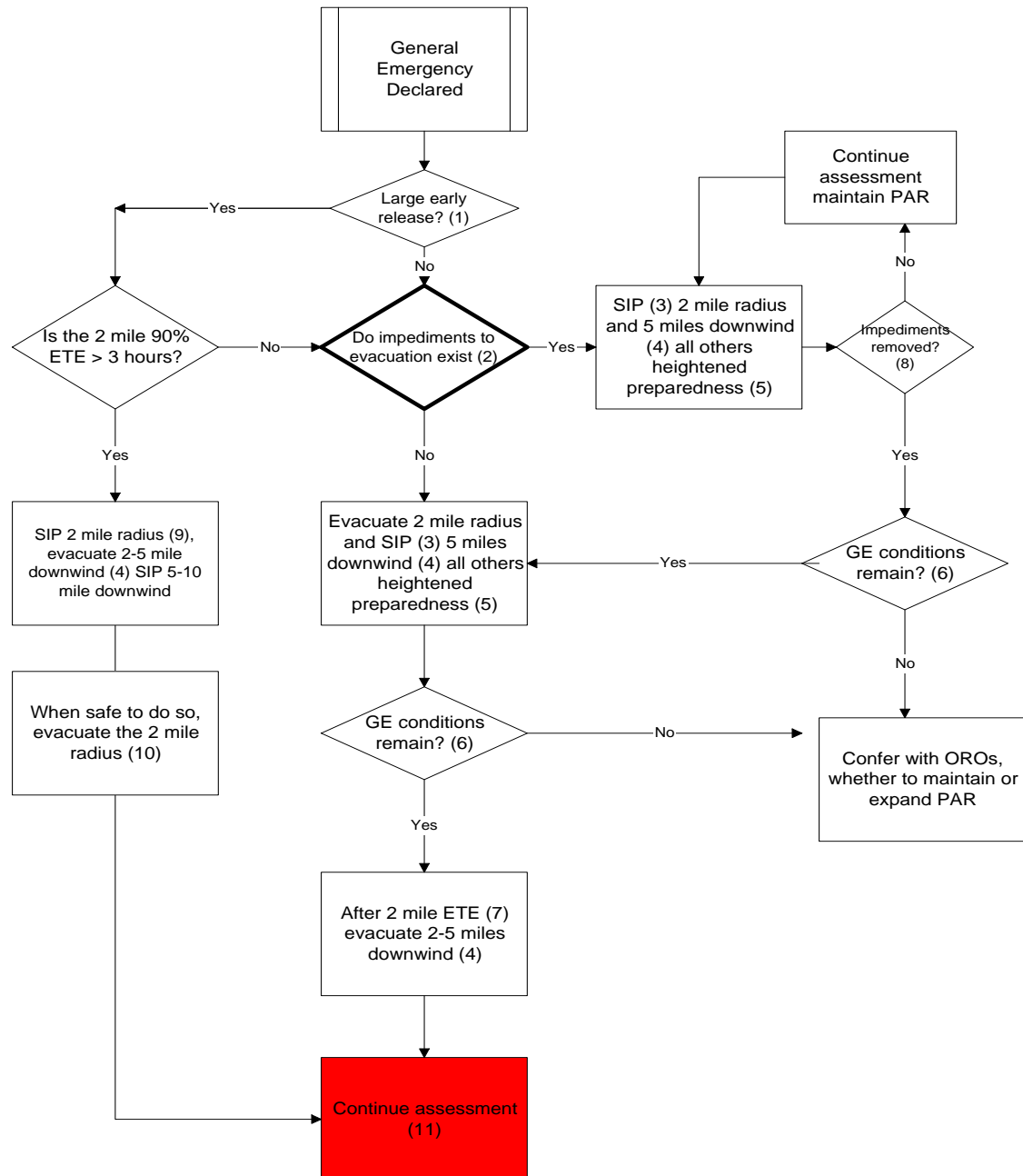












# Questions?

<http://www.nrc.gov/reading-rm/doc-collections/nuregs/contract/cr6953/>

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