



# Disaster Preparedness & Response

## Are You Ready?

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# Overview

- Regulatory Drivers
- Disaster Program Guidance
- Emergency Management Structure
- Levels of Activation
- Health & Safety Plan Topics
- Disaster Worker Types
  - HAZWOPER
  - Secondary Responder
  - Restoration Workers
- Exercising Disaster Preparedness and Response





# Regulatory Drivers - OSHA

## 29 CFR

1910.38 Emergency Action Plans

1910 Subpart D - Walking Working Surfaces (ladders, floor & wall openings, scaffolding)

1910 Subpart F – Powered Platforms, Manlifts, Vehicle Mounted Platforms

1910.95 – Noise

1910.120 – HAZWOPER

1910 Subpart I - PPE, Respiratory Protection

1910 Subpart J – Sanitation, Temporary Labor Camps, PRCS, LOTO

1910 Subpart K – Medical and First Aid

1910 Subpart N – PIT, Cranes, Derricks, Helicopters, Slings

1910 Subpart P – Hand Tools and Portable Power Tools

1910 Subpart Q – Welding, Cutting & Brazing

1910.268 – Telecommunications

1910 Subpart S – Electrical

1910 – Subpart Z – Toxic & Hazardous Substances





# Regulatory Drivers – DOT

## 49 CFR

Part 40 – Drug & Alcohol Testing Requirements

Part 382 – Drug & Alcohol Testing Procedures

Part 383 – Commercial Driver License

Part 390 – Federal Motor Carrier Regulations

Part 392 – Driving Commercial Motor Vehicles

Part 393 – Parts and Accessories

Part 395 – Hours of Service

Part 397 – Transportation of Hazardous Materials





# Regulatory Drivers – EPA

## 40 CFR

Parts 60, 85, 89, 94, 1039, 1065 and 1068 - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Part 63 National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Part 112 Oil Pollution Prevention; Spill Prevention, Control and Countermeasure Plan Requirements

Part 122 Final National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges From Construction Activities

Part 450 Effluent Limitations Guidelines and Standards for the Construction and Development Point Source Category

Parts 261, 262, 264, 265, 270 and 271 - Hazardous Waste Treatment, Storage and Disposal Facilities and Hazardous Waste Generators

## State and Local Requirements





# Disaster Program Guidance

- EH&S Considerations for Disaster Preparedness and Response
- Restoration Worker Training
- Recommended Equipment for Emergency Workers Deployed In a Disaster Area
- Restoration Worker Safety Procedures
- Health and Safety Considerations for Tent City
- Deployment and Operation of Portable Kitchens
- Restoration of Facility Water Distribution Systems after a Boil Water Notice
- Deployment and Operation of Temporary Fueling Stations
- Reconnaissance Procedures
- Damage Assessment Data Collection





# Management Structure & Activation Levels

## Level 1 - Localized Outage/Damage

- Local Response Center
- Business As Usual
- Restoration By Local Teams

## Level 2 - Outage Exceeds Capacity of Local Teams

- Emergency Operations Center
- Deployment of Outside Resources

## Level 3 - Regional Incident

- Network Operations Centers - Monitors Outages, Establishes Priorities
- Management of Multiple EOCs

## Level 4 - Major Event

- Global Command Center
- Deployment of Extensive Resources and Coordination
- Executive Engagement





# AT&T 3CP — Command, Control & Communications



## AT&T 3P — Preventive, Predictive, Proactive





# Health and Safety Plan Topics

Flooding

Tornadoes

Hurricanes

Landslides

Wildfires

Chemical/Biological Release

Winter Storm

Oil Spill Response Operations

Earthquake

Nuclear Power Plant Event

Volcanic Activity

Terrorist Attack

Pandemic





# September 2008 — Hurricane Ike



Network office recovery on Galveston Island



Satellite COLT at on the Bolivar Peninsula



# Types of Disaster Workers

## HazMat Technician

- 40-Hr Initial / 8-hr Annual Refresher
- Telecommunications Work in HazMat Impacted Areas



## Secondary Responder (Recon)

- Leader-Led Training – OSHA Disaster Site Worker Program
- AT&T - Classroom, Hands-On And Field Exercises
- Target Workers that Respond Once Area is Cleared by Local Authorities



## Restoration Worker

- Target Workers who Respond After Secondary Responders
- On-Site Disaster Awareness During Deployments
- Use of Business As Usual Practices and Procedures



# September 2008 — Hurricane Ike



## AT&T Network Response

3,000 technicians (24x7)

200 construction contractors  
(24x7)

2,800 generators

62,000 gallons of gas, 75,000  
gallons of diesel and 13,000  
gallons of propane to fuel  
generators.

\$250,000 grant to fund mobile  
Internet access centers, support  
for evacuation centers, and safety  
message sent on behalf of U.S.  
Centers for Disease Control.

NDR deployments for wireless and  
wireline recovery.





# Exercising Disaster Preparedness and Response

## Site Level

- Building Emergency Evacuation Plan
- Emergency Coordinator and Emergency Action Team
- Periodic Evacuation Drills

## Organizational Level

- Business Continuity Plans
- Restoration Teams
- Table Top Exercises

## Management Level

- Table Top Exercises with Emergency Management Agencies
- On-site training with federal, state and local emergency agencies
- Participation in FEMA National Level Exercises (NLE)



# AT&T 3P — Proactive, Predictive, Preventive

High Profile Events  
U.S. Presidential Inauguration



Hurricane Preparedness



High Profile Events  
Super Bowl XLV



2010 Winter Olympics



# AT&T Network Disaster Recovery



Specially Designed Recovery Equipment

The team has conducted 61 field technology recovery exercises since 1992. AT&T has made a \$600 million investment in over 320 trailers and support vehicles containing network technology, infrastructure, and support elements.

