

**2022 THREAT AND HAZARD
IDENTIFICATION AND RISK
ASSESSMENT (THIRA)**

**PERMIAN BASIN REGIONAL
PLANNING COMMISSION (PBRPC)**

Board Approved 1/18/23

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THIRA Overview

The THIRA is a three-step risk assessment that helps answer the following questions:

- What threats and hazards can affect our community?
- If they occurred, what impacts would those threats and hazards have on our community?
- Based on those impacts, what capabilities should our community have?

The THIRA helps communities understand their risks and determine the level of capability they need in order to address those risks. The outputs from this process lay the foundation for determining a community's capability gaps during the SPR process.

The THIRA follows a three-step process, as described in *Comprehensive Preparedness Guide 201, Third Edition*:

1. **Identify Threats and Hazards.** Based on a combination of experience, forecasting, subject matter expertise, and other available resources, develop a list of threats and hazards that could affect the community. When deciding what threats or hazards to include in the THIRA, communities consider only those that challenge the community's ability to deliver at least one core capability more than any other incident; the THIRA is not intended to include less challenging threats and hazards.
2. **Give Threats and Hazards Context.** Describe the threats and hazards identified in Step 1, showing how they may affect the community and create challenges in performing the core capabilities. Identify the impacts a threat or hazard may have on a community.
3. **Establish Capability Targets.** Using the impacts described in Step 2, determine the level of capability that the community plans to achieve over time in order to manage the threats and hazards it faces. Using standardized language, create capability targets for each of the core capabilities based on this desired level of capability by identifying impacts, objectives, and timeframe metrics. A core capability is comprised of several functional areas in which a community may have a gap. Each required standardized target addresses one or more functional areas.

Report Overview

This report contains two sections:

- **THIRA Steps 1 and 2: Threats /Hazards Context and Impacts**
 - Identified threats and hazards

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- Scenario descriptions
- Standardized impacts
- **THIRA Step 3: Capability Targets**
 - Standardized capability targets

Threat/Hazard Descriptions and Impacts *(add additional scenarios as needed)*

Category	Threat/Hazard Scenario Name	Terrorism?
Natural	Tornado	No
Scenario Description		
An F3 tornado strikes in the area of North Loop 250 Midland traveling south to downtown on a Saturday at approximately 7:00 p.m. in mid-June, in the hub for regional medical, business, and entertainment critical infrastructure/key resources districts, as well as an estimated 20,000 households.		

Standardized Impact Estimates (You have the option to include additional impacts, as needed)			
Impact Category	Estimate	Impact Category	Estimate
Fatalities	25	Partner Organizations Involved In Incident Management	15
People Requiring Medical Care	330	Customers (Without Power Service)	10,000
People Requiring Rescue	160	Customers (Without Water Service)	10,000
People Requiring Evacuation	400	Customers (Without Communication)	10,000
Exposed Individuals (Hazmat-Related Incidents)	N/A	Structure Fires	2
People With Access And Functional Needs (AFN) Affected	125	Miles Of Road Affected	15
People With Limited English Proficiency Affected	175	Affected Healthcare Facilities And Social Service Organizations	9
People Requiring Food and Water	400	Damaged Natural And Cultural Resources And Historic Properties	N/A
People Requiring Long-Term Housing	40	Businesses Closed Due To The Incident	52
People Requiring Shelter	400	Animals Requiring Shelter, Food, And Water	30
Jurisdictions Affected	3		

Sources Used to Develop Context Description and Calculate Impacts (Optional)
SME's reasonable best estimates, previous THIRA, current plans

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Category	Threat/Hazard Scenario Name	Terrorism?
Technological	Hazmat Chemical Release	No
Scenario Description		
<p>A freight train derailment of several cars in the city of Odessa along 2nd Street near the intersection of Grant Street in vicinity of downtown. One of the cars is carrying 60 tons of chlorine, and the tank wall is punctured during derailment, releasing 37% of the chlorine on a Monday morning at 9:00 a.m. in March with winds at 15 mph traveling N/NW and temperature around 65°F and 80% humidity resulting in a toxic chlorine plume migrating low near the ground and rapidly toward key facilities, such as PD, Courthouse, FD, Hospital, School, Jail, residential area, and businesses. Multiple evacuation of the affected areas causes public panic. Event creates long-term economic recovery and environmental hazards and threats issues.</p>		

Standardized Impact Estimates (You have the option to include additional impacts, as needed)			
Impact Category	Estimate	Impact Category	Estimate
Fatalities	15	Partner Organizations Involved In Incident Management	13
People Requiring Medical Care	175	Customers (Without Power Service)	N/A
People Requiring Rescue	10	Customers (Without Water Service)	N/A
People Requiring Evacuation	5,000	Customers (Without Communication)	N/A
Exposed Individuals (Hazmat-Related Incidents)	800	Structure Fires	N/A
People With Access And Functional Needs (AFN) Affected	1,000	Miles Of Road Affected	30
People With Limited English Proficiency Affected	238	Affected Healthcare Facilities And Social Service Organizations	20
People Requiring Food and Water	200	Damaged Natural And Cultural Resources And Historic Properties	N/A
People Requiring Long-Term Housing	0	Businesses Closed Due To The Incident	116
People Requiring Shelter	200	Animals Requiring Shelter, Food, And Water	N/A
Jurisdictions Affected	4		

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Sources Used to Develop Context Description and Calculate Impacts (Optional)

SME's reasonable best estimates, previous THIRA, current plans

Category	Threat/Hazard Scenario Name	Terrorism?
Natural	Wildfire	No

Scenario Description

At 4:00 p.m. on Friday, July 3, a wildfire that originated in western Midland County from blown out truck tire along SH191 rapidly rolls into the western part of City of Midland, threatening hundreds of homes in the residential areas, including Grasslands. Wind speed is 40 mph moving east. Temperature is 100 degrees with less than 10% humidity. No rainfall in 6 weeks.

Standardized Impact Estimates (You have the option to include additional impacts, as needed)

Impact Category	Estimate	Impact Category	Estimate
Fatalities	2	Partner Organizations Involved In Incident Management	15
People Requiring Medical Care	15	Customers (Without Power Service)	10,000
People Requiring Rescue	5	Customers (Without Water Service)	3,000
People Requiring Evacuation	13,000	Customers (Without Communication)	300
Exposed Individuals (Hazmat-Related Incidents)	N/A	Structure Fires	15
People With Access And Functional Needs (AFN) Affected	200	Miles Of Road Affected	12
People With Limited English Proficiency Affected	100	Affected Healthcare Facilities And Social Service Organizations	4
People Requiring Food and Water	150	Damaged Natural And Cultural Resources And Historic Properties	N/A
People Requiring Long-Term Housing	30	Businesses Closed Due To The Incident	N/A
People Requiring Shelter	1,000	Animals Requiring Shelter, Food, And Water	N/A
Jurisdictions Affected	4		

Sources Used to Develop Context Description and Calculate Impacts (Optional)

SME's reasonable best estimates, previous THIRA, current plans

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Category	Threat/Hazard Scenario Name	Terrorism?
Human Caused	Active Shooter	Yes
Scenario Description		
<p>On August 31, 2019 at 3:17 p.m. in Midland, Texas, a Texas State Trooper pulled over a vehicle on Interstate 20 for failure to signal a left turn. The driver shot the trooper and drove westbound toward Odessa continuing to shoot at people along I-20. Once in Odessa, he abandoned his vehicle and hijacked a United States Postal Service truck, killing the letter carrier and continued to drive and shoot people, making his way into the parking lot of a busy movie theater, where police were able to stop him before he made it inside.</p>		

Standardized Impact Estimates (You have the option to include additional impacts, as needed)			
Impact Category	Estimate	Impact Category	Estimate
Fatalities	8	Partner Organizations Involved In Incident Management	12
People Requiring Medical Care	23	Customers (Without Power Service)	N/A
People Requiring Rescue	N/A	Customers (Without Water Service)	N/A
People Requiring Evacuation	200	Customers (Without Communication)	N/A
Exposed Individuals (Hazmat-Related Incidents)	N/A	Structure Fires	N/A
People With Access And Functional Needs (AFN) Affected	2	Miles Of Road Affected	36
People With Limited English Proficiency Affected	35	Affected Healthcare Facilities And Social Service Organizations	N/A
People Requiring Food and Water	N/A	Damaged Natural And Cultural Resources And Historic Properties	N/A
People Requiring Long-Term Housing	N/A	Businesses Closed Due To The Incident	50
People Requiring Shelter	N/A	Animals Requiring Shelter, Food, And Water	N/A
Jurisdictions Affected	4		

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Sources Used to Develop Context Description and Calculate Impacts (Optional)

Real World Event – Active Shooter on August 31, 2019

Category	Threat/Hazard Scenario Name	Terrorism?
Choose an item.		Choose an item.
Scenario Description		

Standardized Impact Estimates (You have the option to include additional impacts, as needed)			
Impact Category	Estimate	Impact Category	Estimate
Fatalities		Partner Organizations Involved In Incident Management	
People Requiring Medical Care		Customers (Without Power Service)	
People Requiring Rescue		Customers (Without Water Service)	
People Requiring Evacuation		Customers (Without Communication)	
Exposed Individuals (Hazmat-Related Incidents)		Structure Fires	
People With Access And Functional Needs (AFN) Affected		Miles Of Road Affected	
People With Limited English Proficiency Affected		Affected Healthcare Facilities And Social Service Organizations	
People Requiring Food and Water		Damaged Natural And Cultural Resources And Historic Properties	
People Requiring Long-Term Housing		Businesses Closed Due To The Incident	
People Requiring Shelter		Animals Requiring Shelter, Food, And Water	
Jurisdictions Affected			

Sources Used to Develop Context Description and Calculate Impacts (Optional)

Capability Targets

Planning

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within every **5 years** update all emergency operations plans that define the roles and responsibilities of **15** partner organizations involved in incident management across **46** jurisdictions affected, and the sequence and scope of tasks needed to prevent, protect, mitigate, respond to, and recover from events.

Capability Target Context

Our region includes 17 counties and 29 cities, with typically 15 partner agencies involved in emergency planning and response, including city and county law enforcement agencies, emergency management coordinators, health facilities and State and Federal law enforcement agencies. TDEM requires that all emergency operations plans are updated every 5 years and has a new database for these plans to be uploaded into: VEOCI. Plans must be at the Intermediate or Advanced level to be eligible for grant funds.

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

HAZMAT

Public Information and Warning

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **15 minutes** notice of an incident, deliver reliable and actionable information to **110,000** people affected, including **22,000** people with access and functional needs (affected) and **5,000** people with limited English proficiency affected.

Capability Target Context

Historically, the region faces significant weather-related hazards, such as tornadoes and wildfires.

Numbers are derived from:

- *Previous events and added worst case scenario*
- *Current plans and capabilities*
- *2020 US Census, Midland Tx Quick Facts*
- *SME's and EMC's*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

TORNADO

Operational Coordination

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **1 hour** of a potential or actual incident, establish and maintain a unified and coordinated operational structure and process across **2** jurisdictions affected and with **15** partner organizations involved in incident management. Maintain for **3** day(s).

Capability Target Context

Historically, the region faces significant weather-related hazards, such as tornadoes, floods and wildfires.

Numbers are derived from:

- *Previous events and added worst case scenario*
- *Current plans and capabilities*
- *2020 US Census, Midland Tx Quick Facts*
- *SME's and EMC's*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

TORNADO

Forensics and Attribution

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **30 minutes** of a suspected terrorist attack, conduct outreach to the fusion center and Joint Terrorism Task Force (JTTF) in the community and identify **5** personnel assigned to support follow up information sharing, intelligence analysis, and/or investigative actions associated with the collection, examination, and analysis of evidence, as well as the identification of perpetrators.

Capability Target Context

The Region relies heavily on the capabilities of the Joint Operations Intelligence Centers and Fusion Centers, Texas DPS Counter Terrorism Unit, and the FBI and its Joint Terrorism Task Force.

Numbers are derived from:

- *Real world event - Active Shooter August 31, 2019*
- *Active Shooter After Action Report*
- *Law Enforcement*
- *Current Emergency Operations Plans*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

ACTIVE SHOOTER

Intelligence and Information Sharing

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **30 minutes** of the identification or notification of a credible threat, identify/analyze local context of the threat for the respective area of responsibility, and facilitate the sharing of threat information with **15** priority intelligence stakeholder agencies/entities in accordance with the intelligence cycle, and all dissemination protocols.

Capability Target Context

The Region relies heavily on the capabilities of the Joint Operations Intelligence Centers and Fusion Centers, Texas DPS Counter Terrorism Unit, and the FBI and its Joint Terrorism Task Force.

Numbers are derived from:

- *Real world event - Active Shooter August 31, 2019*
- *Active Shooter After Action Report*
- *Law Enforcement*
- *Current Emergency Operations Plans*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

ACTIVE SHOOTER

Interdiction and Disruption

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **30 minutes** of the identification or notification of a credible threat, conduct outreach to the fusion center and Joint Terrorism Task Force (JTTF) in the community and identify **15** personnel assigned to support follow up interdiction and disruption activities that may be undertaken against identified suspects and/or contraband.

Capability Target Context

The Region relies heavily on the capabilities of the Joint Operations Intelligence Centers and Fusion Centers, Texas DPS Counter Terrorism Unit, and the FBI and its Joint Terrorism Task Force.

Numbers are derived from:

- *Real world event - Active Shooter August 31, 2019*
- *Active Shooter After Action Report*
- *Law Enforcement*
- *Current Emergency Operations Plans*
- *SME's*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

ACTIVE SHOOTER

Screening, Search, and Detection

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **30 minutes** of notice of a credible threat, conduct screening, search, and detection operations for **175** people requiring screening, including **20** people with access and functional needs (requiring screening).

Capability Target Context

Based on worst case scenario and the use of Emergency Operation Plans, Subject-matter experts (SMEs) along with Exercises, After-Action Reports, previous THIRA/SPR and the 2020 US Census Midland Tx Quick Facts were utilized for this target.

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

HAZMAT

Access Control and Identity Verification

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **30 minutes** of an event, be prepared to accept credentials from **12** partner organizations involved in incident management.

Capability Target Context

Based on worst case scenario with Subject Matter Experts, Emergency Operations Plans, Previous THIRA, and regional exercises and drills.

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

HAZMAT

Cybersecurity

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Every **6 months**, appropriate authorities review and update cyber incident plans/annexes based on evolving threats covering **20** publicly managed and/or regulated critical infrastructure facilities.

Capability Target Context

Based on worst case scenario with Subject Matter Experts, Emergency Operations Plans, Previous THIRA, and regional exercises and drills.

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

TORNADO

Physical Protective Measures

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **2 weeks** of completing a risk and vulnerability assessment, appropriate authorities review and update physical security plans covering **20** publicly managed and/or regulated critical infrastructure facilities to incorporate new information from the assessment.

Capability Target Context

Based on Subject Matter Experts, Emergency Operations Plans, Previous THIRA, and regional exercises and drills.

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

HAZMAT

Risk Management for Protection Programs and Activities

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Every **year**, appropriate authorities conduct a review of relevant physical and cyber threats and hazards, vulnerabilities, and strategies for risk management covering **120** publicly managed and/or regulated critical infrastructure facilities.

Capability Target Context

Numbers are derived from:

- *Previous events*
- *Current plans and capabilities*
- *SME's and EMC's*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

TORNADO

Supply Chain Integrity and Security

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Every **year**, engage **17** partner organizations involved in incident management to promote awareness of threats, dependencies, vulnerabilities, and strategies to support restoration of private sector supply chains.

Capability Target Context

Numbers are derived from:

- *Real world event – Active Shooter August 31, 2019*
- *After Action Review*
- *Current capabilities*
- *SME's and EMC's*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

ACTIVE SHOOTER

Community Resilience

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Every **3 years**, conduct **2** outreach events or activities to increase awareness of locally significant threats and hazards to help the residents be more prepared to prevent, protect against, mitigate, respond to, and recover from those events.

Capability Target Context

The region faces significant weather-related hazards, such as tornadoes, floods and wildfires.

Numbers are derived from:

- *Previous weather related events*
- *Current emergency plans and capabilities*
- *Emergency Management Coordinators*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

TORNADO

Long-term Vulnerability Reduction

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Every **year**, **46** jurisdictions review their building codes, and, if necessary, enact or update risk-appropriate, disaster resilient building codes.

Capability Target Context

The Region has 17 counties and 29 cities, involved in emergency planning and response.

Numbers are derived from:

- *Emergency Management Coordinators*
- *Fire, EMS*
- *SME's*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

TORNADO

Risk and Disaster Resilience Assessment

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Every **2 years**, after identifying threats and hazards of concern, model the impacts of **4** threat and hazard scenarios to incorporate into planning efforts.

Capability Target Context

This was based on the use of Current Emergency Operation Plans, Subject-matter experts (SMEs), Local weather and incident events and What the current capabilities are.

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

HAZMAT

Threats and Hazards Identification

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Every **year**, engage with **46** jurisdictions and **15** partner organizations involved in incident management to assess the threats and hazards that are realistic and would significantly impact your communities.

Capability Target Context

Numbers are derived from:

- *Domestic Preparedness Advisory Committee (DPAC)*
- *Emergency Management Coordinators*
- *Fire, EMS, Health agencies*
- *Law Enforcement*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

ACTIVE SHOOTER

Critical Transportation

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **2 hours**' notice of an impending incident, complete the evacuation of **400** people requiring evacuation, including **125** people with access and functional needs (requiring evacuation).

Within **2.5 hours** of an incident, clear **15** miles of road affected, to enable access for emergency responders, including private and non-profit.

Capability Target Context

The region faces significant weather-related hazards, such as tornadoes, floods and wildfires.

Numbers are derived from:

- *Previous events and added worst case scenario*
- *Fire, EMS, Law Enforcement*
- *Emergency Operation Plans*
- *2020 US Census, Midland Tx Quick Facts*
- *EMC's*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

TORNADO

Environmental Response/Health and Safety

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **1 hour** of an incident, assess, contain, and begin cleaning up hazardous material releases from **1** hazmat release sites.

Within **2 hours** of a hazmat incident, complete decontamination procedures for **60** exposed individuals (hazmat-related incidents).

Capability Target Context

Based on worst case scenario and current capabilities

Numbers are derived from:

- *Fire, EMS, Law Enforcement*
- *Available Resources*
- *Emergency Operation Plans*
- *EMC's*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

HAZMAT

Fatality Management Services

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **12 hours** of an incident, complete the recovery, identification, and mortuary services, including temporary storage services, for **25** fatalities.

Capability Target Context

Based on previous weather-related events and worst case scenario

Numbers are derived from:

- *Fire, EMS, Law Enforcement*
- *EMC's*
- *Health Services*
- *Available Personnel and Local Resources*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

TORNADO

Fire Management and Suppression

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **3 hours** of an incident, conduct firefighting operations to suppress and extinguish **15** structure fires.

Capability Target Context

Based on previous events

Numbers are derived from:

- *Fire, EMS, Law Enforcement*
- *EMC's*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

WILDFIRE

Logistics and Supply Chain Management

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **3 hours** of an incident, identify and mobilize life-sustaining commodities, resources, and services to **400** people requiring shelter and **400** people requiring food and water. Maintain distribution system for **3 months**.

Capability Target Context

Based on previous weather-related events and worst case scenario

Numbers are derived from:

- *Fire, EMS, Law Enforcement*
- *EMC's*
- *Local Resources*
- *Available Personnel/Volunteers*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

TORNADO

Mass Care Services

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **3 hours** of an incident, provide emergency sheltering, food, and water for **400** people requiring shelter and **400** people requiring food and water, including **75** people with access and functional needs (requiring accessible shelter) and **75** people with access and functional needs (requiring food and water), and **15** animals requiring shelter, food, and water. Maintain for **2 months**.

Within **2 months** of an incident, move **175** people requiring temporary, non-congregate housing, including **15** people with access and functional needs (requiring accessible, temporary, non-congregate housing), from congregate care to temporary housing.

Capability Target Context

Based on previous weather-related events and worst case scenario

Numbers are derived from:

- *Fire, EMS, Law Enforcement*
- *EMC's*
- *2020 US Census, Midland Tx Quick Facts*
- *Local Resources*
- *Best guess estimate from Lonestar Animal Shelter, Midland Texas*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

TORNADO

Mass Search and Rescue Operations

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **24 hours** of an incident, conduct search and rescue operations for **160** people requiring rescue.

Capability Target Context

Numbers are derived from:

- *Fire, EMS, Law Enforcement*
- *EMC's*
- *Emergency Operations Plans*
- *Available Resources*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

TORNADO

On-scene Security, Protection, and Law Enforcement

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **15 minutes** of an incident, provide security and law enforcement services to protect emergency responders and **200** people affected.

Capability Target Context

Numbers are derived from:

- *Real world event – Active Shooter August 31, 2019*
- *After Action Review*
- *Law Enforcement*
- *Current Responder Capabilities*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

ACTIVE SHOOTER

Operational Communications

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **30 minutes** of an incident, establish interoperable communications across **4** jurisdictions affected and with **12** partner organizations involved in incident management. Maintain for **3 hours**.

Capability Target Context

Numbers are derived from:

- *Real world event – Active Shooter August 31, 2019*
- *After Action Review*
- *Law Enforcement*
- *Technical Advisor of the Permian Basin Communications System*
- *Fire & EMS*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

ACTIVE SHOOTER

Public Health, Healthcare, and Emergency Medical Services

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **6 hours** of an incident, complete triage, begin definitive medical treatment, and transfer to an appropriate facility **330** people requiring medical care.

Capability Target Context

The region faces significant weather-related hazards, such as tornadoes, floods and wildfires. Numbers are derived from:

- *Previous events and added worst case scenario*
- *Fire & EMS*
- *Emergency Operation Plans*
- *EMC's*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

TORNADO

Situational Assessment

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **15 minutes** of incident, and on a **1 hour** cycle thereafter, provide notification to leadership and **15** partner organizations involved in incident management of the current and projected situation. Maintain for **24 hours**.

Capability Target Context

Numbers are derived from:

- *Law Enforcement Agencies*
- *Fire & EMS*
- *EMC's*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

TORNADO

Infrastructure Systems

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **24 hours** of an incident, restore service to **10,000** customers without water service.

Within **24 hours** of an incident, restore service to **10,000** customers without wastewater service.

Within **24 hours** of an incident, restore service to **1,000** customers without communication service.

Within **24 hours** of an incident, restore service to **10,000** customers without electricity service.

Capability Target Context

The region faces significant weather-related hazards, such as tornadoes, floods and wildfires.

Numbers are derived from worst case scenario:

- *Previous weather related events*
- *Fire & EMS*
- *Current emergency plans and capabilities*
- *Emergency Management Coordinators*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

TORNADO

Economic Recovery

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within 1 month of an incident, reopen 52 businesses closed due to the incident.

Capability Target Context

The region faces significant weather-related hazards, such as tornadoes, floods and wildfires.

Numbers are derived from worst case scenario:

- *Previous weather-related events*
- *Geographic area within the region*
- *EMC's*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

TORNADO

Health and Social Services

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **2 weeks** of an incident, restore functions at **9** affected healthcare facilities and social service organizations.

Capability Target Context

Emergency Operation Plans, including All Hazard Mitigation Plans, Subject matter experts

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

TORNADO

Housing

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **2 months** of an incident, **30** people requiring long-term housing, including **8** people with access and functional needs (requiring accessible long-term housing), find and secure long-term housing.

Capability Target Context

Based on previous weather-related events and worst case scenario

Numbers are derived from:

- *Emergency Operations Plans*
- *Current Housing Economy*
- *SME's*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

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Natural and Cultural Resources

Capability Target (what the region reasonably expects to achieve in the next 3-5 years)

Within **1 month** of an incident, restore **5** damaged natural and cultural resources and historic properties registered in the jurisdiction.

Capability Target Context

Based on previous weather-related events and Geographical area

Numbers are derived from:

- *National Register Database, nps.gov*
- *SME's*

Which of your identified threats and hazards most challenges the region's ability to achieve this capability target?

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