2024 THREAT AND HAZARD IDENTIFICATION AND RISK ASSESSMENT (THIRA)

CENTRAL TEXAS COUNCIL OF GOVERNMENTS

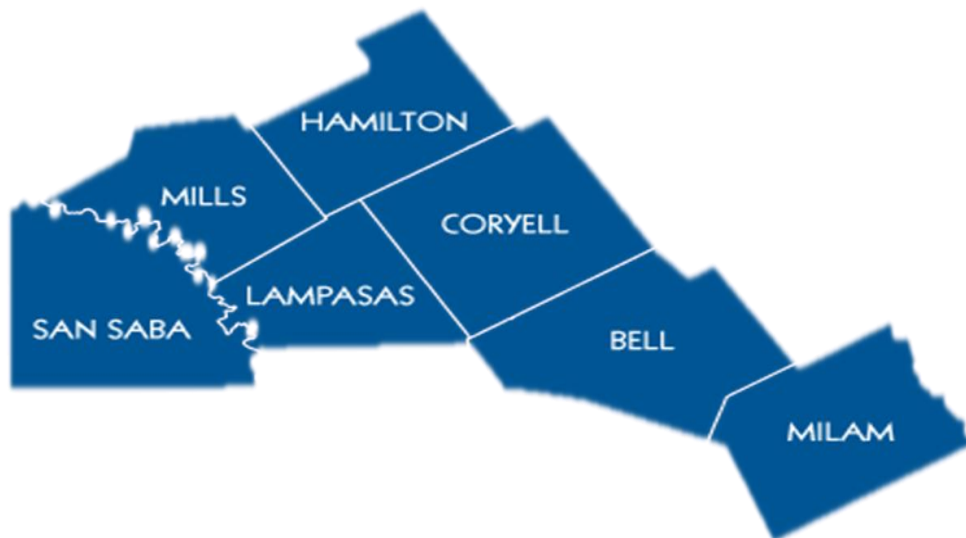**FOR OFFICIAL USE ONLY**

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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

  - Scenario descriptions

  - Standardized impacts

- **THIRA Step 3: Capability Targets**

  - Standardized capability targets

Threat/Hazard Descriptions and Impacts

Category	Threat/Hazard Scenario Name	Terrorism?
Natural	Flood	No

Scenario Description
It is Saturday in March in Texas, and the residents of Bell County and surrounding areas are experiencing unseasonably cold and rainy weather. Bell County is a community with a population exceeding 470,000 residents, multiple area creeks and lakes are already experiencing increased levels due to steady and frequent rains. The National Weather Service indicates that thunderstorms producing heavy rainfall and damaging winds more than 60 mph are headed towards Bell county region. It is anticipated that the average rainfall anticipated by this storm will be at a rate of 10-20 inches per hour. By 5:00 P.M. Nolan creek has crested its bank, causing more flooding in an already saturated environment. On the west side of the county Bell county Sheriff officers and Harker heights police department have identified FM 3481 Stillhouse Hollow Lake Road has water overflowing the long bridge resulting in an evacuation of 20 square miles. Large, uprooted trees have struck the bridge infrastructure and has created damage to the structural member of the bridge.

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	22
People Requiring Medical Care	150	Customers (Without Power Service)	2,000
People Requiring Rescue	150	Customers (Without Water Service)	2,000
People Requiring Evacuation	500	Customers (Without Communication)	200
Exposed Individuals (Hazmat-Related Incidents)	50	Structure Fires	5
People With Access And Functional Needs (AFN) Affected	184	Miles Of Road Affected	15
People With Limited English Proficiency Affected	50	Affected Healthcare Facilities And Social Service Organizations	2
People Requiring Food and Water	13,000	Damaged Natural And Cultural Resources And Historic Properties	30
People Requiring Long-Term Housing	50	Businesses Closed Due To The Incident	100

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People Requiring Shelter	560	Animals Requiring Shelter, Food, And Water	250
Jurisdictions Affected	3		

Sources Used to Develop Context Description and Calculate Impacts (Optional)
-Nolan Creek Flood Protection Plan developed by CTCOG staff and consultants
-United States Census Bureau (2020)
-Texas Department of Transportation (Roadway Inventory)
-American Veterinary Medical Association (Pet Ownership Statistics)
-United States Department of Agriculture
-Fast Local Emergency Evacuation Times
-Centers for Disease Control and Prevention (PAFN determined by 23% of impacted people estimate)

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Category	Threat/Hazard Scenario Name	Terrorism?
Natural	Tornado	No

Scenario Description

On a Spring Monday in the middle of May, severe thunderstorm activity in Brown and Mills County, Northwest of Bell County, begin developing around 1:00 P.M. A severe thunderstorm moving Southeast at 45 mph was reported with possible funnel clouds being sighted. By 1:30 P.M. a tornado watch was issued for Lampasas, Hamilton, and Bell County. By 2:30 P.M. a tornado warning was issued for parts of Ft. Cavazos and the Killeen area. At 2:55 P.M. an EF-0 (Enhanced Fujita Scale) tornado with winds reported at 80 mph touched down between Copperas Cove and Killeen. The tornado continued to grow in strength becoming an EF-3 as it began entering the city of Harker Heights paralleling the South side of Highway 190 in an East-Southeast direction of travel. Reported wind speeds more than 160 mph peaked just North of Stillhouse Lake and the tornado eventually dissipated at 3:10 P.M. within a half mile after crossing Interstate 35 in South Belton.

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	44
People Requiring Medical Care	2,000	Customers (Without Power Service)	5,000
People Requiring Rescue	1,250	Customers (Without Water Service)	2,000
People Requiring Evacuation	N/A	Customers (Without Communication)	500
Exposed Individuals (Hazmat-Related Incidents)	10	Structure Fires	50
People With Access And Functional Needs (AFN) Affected	750	Miles Of Road Affected	15
People With Limited English Proficiency Affected	35	Affected Healthcare Facilities And Social Service Organizations	15
People Requiring Food and Water	100,000	Damaged Natural And Cultural Resources And Historic Properties	5
People Requiring Long-Term Housing	25	Businesses Closed Due To The Incident	7,500
People Requiring Shelter	2,250	Animals Requiring Shelter, Food, And Water	100,000
Jurisdictions Affected	6		

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Sources Used to Develop Context Description and Calculate Impacts (Optional)
-NOAA/National Weather Service/Storm Prediction Center
-United States Census Bureau (2020)
-Texas Department of Transportation (Roadway Inventory)
-American Veterinary Medical Association (Pet Ownership Statistics)
-United States Department of Agriculture
-Centers for Disease Control and Prevention (PAFN determined by 23% of impacted people estimate)

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Category	Threat/Hazard Scenario Name	Terrorism?
Technological	HAZMAT	No

Scenario Description
On a Fall Tuesday morning at 10:00 A.M., A BNSF railcar carrying 25,000 gallons of flammable liquid (ethanol) fell from a bridge in Lampasas near Sulfur Creek between Private Road 184 and East Third Street. The tanker's structure has a six-inch hole in the side and is creating a chemical pool, not on fire. The temperature was 65 degrees F, relative humidity 25%, and winds were 1-10 mph from the Northeast. ALOHA modeling states the Toxic Level of Concern is in the Orange Threat Zone with roughly 150 ppm, and an Emergency Response Planning Guideline-2. Approximately 7,000 people could be exposed, requiring emergency medical assistance and/or evacuation.

Standardized Impact Estimates (You have the option to include additional impacts, as needed)			
Impact Category	Estimate	Impact Category	Estimate
Fatalities	5	Partner Organizations Involved In Incident Management	7
People Requiring Medical Care	25	Customers (Without Power Service)	N/A
People Requiring Rescue	5	Customers (Without Water Service)	800
People Requiring Evacuation	1,500	Customers (Without Communication)	N/A
Exposed Individuals (Hazmat-Related Incidents)	200	Structure Fires	0
People With Access And Functional Needs (AFN) Affected	460	Miles Of Road Affected	2
People With Limited English Proficiency Affected	10	Affected Healthcare Facilities And Social Service Organizations	2
People Requiring Food and Water	1,000	Damaged Natural And Cultural Resources And Historic Properties	N/A
People Requiring Long-Term Housing	2	Businesses Closed Due To The Incident	13
People Requiring Shelter	1,000	Animals Requiring Shelter, Food, And Water	73
Jurisdictions Affected	4		

Sources Used to Develop Context Description and Calculate Impacts (Optional)
-ALOHA/CAMEO
-United States Census Bureau (2020)
-Texas Department of Transportation (Roadway Inventory)

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Sources Used to Develop Context Description and Calculate Impacts (Optional)
-American Veterinary Medical Association (Pet Ownership Statistics)
-United States Department of Agriculture
-Fast Local Emergency Evacuation Times
-Centers for Disease Control and Prevention (PAFN determined by 23% of impacted people estimate)

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

Scenario Description

Fort Cavazos holds its annual Independence Day activities drawing in visitors from across the region attracting 150,000 spectators and participants throughout the day. The festivities begin on Saturday at 11:00 A.M. consisting of civilians, soldiers, and families, elected officials, and numerous other people engaged in the community. At 6:35 P.M. a heavily armed gunman opens fire indiscriminately at the Cavazos Stadium where spectators gather for the fireworks show. During the commotion, the gunman managed to escape the area and at 7:17 P.M., 911 has reported calls of shots being fired at the Advent Health System Emergency Room less than two miles away in Killeen, initial reports describe the same profile as the gunman on Fort Cavazos now wearing a large backpack. SWAT and EOD have been requested.

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	45
People Requiring Medical Care	100	Customers (Without Power Service)	N/A
People Requiring Rescue	25	Customers (Without Water Service)	N/A
People Requiring Evacuation	100	Customers (Without Communication)	N/A
Exposed Individuals (Hazmat-Related Incidents)	N/A	Structure Fires	N/A
People With Access And Functional Needs (AFN) Affected	50	Miles Of Road Affected	1
People With Limited English Proficiency Affected	50	Affected Healthcare Facilities And Social Service Organizations	11
People Requiring Food and Water	5,000	Damaged Natural And Cultural Resources And Historic Properties	1
People Requiring Long-Term Housing	N/A	Businesses Closed Due To The Incident	10
People Requiring Shelter	100	Animals Requiring Shelter, Food, And Water	0
Jurisdictions Affected	6		

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Sources Used to Develop Context Description and Calculate Impacts (Optional)
-DHS "Active Shooter How to Respond" Guide
-United States Census Bureau (2020)
-Texas Department of Transportation (Roadway Inventory)
-Centers for Disease Control and Prevention (PAFN determined by 23% of impacted people estimate)

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Category	Threat/Hazard Scenario Name	Terrorism?
Natural	Wildfire	No

Scenario Description

Following months of severe drought conditions and lack of rain in Coryell and surrounding counties the potential and timeliness of a potential wildfire situation is at its greatest. Summer has brought many consecutive 100-degree days and local burn bans are in effect. On this July Friday, high winds begin to stir in the county creating the perfect conditions for wildfires to spread. The winds were out of the North and Northwest with gust between 30-35 mph. A Fort Cavazos training unit at the range Southeast of Gatesville caused a small brushfire at 2:00 P.M. which became out of control before the unit could extinguish it. High winds to the South allowed the fire to quickly spread outside of the Fort Cavazos training area to portions of Gatesville and intermittent small communities. The evacuation of 75 single family homes and 25 businesses has been ordered and no injuries have been reported and portions of Highway 36 must be closed due to zero visibility caused by smoke and fire along the road. With the high winds and ability of a high-intensity fire to create mass amounts of embers, the fire has a high probability of spreading at a high rate of speed through rural areas which can restrict firefighting efforts and eventually become a threat to more populated regions.

Standardized Impact Estimates (You have the option to include additional impacts, as needed)			
Impact Category	Estimate	Impact Category	Estimate
Fatalities	5	Partner Organizations Involved In Incident Management	7
People Requiring Medical Care	15	Customers (Without Power Service)	300
People Requiring Rescue	10	Customers (Without Water Service)	300
People Requiring Evacuation	200	Customers (Without Communication)	100
Exposed Individuals (Hazmat-Related Incidents)	N/A	Structure Fires	20
People With Access And Functional Needs (AFN) Affected	30	Miles Of Road Affected	30
People With Limited English Proficiency Affected	15	Affected Healthcare Facilities And Social Service Organizations	4
People Requiring Food and Water	400	Damaged Natural And Cultural Resources And Historic Properties	2
People Requiring Long-Term Housing	20	Businesses Closed Due To The Incident	25

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People Requiring Shelter	100	Animals Requiring Shelter, Food, And Water	6,000
Jurisdictions Affected	3		

Sources Used to Develop Context Description and Calculate Impacts (Optional)
-National Interagency Coordination Center (NICC)
-Additional sources include regional response agencies' expertise in recent wildfires throughout the CTCOG region
-United States Census Bureau (2020)
-Texas Department of Transportation (Roadway Inventory)
-American Veterinary Medical Association (Pet Ownership Statistics)
-United States Department of Agriculture
-Fast Local Emergency Evacuation Times
-Centers for Disease Control and Prevention (PAFN determined by 23% of impacted people estimate)

Category	Threat/Hazard Scenario Name	Terrorism?
Natural	Pandemic	No

Scenario Description

In the month of March, Bell County, population roughly 363,000, began receiving its first case of a highly contagious severe respiratory virus. Over the first month, numbers of infected people were low however, over the next six months the number of confirmed cases reached 6,000 people, 300 of which were hospitalized, and 200 died.

Due to the pandemic, thousands of people were not allowed to go to work and subsequently lost their jobs which created hardships for many families. Schools, churches, and many other gathering spots were forced to close, and the county was mandated to social distance.

One of the initial issues was the scarce amount of personal protective equipment (PPE) available for civilians, health care workers, and first responders. The ability to take proper sanitation and protective measures was limited due to shortages of proper equipment.

Additional issues in the region are the shortage of testing supplies needed to provide adequate testing within the county. For those tests being conducted, the county identified a need for testing sites (lab) so that tests could be processed locally as opposed to long waiting periods from sites outside of the region. Lastly, the need to identify and evaluate the homeless population is a concern due to lack of outreach and participation in testing capabilities.

Standardized Impact Estimates (You have the option to include additional impacts, as needed)			
Impact Category	Estimate	Impact Category	Estimate
Fatalities	700	Partner Organizations Involved in Incident Management	7
People Requiring Medical Care	5,000	Customers (Without Power Service)	N/A
People Requiring Rescue	N/A	Customers (Without Water Service)	N/A
People Requiring Evacuation	N/A	Customers (Without Communication)	N/A
Exposed Individuals (Hazmat-Related Incidents)	N/A	Structure Fires	N/A
People With Access and Functional Needs (AFN) Affected	1,150	Miles of Road Affected	N/A
People With Limited English Proficiency Affected	200	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	25
People Requiring Shelter	N/A	Animals Requiring Shelter, Food, And Water	
Jurisdictions Affected	13		

Sources Used to Develop Context Description and Calculate Impacts (Optional)
-Centers for Disease Control and Prevention (PAFN determined by 23% of impacted people estimate)
-United States Census Bureau (2020)

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Capability Targets

Planning

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

Within every **five years** update all emergency operations plans that define the roles and responsibilities of **45** partner organizations involved in incident management across **7** jurisdictions affected, and the sequence and scope of tasks needed to prevent, protect, mitigate, respond to, and recover from events.

Capability Target Context

The capability target numbers were derived from identifying plans and procedures which have been updated, need updating, or are no longer relevant to the region. The information provided was obtained from regional Emergency Management Coordinators, first responders, and other subject matter experts throughout the region. The CTCOG region includes 32 jurisdictions and roughly 15 partner organizations which participate in disaster planning. The region follows TDEM guidelines in updating plans within every five years.

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

Public Information and Warning

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

Within **20 minutes** notice of an incident, deliver reliable and actionable information to **100,000** people affected, including **1,000** people with access and functional needs (affected) and **1,000** people with limited English proficiency affected.

Capability Target Context

Given recent real-world events, including April 2022 tornados and the 2020 pandemic throughout the region, Emergency management, first responders, and other regional stakeholders were able to provide information drawn from recent tornados. The region can use CodeRed Emergency Notification System to disseminate information to the public. Currently, jurisdictions are pushing for citizens to sign up and enroll for the system.

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 **two hours** of a potential or actual incident, establish and maintain a unified and coordinated operational structure and process across **three** jurisdictions affected and with **seven** partner organizations involved in incident management. Maintain for **10** day(s).

Capability Target Context

The information for this capability target was derived from the frequent summer fires we have throughout numerous counties in the CTCOG region through the dry season. Emergency management, first responders, Fort Cavazos personnel, and other stakeholders were able to provide information based off real-world events which have taken place in the past.

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

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 **20** 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 capability target numbers were initially derived from the Fort Cavazos mass shooting which took place November 5, 2009. Although the region has not had a comparable incident, the reasonable expectation of the capability target remains unchanged. The information provided was obtained from regional Emergency Management Coordinators, first responders, and other subject matter experts throughout the region. Communication between the fusion center, Threat Fusion Cell (Fort Cavazos), and regional stakeholders takes place monthly.

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 **15 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 **five** priority intelligence stakeholder agencies/entities in accordance with the intelligence cycle, and all dissemination protocols.

Capability Target Context

The capability target numbers were initially derived from the Fort Cavazos mass shooting which took place November 5, 2009. Due to a lack of significant events, the capability target has not been evaluated in recent years. The information provided was obtained from regional Emergency Management Coordinators, first responders, and other subject matter experts throughout the region. Communication between the fusion center, Threat Fusion Cell (Fort Cavazos), and regional stakeholders takes place monthly.

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

Capability Target Context

The capability target numbers were derived from coordination efforts with the fusion center and JTTF. The information provided was obtained from regional Emergency Management Coordinators, first responders, and other subject matter experts throughout the region. Communication between the fusion center, Threat Fusion Cell (Fort Cavazos), and regional stakeholders takes place monthly.

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 **15 minutes** of notice of a credible threat, conduct screening, search, and detection operations for **200** people requiring screening, including **20** people with access and functional needs (requiring screening).

Capability Target Context

The capability target numbers are based off special events screening efforts screening throughout the region. The information provided was obtained from regional Emergency Management Coordinators, first responders, and other subject matter experts throughout the region. Law enforcement agencies have given current capabilities and provided information as to how to improve this capability.

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

Access Control and Identity Verification

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

Within **15 minutes** of an event, be prepared to accept credentials from **45** partner organizations involved in incident management.

Capability Target Context

The capability target numbers are based off the projected goal of regional stakeholders, with the understanding that the regional credentialing of partner organizations needs to be significantly improved. The information provided was obtained from regional Emergency Management Coordinators, first responders, and other subject matter experts throughout the region. Credentialling is a topic the CTCOG Homeland Security Advisory Committee has been discussing and plans to improve over the next three years.

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

Capability Target Context

The context for this capability target was derived from conversations between first responders, regional stakeholders, and regional Emergency Management Coordinators. Based off guidance from several state agencies, cybersecurity is becoming a priority in the CTCOG region and training requirements becoming more frequent. Benchmark studies and software/hardware improvements are taking place to evaluate network systems throughout the region.

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

Physical Protective Measures

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

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

Capability Target Context

> The capability target numbers were derived from identifying plans and procedures which have been updated, need updating, or are no longer relevant to the region. The information provided was obtained from regional Emergency Management Coordinators, first responders, and other subject matter experts throughout the region. The CTCOG Homeland Security Advisory Committee has named several plans to be created and updated, to include critical infrastructure facilities.

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 **five years**, appropriate authorities conduct a review of relevant physical and cyber threats and hazards, vulnerabilities, and strategies for risk management covering **15** publicly managed and/or regulated critical infrastructure facilities.

Capability Target Context

Given recent real-world events, including the April 2022 tornados and damaging storms throughout the region, Emergency management, first responders, and other regional stakeholders were able to provide information drawn from recent tornados.

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 **one year**, engage **15** 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

The information for this capability target was derived from the frequent spring flooding we have throughout numerous counties in the CTCOG region. Emergency management, first responders, Fort Cavazos personnel, and other stakeholders were able to provide information based off real-world events which have taken place in the past. Annually, Emergency Management Coordinators conduct exercises which include private sector supply chains and support assets. However, exercises and training have been limited due to COVID restrictions and resources.

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

Community Resilience

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

Every **one year**, conduct **five** 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

Given recent real-world events, including recent tornados in April 2022 throughout the region, Emergency management, first responders, and other regional stakeholders were able to provide information drawn from recent tornados. Activities such as National Night Out and Safety Resiliency Events take place throughout the region.

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

Capability Target Context

Given recent real-world events, including recent April 2022 tornados throughout the region, Emergency management, first responders, and other regional stakeholders were able to provide information drawn from recent tornados.

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

Capability Target Context

The capability targets are based off of current risk and disaster concerns in conjunction with the THIRA/SPR/IP. The information provided was obtained from regional Emergency Management Coordinators, first responders, and other subject matter experts throughout the region. The CTCOG Homeland Security Advisory Committee meets monthly, during these meetings after actions reviews are conducted to capture lessons learned by current events, they are then incorporated into regional planning documents.

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

Threats and Hazards Identification

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

Every **two years** engage with **seven** jurisdictions and **45** partner organizations involved in incident management to assess the threats and hazards that are realistic and would significantly impact your communities.

Capability Target Context

The capability targets are based off of current risk and disaster concerns in conjunction with the THIRA/SPR/IP. Given recent real-world events, including recent tornados throughout the region, Emergency management, first responders, and other regional stakeholders were able to provide information drawn from recent April 2022 tornados. The CTCOG Homeland Security Advisory Committee meets monthly, during these meetings numerous jurisdictions and partner organizations attend. The goal is to get more participation for information gathering and sharing of threats and hazards.

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 **<u>two-hours</u>**' notice of an impending incident, complete the evacuation of **<u>500</u>** people requiring evacuation, including **<u>100</u>** people with access and functional needs (requiring evacuation).

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

Capability Target Context

The information for this capability target was derived from the frequent Spring flooding we have throughout numerous counties in the CTCOG region. Emergency management, first responders, Fort Cavazos personnel, and other stakeholders were able to provide information based on real-world events which have taken place in the past.

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

Environmental Response/Health and Safety

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

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

Within **one and a half hours** of a hazmat incident, complete decontamination procedures for **six** exposed individuals (hazmat-related incidents).

Capability Target Context

The context for this capability target was derived from regional HAZMAT Teams, conversations between first responders, regional stakeholders, and regional Emergency Management Coordinators.

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 **one week** of an incident, complete the recovery, identification, and mortuary services, including temporary storage services, for **50** fatalities.

Capability Target Context

The capability target numbers were derived from the 2017 CTCOG Regional Mass Casualty Plan. The information provided was obtained from regional Emergency Management Coordinators, first responders, and other subject matter experts throughout the region.

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

Fire Management and Suppression

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

Within **36 hours** of an incident, conduct firefighting operations to suppress and extinguish **20** structure fires.

Capability Target Context

The information for this capability target was derived from the frequent Summer fires we have throughout numerous counties in the CTCOG region through the dry season. Emergency management, first responders, Fort Cavazos personnel, and other stakeholders were able to provide information based off real-world events which have taken place in the past. Wildfires were a constant conversation this year that required coordination between regional partners and state agencies.

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

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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 **250** people requiring shelter and **10,000** people requiring food and water. Maintain distribution system for **7 days**.

Capability Target Context

Given recent real-world events, including the February 2021 Winter Storm Uri and damaging storms throughout the region, Emergency management, first responders, and other regional stakeholders were able to provide information drawn from recent tornados.

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 **six hours** of an incident, provide emergency sheltering, food, and water for **1,250** people requiring shelter and **10,000** people requiring food and water, including **125** people with access and functional needs (requiring accessible shelter) and **1,000** people with access and functional needs (requiring food and water), and **1,000** animals requiring shelter, food, and water. Maintain for **seven days**.

Within **one week** of an incident, move **1,225** people requiring temporary, non-congregate housing, including **115** people with access and functional needs (requiring accessible, temporary, non-congregate housing), from congregate care to temporary housing.

Capability Target Context

Given recent real-world events, including the April 2022 tornados throughout the region, Emergency management, first responders, and other regional stakeholders were able to provide information drawn from recent tornados.

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 **5 hours** of an incident, conduct search and rescue operations for **100** people requiring rescue.

Capability Target Context

Given recent real-world events, including recent April 2022 tornados throughout the region, Emergency management, first responders, and other regional stakeholders were able to provide information drawn from recent tornados and storms causing significant damage. This projection has not been evaluated recently and is based off goals provided by search and rescue agencies.

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 **3 hours** of an incident, provide security and law enforcement services to protect emergency responders and **15,000** people affected.

Capability Target Context

The capability target is a goal which is routinely practiced on a small-scale, large-scale response is currently unknown. The information provided was obtained from regional Emergency Management Coordinators, first responders, and other subject matter experts throughout the region.

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 **12 hours** of an incident, establish interoperable communications across **seven** jurisdictions affected and with **45** partner organizations involved in incident management. Maintain for **thirty days**.

Capability Target Context

The capability target numbers were derived from conversations between communications subject matter experts through the region. Additional information provided was obtained from regional Emergency Management Coordinators, first responders, and other subject matter experts throughout the region. Interoperable communications are the region's number one priority and constantly being improved.

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 **four hours** of an incident, complete triage, begin definitive medical treatment, and transfer to an appropriate facility **250** people requiring medical care.

Capability Target Context

The capability target numbers were from conversations with staff from the Regional Medical Operations Center (RMOC) and Capital Area of Texas Regional Advisory Council. Additional information provided was obtained from regional Emergency Management Coordinators, first responders, and other subject matter experts throughout the region. Exercises involving local hospitals and medical services are held to improve this capability target.

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

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Situational Assessment

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

Within **four hours** of incident, and on **12 hours** cycle thereafter, provide notification to leadership and **45** partner organizations involved in incident management of the current and projected situation. Maintain for **8 days**.

Capability Target Context

The information for this capability target was derived from the frequent Summer fires we have throughout numerous counties in the CTCOG region through the dry season. Emergency management, first responders, Fort Cavazos personnel, and other stakeholders were able to provide information based on real-world events which have taken place in the past.

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

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 **50,000** customers without water service.
Within **24 hours** of an incident, restore service to **50,000** customers without wastewater service.
Within **24 hours** of an incident, restore service to **50,000** customers without communication service.
Within **24 hours** of an incident, restore service to **50,000** customers without electricity service.

Capability Target Context

Given recent real-world events, including the April 2022 tornados and damaging storms throughout the region, Emergency management, first responders, and other regional stakeholders were able to provide information drawn from recent tornados.

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 **48 hours** of an incident, reopen **500** businesses closed due to the incident.

Capability Target Context

Given recent real-world events, including the 2020 COVID-19 pandemic throughout the region, Emergency management, first responders, and other regional stakeholders were able to provide information drawn from recent events. The directives due to the pandemic forced most businesses to close or significantly alter their normal business practices. As the pandemic changes and directives change, these businesses will be forced to produce alternative methods once reopened. The target is for business to implement protective measures to have the ability to reopen under county guidance, this will align with County Directives and what will be allowable.

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

Health and Social Services

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

Within **24 hours** of an incident, restore functions at **1** affected healthcare facilities and social service organizations.

Capability Target Context

Given recent real-world events, including the 2020 COVID-19 pandemic throughout the region, Emergency management, first responders, and other regional stakeholders were able to provide information drawn from recent events. Normal practices have been altered and new policies in affect to remain open.

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

Housing

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

Within **15 days** of an incident, **100** people requiring long-term housing, including **10** people with access and functional needs (requiring accessible long-term housing), find and secure long-term housing.

Capability Target Context

Given recent real-world events, including recent April 2022 tornados and storms damaging residential dwellings throughout the region, Emergency management, first responders, and other regional stakeholders were able to provide information drawn from recent tornados.

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

Capability Target Context

Given recent real-world events, including recent April 2022 tornados throughout the region, Emergency management, first responders, and other regional stakeholders were able to provide information drawn from recent tornados.

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