2023 THREAT AND HAZARD IDENTIFICATION AND RISK ASSESSMENT (THIRA)

Ark-Tex Council of Governments (ATCOG)

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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

Category	Threat/Hazard Scenario Name	Terrorism?
Natural	Tornado	No

Scenario Description
An F3 tornado strikes the Richmond Ranch shopping district in Texarkana, Texas, at 9:00am on the day after Thanksgiving, which is when a massive amount of "Black Friday" shopping takes place. The storm and tornado result in 6 inches of precipitation within 1 hour and winds to the NW of 30 mph. The tornado impacts 10 square miles in the Texarkana area, affecting 55,000 residents, and 10,000 visitors and transients. The swath of the tornado runs diagonally across Richmond Ranch shopping district beginning on I-30, traveling over Richmond Road toward University Drive.

Standardized Impact Estimates (You have the option to include additional impacts, as needed)			
Impact Category	Estimate	Impact Category	Estimate
Fatalities	20	Partner Organizations Involved In Incident Management	20
People Requiring Medical Care	500	Customers (Without Power Service)	15,000
People Requiring Rescue	3,500	Customers (Without Water Service)	0
People Requiring Evacuation	10,000	Customers (Without Communication)	25,000
Exposed Individuals (Hazmat-Related Incidents)	N/A	Structure Fires	4
People With Access And Functional Needs (AFN) Affected	2,000	Miles Of Road Affected	25
People With Limited English Proficiency Affected	2,700	Affected Healthcare Facilities And Social Service Organizations	3
People Requiring Food and Water	16,000	Damaged Natural And Cultural Resources And Historic Properties	4
People Requiring Long-Term Housing	1,000	Businesses Closed Due To The Incident	1,750
People Requiring Shelter	4,000	Animals Requiring Shelter, Food, And Water	2,400
Jurisdictions Affected	4		

Sources Used to Develop Context Description and Calculate Impacts (Optional)
Discussions with law enforcement, Fire, and emergency management SMEs

Animals needs were determined by taking a percentage of the pet ownership data calculations located on the American Veterinary Medical Association site.

Access and functional Needs data was determined by taking a percentage of the disable population in the City of Texarkana Texas. Disability data used was from the American Community survey on datacensus.gov.

People with limited English Proficiency was determined by taking a percentage of the non- English speaking population in the City of Texarkana, Texas. Non English speaking data was from the American Community Survey on datacensus.gov.

Datacensus.gov

American Fact Finder

Wikipedia

National Park Service National Register of Historic Properties

Railroad Commission of Texas Public GIS Viewer

American Veterinary Medical Association Pet Ownership Calculator

Tex Americas Center Community Profile

Texas Department of Transportation

Google Maps

Case studies from other Tornados

Category	Threat/Hazard Scenario Name	Terrorism?
Technological	Hazmat Release-Chemical	No

Scenario Description
A railcar carrying chlorine derails at the intersection of East 3rd street and the railroad in Mt. Pleasant, Texas on a Sunday morning at 3am in March resulting in a chemical spill of 40,000 gallons of liquid chlorine. Wind speed is 15 mph moving SSW with 10% humidity resulting in evacuation of everything 5 square miles south of the incident, which is practically the southern half of the city with a mix of residential and industrial population affecting a total population of 16,000.

Standardized Impact Estimates (You have the option to include additional impacts, as needed)			
Impact Category	Estimate	Impact Category	Estimate
Fatalities	0	Partner Organizations Involved In Incident Management	10
People Requiring Medical Care	1000	Customers (Without Power Service)	N/A
People Requiring Rescue	0	Customers (Without Water Service)	N/A
People Requiring Evacuation	2000	Customers (Without Communication)	N/A
Exposed Individuals (Hazmat-Related Incidents)	1600	Structure Fires	N/A
People With Access And Functional Needs (AFN) Affected	1500	Miles Of Road Affected	3
People With Limited English Proficiency Affected	7,000	Affected Healthcare Facilities And Social Service Organizations	1
People Requiring Food and Water	1000	Damaged Natural And Cultural Resources And Historic Properties	N/A
People Requiring Long-Term Housing	N/A	Businesses Closed Due To The Incident	12
People Requiring Shelter	1,000	Animals Requiring Shelter, Food, And Water	N/A
Jurisdictions Affected	2		

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

Discussions with law enforcement, Fire, and emergency management SMEs

Access and functional Needs data was determined by taking a percentage of the disable population in the City of Mt. Pleasant, Texas. Disability data used was from the American Community survey on datacensus.gov.

People with limited English Proficiency was determined by taking a percentage of the non- English speaking population in Mt. Pleasant, Texas. Non English speaking data was from the American Community Survey on datacensus.gov.

Emergency Response Guidebook 2016

Datacensus.gov

American Fact Finder

Wikipedia

Railroad Commission of Texas Public GIS Viewer

Google Maps

National Park Service National Register of Historic Properties

Category	Threat/Hazard Scenario Name	Terrorism?
Human Caused	Active Shooter	Yes

Scenario Description
Around 10:00am at Paris Junior College in Paris Texas, an anonymous bomb threat is received claiming there are multiple bombs on campus. This is the first week of May, and thousands of students are on campus taking their final exams. As students and staff began to evacuate, shots rang out from the west end of the campus. A disgruntle employee who was terminated weeks' prior, was located with an AR-15 at the west emergency exit. No bombs were located on the campus, and the combination of events affects a total population of 6,000 people.

Standardized Impact Estimates (You have the option to include additional impacts, as needed)			
Impact Category	Estimate	Impact Category	Estimate
Fatalities	10	Partner Organizations Involved In Incident Management	12
People Requiring Medical Care	250	Customers (Without Power Service)	N/A
People Requiring Rescue	1200	Customers (Without Water Service)	N/A
People Requiring Evacuation	6000	Customers (Without Communication)	N/A
Exposed Individuals (Hazmat-Related Incidents)	N/A	Structure Fires	N/A
People With Access And Functional Needs (AFN) Affected	150	Miles Of Road Affected	N/A
People With Limited English Proficiency Affected	100	Affected Healthcare Facilities And Social Service Organizations	4
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	5
People Requiring Shelter	N/A	Animals Requiring Shelter, Food, And Water	N/A
Jurisdictions Affected	4		

Sources Used to Develop Context Description and Calculate Impacts (Optional)
Discussions with law enforcement, Fire, and emergency management SMEs

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Sources Used to Develop Context Description and Calculate Impacts (Optional)
Access and functional Needs data was determined by taking a percentage of the disable population in the City of Paris, Texas. Disability data used was from the American Community survey on datacensus.gov. People with limited English Proficiency was determined by taking a percentage of the non- English speaking population in the City of Paris, Texas. Non English speaking data was from the American Community Survey on datacensus.gov. Datacensus.gov American Fact Finder Case studies from other Active Shooter attacks

Category	Threat/Hazard Scenario Name	Terrorism?
Human Caused	Explosive Devices	Yes

Scenario Description
After dismantling the backup control valves, a terrorist strikes an unmonitored section of the 42" natural gas pipeline with 1400 pounds of pressure exposed near the compression station located at 1034 County Road 4223, Atlanta, Texas, at 10pm on July 12th, resulting in 400,000 cubic feet of compressed natural gas being released. The terrorist then sets it on fire, which causes an explosion and a continual burning fire that reaches temperatures of 1500 degrees. The wind speed is 10 mph moving east with 60% humidity. Pipeline company response time is at a minimum 30 minutes.

Standardized Impact Estimates (You have the option to include additional impacts, as needed)			
Impact Category	Estimate	Impact Category	Estimate
Fatalities	1	Partner Organizations Involved In Incident Management	10
People Requiring Medical Care	5	Customers (Without Power Service)	N/A
People Requiring Rescue	15	Customers (Without Water Service)	N/A
People Requiring Evacuation	100	Customers (Without Communication)	N/A
Exposed Individuals (Hazmat-Related Incidents)	15	Structure Fires	3
People With Access And Functional Needs (AFN) Affected	11	Miles Of Road Affected	2
People With Limited English Proficiency Affected	4	Affected Healthcare Facilities And Social Service Organizations	1
People Requiring Food and Water	N/A	Damaged Natural And Cultural Resources And Historic Properties	0
People Requiring Long-Term Housing	N/A	Businesses Closed Due To The Incident	1
People Requiring Shelter	N/A	Animals Requiring Shelter, Food, And Water	N/A
Jurisdictions Affected	2		

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

Discussions with law enforcement, Fire, and emergency management SMEs Coordinators

Access and functional Needs data was determined by taking a percentage of the disable population in the City of Atlanta, Texas. Disability data used was from the American Community survey on datacensus.gov.

People with limited English Proficiency was determined by taking a percentage of the non- English speaking population in the City of Atlanta, Texas. Non English speaking data was from the American Community Survey on datacensus.gov.

Railroad Commission of Texas Public GIS Viewer

Pipeline Awareness.org

Subject Matter Experts – Emergency Management Coordinators

Railroad Commission of Texas Public GIS Viewer

Datacensus.gov

American Fact Finder

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 **75** partner organizations involved in incident management across **38** jurisdictions affected, and the sequence and scope of tasks needed to prevent, protect, mitigate, respond to, and recover from events.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

In our region, emergency operation plans are being updated on a 5-year cycle. Our region includes 38 jurisdictions, with 50 partner organizations typically involved in disaster planning and response.

Partner agencies include red cross, public works, 211, NETRAC, NETPC, VOADS, COADS, County/City/State Law Enforcement Agencies, public health facilities, public works, and private sector partners.

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

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Public Information and Warning

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

Within **1-hour** notice of an incident, deliver reliable and actionable information to **65,000** people affected, including **150** people with access and functional needs (affected) and **5,000** people with limited English proficiency affected.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

Capability target deprived from worst case scenario in which a tornado hits the City of Texarkana, affecting 55,000 residents and 10,000 transients. Limited English proficiency data was formed by calculating the City of Texarkana's non-English speaking population from the American Community Survey. In most jurisdictions, public warning sirens are tested on a weekly basis. In the jurisdictions that lack warning sirens, capabilities are tested on a weekly basis through social media. Reports are generated to determine how many individuals viewed the social media post.

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 **3** jurisdictions affected and with **6** partner organizations involved in incident management. Maintain for **14** day(s).

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Capability target is derived from worst case scenario and real-world events. In a worst-case scenario, unified and coordinated operational structure would process across an average of 3 jurisdictions. This capability has been exercised during the Red River Army Depot Disaster Drill in November of 2023, the Texas A&M Tornado Table Top Exercise in October of 2023, and during the Texarkana Tri-annual Airport Exercise in October of 2022. These capabilities have been demonstrated in real world events such as the Tornado Outbreak of November 2022, and Summer Storms in 2023. During these exercises and real-world events, our region has demonstrated the ability to work with multiple partner agencies across multiple jurisdictions and maintain unified structure over an extended period of time.*

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 **1 hour** of a suspected terrorist attack, conduct outreach to the fusion center and Joint Terrorism Task Force (JTTF) in the community and identify **1** 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

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Capability target was developed by surveying law enforcement and emergency management Subject Matter Experts in our region. It has been determined that 1 personnel is typically assigned to support follow up information sharing. Outreach to the fusion center and Joint Terrorism Task Force happens within the first hour of a suspected terrorist attack. However many jurisdiction do no have officers with secret clearance to follow up with (JTTF). This capability was also derived from real world events where potential IED's and suspicious packages was reported in the City of Texarkana summer 2023.*

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

Explosive Devices

Intelligence and Information Sharing

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

Within **2 hours** 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 **5** priority intelligence stakeholder agencies/entities in accordance with the intelligence cycle, and all dissemination protocols.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Capability target is derived from real world events and intel of emergency management Subject Matter Experts. This capability has been exercised during the Texarkana Airport Exercise October 2022, the Red River Army Depot Active Shooter Exercise November 2023, and the Texas A&M tabletop exercise October 2023. This capability has been evaluated in real world events such as potential IED and suspicious package events in the City of Texarkana in the summer of 2023. Within the first hour of the incident information was shared among 5 priority intelligence stakeholder agencies; including agencies outside of the jurisdiction in which the incident occurred.*

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 **1 hour** 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 **1** personnel assigned to support follow up interdiction and disruption activities that may be undertaken against identified suspects and/or contraband.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Capability target was developed by surveying law enforcement and emergency management SME's in our region. It has been determined that 1 personnel is typically assigned to support follow up interdiction and disruption activities. Outreach to the fusion center and Joint Terrorism Task Force should occur within the first hour of a creditable threat.*

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

Screening, Search, and Detection

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

Within **3 hours** of notice of a credible threat, conduct screening, search, and detection operations for **1,500** people requiring screening, including **75** people with access and functional needs (requiring screening).

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Capability target was derived from surveying emergency management Subject Matter Experts. Due to lack of equipment and personnel, many of our smaller jurisdiction would have difficulties achieving this capability target on a local level. With mutual aid on a regional level, this capability target can be achieved in the next 3-5 years.*

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

Access Control and Identity Verification

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

Within **2 hours** of an event, be prepared to accept credentials from **20** partner organizations involved in incident management.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Capability target was derived from surveying emergency management Subject Matter Experts, and was evaluated during EOC operations during Covid-19 Pandemic.*

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

Cybersecurity

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

Every **1 year** appropriate authorities review and update cyber incident plans/annexes based on evolving threats covering **75** publicly managed and/or regulated critical infrastructure facilities.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Capability Target was derived from current plans and capabilities. As a whole, our region has 38 municipalities with an average of 2 critical infrastructure facilities being publicly managed and regulated. After surveying emergency management Subject Matter Experts, it has been determined that most jurisdictions review and update their cyber security policies on an annual basis. Also, it is now a requirement for HSGD grantees to complete the National Cyber Security Review on an annual basis, as well as local units of government to complete annual cybersecurity training.*

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 **6 months** of completing a risk and vulnerability assessment, appropriate authorities review and update physical security plans covering **3** publicly managed and/or regulated critical infrastructure facilities to incorporate new information from the assessment.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Capability Target is derived from real world events and current plans and capabilities. Currently, most jurisdictions are completing risk and vulnerability assessments at all publicly managed critical infrastructure facilities on an annual basis.*
>
> *After surveying subject matter experts, it has been determined that a minimum time of 6 months would be needed to have appropriate authorities review and update physical security plan. This timeframe includes the time to conduct multiple meetings to discuss and review the current plans and potential changes, as well as the time to get an official approval.*

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

Risk Management for Protection Programs and Activities

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

Every **1 year** appropriate authorities conduct a review of relevant physical and cyber threats and hazards, vulnerabilities, and strategies for risk management covering **75** publicly managed and/or regulated critical infrastructure facilities.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

Capability Target was derived from current plans and capabilities. As a whole, our region has 38 municipalities with an average of 2 critical infrastructure facilities being publicly managed and regulated. After surveying subject matter experts, it has been determined that most jurisdictions review and update their cyber security policies on an annual basis. Also, it is now a requirement for HSGD grantees to complete the National Cyber Security Review on an annual basis.

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

Active Shooter

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Supply Chain Integrity and Security

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

Every **1 year** engage **75** 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

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

Capability Target is derived from current capabilities and real-world events. Our regional goal for the next 3-5 years in to engage 75 partner organizations on an annual basis. Currently, we are working with our LEPC's, RAC, and COADS to achieve this target. All three organizations are currently meeting on a quarterly basis. We will continue to encourage more participation with these groups to achieve our regional goal of 75 partner organizations.

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

Community Resilience

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

Every **[1 year],** conduct **[10]** 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

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Capability Target is derived from current plans and real-world events. Currently our jurisdictions are conducting numerous outreach events on an annual basis. Some community outreach events and activities include: National Night Out, Fire Prevention Week, Skywarn Classes, Health Fairs, and Neighborhood Watch. Jurisdictions are also setting up at local events and distributing Pub Ed material when available. Hopkins County is also utilizing Social Media and Radio to broadcast a monthly preparedness update to the community. In the next 3-5 years our goal is to have every county conduct a minimum of 10 outreach events or activities annually to help the residents be more prepared to prevent, protect against, mitigate, respond to, and recover from events.*

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 **[1 year], [38]** jurisdictions review their building codes, and, if necessary, enact or update risk-appropriate, disaster resilient building codes.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Capability is derived from current capabilities and real-world events. Currently most of our 38 jurisdictions are reviewing building codes and performing risk assessments on an annual basis. Our goal is to sustain this capability.*

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

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Currently we are developing our region Threat and Hazard Identification Risk Assessment on an annual basis. Our current THIRA models the impacts of 4 threat and hazard scenarios and are incorporated into regional planning efforts.*

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

Threats and Hazards Identification

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

Every **1 year** engage with **38** jurisdictions and **25** partner organizations involved in incident management to assess the threats and hazards that are realistic and would significantly impact your communities.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Currently we are developing our region Threat and Hazard Identification Risk Assessment on an annual basis. We plan to utilize THIRA surveys to engage all 38 municipalities to assess the threats and hazards. In the next 3-5 years our goal is to have 25 partner organization participate in the development of the Threat and Hazard Identification Risk Assessment.*

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

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 **2000** people requiring evacuation, including **75** people with access and functional needs (requiring evacuation).

Within **2 hour** of an incident, clear **1** miles of road affected, to enable access for emergency responders, including private and non-profit.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *After surveying emergency management Subject Matter Experts, we have determined that the evacuation of 2,000 people including 75 people with access and functional needs could occur within 2 hours. This capability target can be achieved by utilizing school and public transportation buses. The evacuation of individuals with access and functional needs can be achieved by using local healthcare facility vans. Most of the local healthcare facility vans are designed to accommodate people with access and functional needs.*
>
> *This Capability Target was also derived from a real world incident, The clearing of affected roadway was aso exercised and evaluated during the Texas Winter Storm of 2021, the November 2022 Tornado Outbreak, and the Summer 2023 Storms that affected Bowie, Red River, Hopkins, Morris and Lamar County.*

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 **2 hours** 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 **25** exposed individuals (hazmat-related incidents).

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Capability target is derived from real world events, current plans, and exercises. After surveying emergency management Subject Matter Experts, it has been determined that deployment and set up for a hazmat incident would take roughly 2 hours. With limit resources and only 1 regional hazmat team, it has been determined that our region is capable of handling only one hazmat release site.*
>
> *Our goal for the next 3-5 years is to complete decontamination procedures of 25 exposed individuals within the first 6 hours of a hazmat incident. This capability is exercised annually by Lamar County Hazmat team.*

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

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Fatality Management Services

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

Within **24 hours** of an incident, complete the recovery, identification, and mortuary services, including temporary storage services, for **20** fatalities.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Capability Target was derived from surveying emergency management Subject Matter Experts, and evaluating available resources in our region. We currently have search and rescue teams, and a regional dive team to conduct body recovery activates. In our region we also have a mortuary trailer that can temporally store up to 16 bodies.*

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 4 **hour** of an incident, conduct firefighting operations to suppress and extinguish **5** structure fires.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Capability Target was derived from surveying emergency management Subject Matter Experts. It has been determined that firefighting operations would be conducted within the 1 hour of an incident, and that each county could potentially handle 5 structural fires dependent on intensity. This Capability target has been tested through daily operations, as well as during the City of Atlanta arson fires in October 2019.*

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

Logistics and Supply Chain Management

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

Within **12 hours** of an incident, identify and mobilize life-sustaining commodities, resources, and services to **1,500** people requiring shelter and **1,500** people requiring food and water. Maintain distribution system for **14 days.**

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Capability Target was established by surveying emergency management Subject Matter Experts and real world Incidents. This capability has been evaluated during the Covid Pandemic, the Texas Winter Storm in 2020, the Tornado Outbreak in November of 2022, and the Summer Storms in 2023. Our goal for the next 3-5 years is to be able to provide these resources and services to a minimum of 1,500 people requiring shelter, food, and water.*

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 **24 hours** of an incident, provide emergency sheltering, food, and water for **1,500** people requiring shelter and **1,500** 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 **200** animals requiring shelter, food, and water. Maintain for **7 days.**

Within **1 month** of an incident, move **300** people requiring temporary, non-congregate housing, including **25** people with access and functional needs (requiring accessible, temporary, non-congregate housing), from congregate care to temporary housing.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Capability target was derived from emergency management Subject Matter Experts and current plans and capabilities. Several organizations across the region have withdrawn from shelter agreements. Currently the Red Cross is handling most jurisdictions shelter plans, and have established that they can only shelter for a maximum on 7days due to limited personnel and resources.*

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 **48 hour** of an incident, conduct search and rescue operations for **1500** people requiring rescue.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Capability Target was established by surveying emergency management Subject Matter Experts. In the next 3-5 years our goal is to conduct search and rescue operations for 1,500 people. To achieve this goal, we will need to obtain more resources such as thermal imaging googles, Cadaver dogs, and training for our search and rescue teams.*

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 **2 hours** of an incident, provide security and law enforcement services to protect emergency responders and **5,000** people affected.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:
> *Capability target was derived from current capabilities and real-world incidents. This capability is exercised regularly when hosting special events in the region. These special events can sometime attract more than 5,000 attendees. After surveying subject matter experts, our goal for the next 3-5 years is to provide security and law enforcement services within 2 hours of an incident to emergency responders and 5,000 people affected.*

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

Operational Communications

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

Within **1 hour** of an incident, establish interoperable communications across **38** jurisdictions affected and with **50** partner organizations involved in incident management. Maintain for **14days.**

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

Capability Target is derived from current capabilities, exercises, and real world events. Interoperable communication across our 38 jurisdictions can be established within the first hour of an incident through ATCOG repeater channel. ATCOG repeater channel is tested on a monthly basis across all Emergency Operation Centers in our region. This Capability has been tested and maintained for 13 days during the Hopkins County pipeline incident in October 2019.

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

Public Health, Healthcare, and Emergency Medical Services

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

Within **4 hours** of an incident, complete triage, begin definitive medical treatment, and transfer to an appropriate facility 1**00** people requiring medical care.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

The capability target was derived from surveying our Hospital Preparedness Coordinator, and DSHS representatives. This capability has also been tested on a smaller scale during the City of Texarkana Airport Exercise in 2022. A large portion of the ATCOG region is comprised of rural communities, therefore there is lack of medical staff to complete triage and medical transport. Our goal for the next 3-5 years is to triage, treat, and transfer 150 people requiring medical care within the first 4 hours of an incident.

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

Situational Assessment

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

Within **1 hour** of incident, and on a 2 **hour** cycle thereafter, provide notification to leadership and **20** partner organizations involved in incident management of the current and projected situation. Maintain for **14days.**

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

Capability target is derived from current capabilities and real world incidents, and is test in daily operations.

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 **72 hours** of an incident, restore service to **2,000** customers without water service.

Within **72 hours** of an incident, restore service to **2,000** customers without wastewater service.

Within **72 hours** of an incident, restore service to **25,000** customers without communication service.

Within **72 hours** of an incident, restore service to **9,000** customers without electricity service.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Capability target was derived from surveying emergency management Subject Matter Experts, and worst-case scenarios. Regardless of incident type, our goal for the next 3-5 years is to efficiently restore life sustaining systems and services to the affected community within 72 hours of the incident.*

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 **75** businesses closed due to the incident.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Capability is derived from surveying subject matter experts, and current capabilities. Our goal for the next 3-5 years is to open 75 closed businesses within the first month of the incident. To achieve this goal, jurisdictions will need to continue doing regular building inspections, and working with private sectors to develop Continuity of Operation Plans.*

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 **1 week** of an incident, restore functions at **5** affected healthcare facilities and social service organizations.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:
> *Capability target was derived from surveying emergency management Subject Matter Experts, and the regional hospital preparedness coordinator. Our goal for the next 3-5 years is to restore functions and services at primary healthcare and social services organizations within 1 week of an incident. These facilities include the hospitals, health clinics, social security office, and departments of health and human services.*

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 **1 year** of an incident, **500** people requiring long-term housing, including **75** people with access and functional needs (requiring accessible long-term housing), find and secure long-term housing.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Capability is derived from surveying emergency management Subject Matter Experts and reviewing other areas' disaster housing capacities. Currently, jurisdictions in our region are developing long-term housing plans. Programs such as HUD housing can take up to two years to house clients. Our goal for the next 3-5 years is to update housing plans, and build relationships with commercial housing agencies. This will allow us to build the capabilities needed to house 1,500 people and 75 people with access and functional needs within 1 year of an incident.*

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

Natural and Cultural Resources

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

Within **3 months** of an incident, restore **5** damaged natural and cultural resources and historic properties registered in the jurisdiction.

Capability Target Context

Provide a brief paragraph explaining the logic behind the numbers used in the Capability Target. Numbers could be derived from:

> *Capability is derived from surveying emergency management Subject Matter Experts and real-world incidents. In October 2019 Hopkins pipeline incident effected the historic Turkey Creek properties.*

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