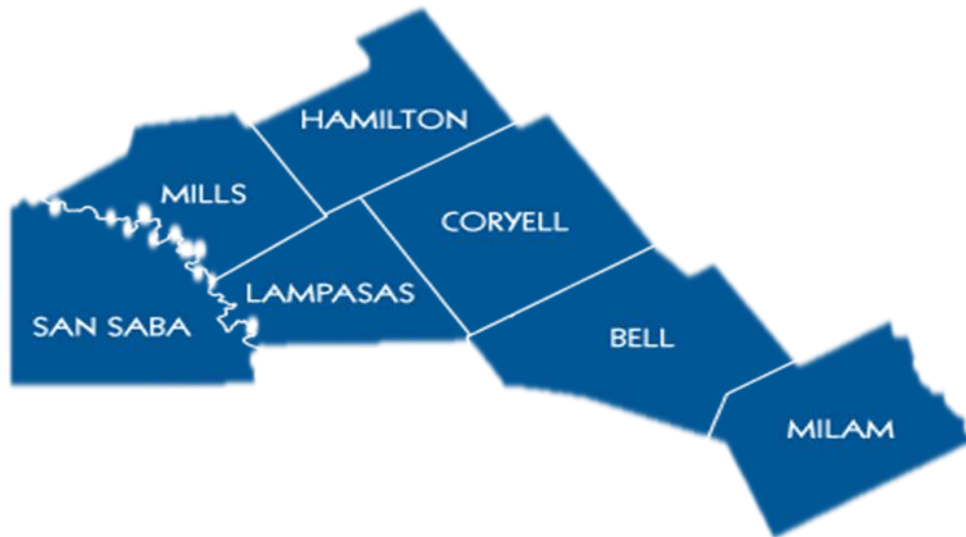




CENTRAL TEXAS COUNCIL OF GOVERNMENTS

Threat and Hazard Identification and Risk Assessment Guide (THIRA) 2017



**Central Texas Council of Governments
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Central Texas Council of Governments Region 23 Threat and Hazard Identification and Risk Assessment (THIRA) 2017

The THIRA follows a four-step process, as described in Comprehensive Preparedness Guide 201, Second Edition:

- 1. Identify the Threats and Hazards of Concern.** Based on a combination of experience, forecasting, expert judgment, and other available resources, communities identify a list of the threats and hazards of primary concern to the community.
- 2. Give the Threats and Hazards Context.** Communities describe the threats and hazards of concern, showing how they may affect the community.
- 3. Establish Capability Targets.** Communities assess each threat and hazard in context to develop a specific capability target for each relevant core capability. The capability target defines success for the capability.
- 4. Apply the Results.** Communities estimate the required resources per core capability to meet the capability targets.

The THIRA helps communities determine what they need to prepare for, what resources they require, and what their current gaps are. Communities can use this information to help them efficiently build and sustain preparedness capabilities.

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Threats and Hazards

Category	Threat/ Hazard	Scenario Description	Terrorism?
Natural	Flood	Scenario Summary	No
		<p>It is 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 of 436,000, located in the center of CTCOG 7 county region. Multiple area creeks and lakes are already experiencing increased levels due to steady and frequent rains. It has been several years since the region was impacted by heavy flooding and many areas are still under recovery.</p> <p>Early in the morning on March 15th, the National Weather Service Doppler radar 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 9:00 a.m. that day, runoff from the heavy rain begins to flood low-lying areas in Belton, Harker Heights and Killeen. Sustained Northerly winds have resulted in downed power lines area wide, causing power outages. By 5:00 p.m., the normally quiet Nolan creek has crested its bank, causing more flooding in an already saturated environment. There are reports that in some areas of Belton and Harker Heights, people are trapped at their businesses and homes. On the west side of the county Bell county Sheriff Deputies and Harker heights police department have identified FM 3481 Stillhouse Hollow Lake Road has water overflowing the long bridge. Large uprooted trees have struck the bridge infrastructure and has created damage to the structural member of the bridge. Flooding occurred at all three cities with City of Belton having been the most affected with damage to the City's Historical and Commercial district. Estimated damage of 45 million dollars, 266 residents affected, 2 critical infrastructures affected, Interstate I-35 service road was flooded exit ramp closed. The flood affected 6.5 miles of roadway.</p>	
Natural	Tornado	Scenario Summary	No

		<p>On a Spring day in the middle of May, severe thunderstorm activity in Brown 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. Hood 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 Ft. Hood with. 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. Damage and a significant debris field beginning on the Eastern side of Copperas Cove and continuing through Killeen, Harker Heights, Nolanville, and ending in Belton has initial reports of 150 businesses, 325 single-family homes, 225 multi-family homes, numerous vehicles on Highway 190, and potential structural damage to the I-35/HWY190 onramp. Injured/missing persons as well as fatalities are being reported throughout the populated areas in the path of the tornado.</p>	
Technological	Hazmat	Scenario Summary	No
		<p>On the third weekend of October and the Texas/Oklahoma football game in Dallas has caused weekend traffic through Bell County headed Northbound on Interstate 35 highway traffic to become heavy. Just South of downtown Temple on Interstate 35 and Loop 363 Northbound an 18-wheeler carrying chlorine was involved in an accident causing its cargo to spill onto I-35 and a vapor cloud. Normal traffic flow count is 200,000 vehicles on the Interstate 35 through Bell County however, during a high-volume traffic weekend traffic flow increases by 20-30%, increasing number of vehicles to approximately 250,000. The accident caused two critical highways closures: Interstate 35 and Loop 363 in Temple. Due to heavy construction on the North end of Temple the potential for traffic to bottleneck and come to a halt may increase</p>	

		<p>stagnate traffic flow. The tanker truck's 5,000 gallons of cargo spilled due to an accident on service road of I-35 resulting in a puddle and release of the greenish-yellow gas. Within a one mile radius of the spill there are 12 restaurants, 3 shopping centers totaling approximately 55 businesses which are open for typical weekend shopping, 75 multi-family homes, and 100 single-family homes. Additionally, that section of the highway has a concrete drainage ditch which could minimize the chlorine from absorbing into the ground and could flow to nearby Bird Creek resulting in possible contamination of watershed. Current winds are Southeast at 11mph, humidity 25%, the dew point 60 degrees, and temperature 66 degrees at the time of the accident with a high projected to be 75 degrees and partly cloudy. Respiratory injuries have been reported along with a significant debris field surrounding the tanker and possible structural damage to the Loop 363 overpass.</p>	
Human Caused	Active Shooter	Scenario Summary	Yes
		<p>Fort Hood holds its annual Independence Day activities drawing in visitors from across the region. The activities for the day include festivals, 5k running event, and a firework show which attract over 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. The base access points are guarded and security precautions and threat levels are escalated as needed. Suddenly, at 6:35 P.M. a heavily armed gunman opens fire indiscriminately at the Hood Stadium where spectators gather for the fireworks show. The gunman has been identified as a man wearing a coat with a rifle and a handgun. Multiple fatalities and injuries are reported due to the attack and indirectly due to the stampede of persons leaving the area. During the commotion, the gunman managed to escape the area but was last seen running East towards Clear Creek Road. At 7:17, 911 has reported calls of shots being fired at the Metroplex Health System Emergency Room less than two miles away, initial reports describe the same profile as the gunman on Fort Hood. The gunman has locked himself in the emergency room intake area has been heard yelling outside that if</p>	

		<p>anyone attempts to enter the building he and his partner will detonate a bomb. A few witnesses said they saw him holding a remote type device with a wire that seemed to run to a large duffle bag he was carrying. The number and condition of hostages still in the emergency room is unknown.</p>	
Natural	Wildfire	Scenario Summary	No
		<p>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 day, 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. Although Fort Hood Range Control had implemented a ban on training units using tracer rounds and pyro techniques, a 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 Hood training area to portions of Gatesville and intermittent small communities. Although Fort Hood Fire, located at North Fort Hood 10 miles away, and Gatesville Fire Department responded, the high winds and dry groundcover throughout the countryside deemed the situation uncontrollable due to the limitations of the remote fire departments. 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. The training unit which started the fire is in immediate danger of becoming surrounded by the flames as the winds continue to create additional hotspots. 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.</p>	

Planning Core Capability

- **Mission Areas:** All
- **Description:** Conduct a systematic process engaging the whole community as appropriate in the development of executable strategic, operational, and/or tactical-level approaches to meet defined objectives.

Desired Outcome
Prevention: Within 2 hours of receiving actionable intelligence, develop and execute appropriate courses of action in coordination with Federal, state and local law enforcement agencies to aid in the prevention of imminent or follow-on terrorist attacks.
Protection: Ensure that 100% of the counties, municipalities, regional agencies and other agencies in the Central Texas Council of Governments maintain and exercise Emergency Operations Plans and continuity of operations plans.
Mitigation: Every 2 years, update the CTCOG’s Hazard Analysis and other relevant risk assessments for the jurisdiction.
Response: Within 5 hours of the incident, establish an Incident Action Plan to coordinate response efforts.
Recovery: Within 3 days of the incident, initiate development of a Recovery Plan for the jurisdiction.

Impacts

Threat/Hazard	Impacts
<u>Flood</u>	<ul style="list-style-type: none"> • 4 Law enforcement agencies • 6 Emergency management agencies • 2 District intelligence liaison officers • 3 Fusion center liaison officers • 6 Critical infrastructure facilities, sites assets and networks • 5 Physical security plans for critical infrastructure, vulnerable populations and sensitive areas • 1 Municipalities • 1 Counties • 1 State agencies • 10 Nongovernmental agencies (NGOs) • Area covering 10 square miles • 1 Federal Agency – Fort Hood Military Base • 1 Emergency Notification System (CodeRed) • 1 Mobile morgue • 1 Family assistance center/victim identification center
<u>Tornado</u>	<ul style="list-style-type: none"> • 5 Law enforcement agencies • 10 Emergency management agencies • 6 District intelligence liaison officers • 6 Fusion center liaison officers • 8 Critical infrastructure facilities, sites assets and networks

Threat/Hazard	Impacts
	<ul style="list-style-type: none"> • 7 Physical security plans for critical infrastructure, vulnerable populations and sensitive areas • 21 Municipalities • 3 Counties • 2 State agencies • 14 Nongovernmental agencies (NGOs) • Area covering 33 square miles • 1 Federal Agency – Fort Hood Military Base • 1 Mobile morgue • 1 Family assistance center/victim identification center
Hazmat Release-Chemical	<ul style="list-style-type: none"> • 3 Law enforcement agencies (Bell County, Temple PD, Belton PD) • 6 Emergency management agencies • 2 District intelligence liaison officers • 3 Fusion center liaison officers • 15 Critical infrastructure facilities, sites assets and networks • 7 Physical security plans for critical infrastructure, vulnerable populations and sensitive areas • 1 Municipality • 1 County • 1 State agency • 15 Nongovernmental agencies (NGOs) • Area covering 4 square miles • 1 Specialized HAZMAT team • 1 Mobile morgue • 1 Family assistance center/victim identification center • 1 Incident management team
Active Shooter	<ul style="list-style-type: none"> • 4 Law enforcement agencies (to include SWAT and Bomb Squad/EOD) • 4 Emergency management agencies • 4 District intelligence liaison officers • 1 Fusion center liaison officer • 10 Critical infrastructure facilities, sites assets and networks • 5 Physical security plans for critical infrastructure, vulnerable populations and sensitive areas • 1 Municipality • 2 Counties • 2 State agencies • 4 Nongovernmental agencies (NGOs) • Area covering 9 blocks • 1 Mobile morgue • 1 Family assistance center/victim identification center
Wildfire	<ul style="list-style-type: none"> • 4 Law enforcement agencies • 21 Emergency management agencies • 2 District intelligence liaison officers • 3 Fusion center liaison officers • 6 Critical infrastructure facilities, sites assets and networks

Threat/Hazard	Impacts
	<ul style="list-style-type: none"> 5 Physical security plans for critical infrastructure, vulnerable populations and sensitive areas 21 Municipalities 3 Counties 1 State agency 10 Nongovernmental agencies (NGOs) Area covering 33 square miles 1 Federal Agency – Ft Hood Military Base

Capability Target

Prevention: Within 5 hours of receiving actionable intelligence of an imminent terrorist attack, develop and execute appropriate courses of action in coordination with Federal, state agencies, the state police, fusion center, 7 local emergency management programs, 14 local law enforcement agencies and 22 critical infrastructure entities spanning private and public sectors to prevent all attacks and follow-on attacks within the Council of Government.

Protection: Develop, maintain, and exercise Emergency Operations Plans and Continuity of Operations Plans for 100% of the 7 counties, 32 municipalities plus Ft. Hood, 8 regional agencies, and 25 critical infrastructure facilities, systems, and assets; and vulnerable populations in the Council of Governments.

Mitigation: Ensure that 100% of all the 7 counties, 32 municipalities maintain a hazard mitigation plan that addresses all relevant threats and hazards in the Central Texas Council of Governments Hazard Analysis and other relevant risk assessments for the jurisdiction.

Response: Within 1 hour of the incident, establish an Incident Action Plan to coordinate efforts among the responding 7 emergency management coordinators, 28 police departments, 7 sheriff’s offices, and 25 fire departments 7 emergency medical services, and 25 private sectors entities in the 7 counties and 32 municipalities of the Central Texas Council of Governments.

Recovery: Within 5 days of the incident, establish a Long -Term Recovery Committee and initiate development of a Recovery Plan for the 7 counties and 32 municipalities in the Central Texas Council of Governments.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Public Information and Warning Core Capability

- **Mission Areas:** All
- **Description:** Deliver coordinated, prompt, reliable, and actionable information to the whole community using clear, consistent, accessible, and culturally and linguistically appropriate methods to effectively relay information regarding any threat or hazard, as well as the actions being taken and the assistance being made available, as appropriate.

Desired Outcome	
Prevention:	Deliver coordinated, prompt, reliable, and actionable messages to 100% of the threatened population to aid in the prevention of imminent or follow-on terrorist attacks.
Protection:	Operate effective and accessible indication and warning systems to communicate significant hazards to 100% impacted population.
Mitigation:	Provide 100% of the residents with useful and relevant information on threats and hazard faced by the community and how to prepare for them.
Response:	Within 2 hours following the incident, provide coordinated, prompt, reliable, and actionable information regarding critical lifesaving and life-sustaining information to expedite the delivery of emergency services and aid the public in taking protective actions.
Recovery:	Within 3 hours after of the threat of an emergency or disaster event has passed, provide the impacted community, to include persons with access and functional needs, with effective recovery-related public information messaging and communications.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 20,000 Residents • Estimated 1200 of tourists/transients • 2,500 Persons with Access and Functional Needs • An area of 35 square miles • 1 County • 3 Municipalities • In English and in Spanish, and other languages as needed using multiple media forms. • Incident area of 6.5 miles of roadway • 4 Radio and television stations • 3 Social media sites • 1 Mobile morgue • 1 Family assistance center/victim identification center
Tornado	<ul style="list-style-type: none"> • 329,000 Residents • Estimated 2500 of tourists/transients • 30,000 Persons with Access and Functional Needs • An area of 1060 square miles • 1 State Agency • 3 Counties • 21 Municipalities

Threat/Hazard	Impacts
	<ul style="list-style-type: none"> • In English and in Spanish, other languages as needed using multiple media forms. • Incident area of 21 miles of highway • 10 Radio and television stations • 3 Social media sites
Hazmat Release-Chemical	<ul style="list-style-type: none"> • 71,000 Residents • Estimated 3,000 of tourists/transients • 800 Persons with Access and Functional Needs • An area of 65 square miles • 1 County - Bell • 3 Municipalities • In English and in Spanish, and other languages as needed using multiple media forms • Incident area of 8 miles of highway • 4 Radio and television stations • 3 Social media sites • 1 Mobile morgue • 1 Family assistance center/victim identification center • 1 HAZMAT team
Active Shooter	<ul style="list-style-type: none"> • 20,000 Residents • Estimated 20,000 of tourists/transients • 3,000 Persons with Access and Functional Needs • An area of 35 square miles • 1 State Agency - DPS • 1 Federal Agency – Ft Hood Military Base • 2 Counties – Bell/Coryell • 3 Municipalities • In English and in Spanish, and other languages as needed using multiple media forms. • Incident area of 6.5 miles of roadway • 4 Radio and television stations • 3 Social media sites • 1 Mobile morgue • 1 Family assistance center/victim identification center
Wildfire	<ul style="list-style-type: none"> • 17,000 Residents evacuated • Estimated 1200 of tourists/transients • 1,000 Persons with Access and Functional Needs • An area of 50 square miles • 2 Counties: Coryell and Bell • 3 Municipalities • In English and in Spanish, and other languages as needed using multiple media forms. • Incident area of 7 miles of roadway • 2 Radio and television stations • 3 Social media sites

Capability Target

Prevention: Deliver coordinated, prompt, reliable and actionable messages to 100% of the 471,544 residents, including 60,000 persons with Access and Functional Needs, and 100% of visitors and transients, in the impacted area to aid in the prevention of imminent or follow-on terrorist attacks.

Mitigation: Provide 100% of the residents with useful and relevant information on threats and hazard faced by the community and how to prepare for them. Deliver public information and warnings in English and Spanish, and accessible means to 471,544 residents, including 60,000 persons with Access and Functional Needs, and of the visitors and transients over 6,600 square miles of impacted area through multiple channels to include social media.

Response: Within 5 hours following the incident, provide coordinated, prompt, reliable, and actionable information regarding critical lifesaving and life-sustaining information to the 7 emergency response organizations, 471,544 residents, 60,000 persons with Access and Functional Needs, and 100% of the visitors and transients to expedite the delivery of emergency services and aid the public in taking protective actions.

Recovery: Within 24 hours after the threat of an emergency or disaster event has passed, provide effective recovery-related public information messaging and communications to the 471,544 residents, 60,000 persons with Access and Functional Needs, and 100% of the visitors and transients over 6,600 square miles of impacted area.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Operational Coordination Core Capability

- **Mission Areas:** All
- **Description:** Establish and maintain a unified and coordinated operational structure and process that appropriately integrates all critical stakeholders and supports the execution of core capabilities.

Desired Outcome

Prevention: Execute operations with functional and integrated communications to ensure that 100% of investigative, intelligence and other activities are coordinated to prevent initial or follow-on attacks within the Central Texas Council of Governments.

Protection: Within 2 hours of a potential or actual incident, establish and maintain a unified and coordinated operational structure that appropriately integrates all critical stakeholders and supports the execution of core capabilities.

Mitigation: Integrate mitigation data elements into 7 Emergency Operations Centers throughout the Central Texas Council of Governments in support of planning, response and recovery operations.

Response: Within 5 hours of the incident, establish and maintain a unified and coordinated operational structure and process that appropriately integrates all critical stakeholders and supports the execution of core capabilities.

Recovery: Within 3 days, coordinate with applicable emergency management entities to define the path and timeline for recovery to achieve jurisdictional objectives that effectively coordinate and use appropriate Federal, state, and local assistance as well as nongovernmental and private sector resources.

Impacts

Threat/Hazard	Impacts
<u>Flood</u>	<ul style="list-style-type: none"> • 266 People in and around the impacted area • 20 Persons with access and functional needs • An impacted area of 4 square miles and encompassing the counties and communities of the Central Texas Council of Governments. • 4 Law enforcement agencies • 1 Emergency management agencies • 1 District intelligence liaison officers • 1 Fusion center liaison officers • 13 Critical infrastructure facilities, sites, assets and networks • 1 Municipality • 1 Counties • 1 State agency
<u>Tornado</u>	<ul style="list-style-type: none"> • 430 People in and around the impacted area • 25 Persons with access and functional needs • An impacted area of 10 square miles encompassing the counties and communities of the Central Texas Council of Governments. • 2 Law enforcement agencies • 2 Emergency management agencies

Threat/Hazard	Impacts
	<ul style="list-style-type: none"> • 2 District intelligence liaison officers • 2 Fusion center liaison officers • 24 Critical infrastructure facilities, sites, assets and networks • 2 Municipalities • 2 Counties • 1 State agency
<u>Hazmat Release - Chemical</u>	<ul style="list-style-type: none"> • 100,000 People in and around the impacted area • 1,200 Persons with access and functional needs • An impacted area of 65 square miles encompassing the counties and communities of the Central Texas Council of Governments. • 4 Law enforcement agencies • 1 Emergency management agency • 1 District intelligence liaison officer • 1 Fusion center liaison officer • 11 Critical infrastructure facilities, sites, assets and networks • 3 Municipalities • 1 County • 3 State agencies
<u>Active Shooter</u>	<ul style="list-style-type: none"> • 40,000 People in and around the impacted area • 3,000 Persons with access and functional needs • An impacted area of 6 square miles encompassing 41 major highway in Bell and Coryell Counties and communities of the Central Texas Council of Governments. • 4 Law enforcement agencies • 1 Emergency management agency • 1 District intelligence liaison officer • 1 Fusion center liaison officer • 9 Critical infrastructure facilities, sites, assets and networks • 3 Municipalities • 2 Counties • 2 State agencies
<u>Wildfire</u>	<ul style="list-style-type: none"> • 20,000 People in and around the impacted area • 1,200 Persons with access and functional needs • An impacted area of 40 square miles encompassing the counties and communities of the Central Texas Council of Governments. • 4 Law enforcement agencies • 3 Emergency management agencies • 1 District intelligence liaison officer • 1 Fusion center liaison officer • 3 Critical infrastructure facilities, sites, assets and networks • 3 Municipalities • 2 Counties • 1 State agency – DPS • 1 Federal agency – Fort Hood Military Base

Capability Target

Prevention: Ensure that 100% of investigative, intelligence, and other law enforcement activities are coordinated among 7 sheriff's Offices, 32 Police Departments, 32 Fire Services, 7 Emergency Operations Centers and regional fusion center to prevent initial or follow-on attacks with the Central Texas Council of Governments in accordance with established protocols.

Protection: Establish and maintain a unified and coordinated operations structure and process that appropriately integrates 100% of critical public and private sector stakeholders across 7 counties and 32 municipalities in the execution of core capabilities.

Mitigation: Integrate mitigation data elements into 100% of the Emergency Operations Centers across 7 counties and 32 municipalities in support of planning, response and recovery operations.

Response: Within 1 hour following an incident, establish and maintain a unified and coordinated operational structure and process that integrates the efforts of public and private stakeholders in the execution of core capabilities across 7 counties and 32 municipalities and for 36 critical infrastructure facilities, systems, and assets.

Recovery: Within 2 months following an incident, coordinate with 100% of the applicable emergency management programs to define the path and timeline for recovery across the 7 affected counties and in 32 municipalities to achieve jurisdictional objectives that effectively coordinate and use appropriate Federal, state, and local assistance as well as nongovernmental and private sector resources.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Intelligence and Information Sharing Core Capability

- **Mission Areas:** Prevention, Protection
- **Description:** Provide timely, accurate, and actionable information resulting from the planning, direction, collection, exploitation, processing, analysis, production, dissemination, evaluation, and feedback of available information concerning physical and cyber threats to the United States, its people, property, or interests; the development, proliferation, or use of WMDs; or any other matter bearing on U.S. national or homeland security by local, state, tribal, territorial, Federal, and other stakeholders. Information sharing is the ability to exchange intelligence, information, data, or knowledge among government or private sector entities, as appropriate.

Desired Outcome
Provide 100% timely, accurate and actionable information, intelligence, data and knowledge concerning threats to the United States, its people, property, or interests; the development, proliferation, or use of WMDs; or any other matter bearing on U.S. national or homeland security with Federal, state, local, and private sector entities, as appropriate.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • Operational intelligence products • 1 Critical infrastructure facility, assets • 4 Law enforcement agencies • 2 First Responder Communities • 1 Federal Agency • 1 State Agency • 10 Local agencies • 10 Private sector partners
Tornado	<ul style="list-style-type: none"> • Operational intelligence products • 24 Critical infrastructure facilities, assets • 2 Law enforcement agencies • 6 First Responder Communities • 1 Federal Agency • 1 State Agency • 2 Local agencies • 15 Private sector partners
Hazmat Release - Chemical	<ul style="list-style-type: none"> • Strategic and Operational intelligence products • 1 Critical infrastructure facility, assets • 4 Law enforcement agencies • 4 Suspicious activity reports • 4 First Responder Communities • 1 Federal Agency • 1 State Agency

Threat/Hazard	Impacts
	<ul style="list-style-type: none"> • 1 Local agency • 4 Private sector partners
Active Shooter	<ul style="list-style-type: none"> • Tactical and strategic intelligence products • 4 Critical infrastructure facilities, assets • 5 Law enforcement agencies • 2 Suspicious activity reports • 2 First Responder Communities • 1 Federal Agency • 2 State Agency • 2 Local agencies • 2 Private sector partners
Wildfire	<ul style="list-style-type: none"> • Operational intelligence products • 3 Critical infrastructure facilities, assets • 4 Law enforcement agencies • 0 Suspicious activity reports • 4 First Responder Communities • 1 Federal Agency • 1 State Agency • 1 Local agency • 3 Private sector partners

Capability Target

Provide 100% timely, accurate, and actionable information, intelligence data and knowledge, including 6 suspicious activity reports, concerning threats to the Central Texas Council of Governments to personnel at 33 critical infrastructure facilities, 18 law enforcement agencies, and 34 private sector partners.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Interdiction and Disruption Core Capability

- **Mission Areas:** Prevention, Protection
- **Description:** Delay, divert, intercept, halt, apprehend, or secure threats and/or hazards.

Desired Outcome

Delay, divert, intercept, hold, apprehend or secure 100% of conveyances, mail, baggage, and individuals associated with an imminent threat to the Central Texas Council of Governments Region; or Render safe and dispose of 100% of terrorist chemical, biological, radiological, nuclear, and explosive (CBRNE) threats in the region.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 3 Locations affected • 35 Square miles • Imminent threats to commercial, agriculture, healthcare & public health, transportation systems, and water & wastewater systems sectors • Threat and operational environments • 50 Personal protective equipment • 3 Consecutive days/weeks • 50 Law enforcement units • 50 Land • 1 Cyber domain • 6 Critical infrastructure facilities, assets • 1 Railway • 6 Miles of public road • 4 Law enforcement agencies • 6 First responder communities • 1 Federal agency • 1 State agency • 2 Local agencies • 30 Private sector partners
Tornado	<ul style="list-style-type: none"> • 21 Locations affected • 1,060 Square miles • Imminent threats to chemical, commercial, communications, defense industrial base, healthcare and public health, information technology, and transportation system sectors • Threat and operational environments • 20 Personal protective equipment • 5 Consecutive days • 85 Law enforcement units • 1 Air • 1 Land • 1 Water

Threat/Hazard	Impacts
	<ul style="list-style-type: none"> • 1 Cyber Domain • 1 Railway • 125 Miles of public road • 5 Law enforcement agencies • 21 First responder communities • 1 Federal agency • 2 State agencies • 3 Local agencies • 5 Private sector partners
Hazmat Release – Chemical	<ul style="list-style-type: none"> • 2 Locations affected • 4 Square miles/acres/blocks of area • Imminent threats to Chemical and Transportation Systems Sectors • Threat and Operational Environments • 30 Personal Protective Equipment • 1 Counter terrorism operations • 1 Consecutive days/weeks • 12 Law enforcement units • 1 Air • 1 Land • 1 Explosive Ordnance Disposal (EOD) Team • 15 Critical infrastructure facilities, assets • 1 Railway • 20 Miles of public road • 4 Law enforcement agencies • 2 Suspicious activity reports • 2 First responder communities • 1 Federal agency • 2 State agencies • 2 Local agencies • 5 Private sector partners
Active Shooter	<ul style="list-style-type: none"> • 3 Locations affected • 5 Square miles of area • Imminent threats • Environments • 100 Personal protective equipment • 1 Counter terrorism operations • 1 Consecutive days/week • 80 Law enforcement units • 1 SWAT Team/Bomb Squad/EOD • 10 Critical infrastructure facilities, assets • 10 Miles of public road • 4 Law enforcement agencies • 5 Suspicious activity reports • 10 First responder communities • 1 Federal agency

Threat/Hazard	Impacts
	<ul style="list-style-type: none"> • 2 State agencies • 4 Local agencies • 12 Private sector partners
<ul style="list-style-type: none"> • Wildfire 	<ul style="list-style-type: none"> • 21 Locations affected • 750 Square miles/acres/blocks of area • Imminent threats to commercial, food & agriculture, healthcare & public health, and transportation systems sectors • Threat and operational environments • 60 Personal protective equipment • 3 Consecutive days/weeks • 10 Law enforcement units • 1 Air • 1 Land • 1 Water • 85 Critical infrastructure facilities, assets • 125 Miles of public road • 4 Law enforcement agencies • 14 First responder communities • 1 Federal agency • 1 State agency • 4 Local agencies • 10 Private sector partners

Capability Target

Coordinate with 1 federal, 2 State and 4 local law enforcement agencies to interdict 100% of conveyances, cargo and persons associated with a terrorist threat to the Central Texas Council of Governments. Conduct tactical counterterrorism response to imminent threats and render safe and dispose of 100% of CBRNE hazards in all locations in all environments consistent with established protocols.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Screening, Search, and Detection Core Capability

- **Mission Areas:** Prevention, Protection
- **Description:** Identify, discover, or locate threats and/or hazards through active and passive surveillance and search procedures. This may include the use of systematic examinations and assessments, bio surveillance, sensor technologies, or physical investigation and intelligence.

Desired Outcome
Screen 100% of conveyances, cargo and persons associated with an imminent threat to the Central Texas Council of Governments in the land, air, and maritime domains.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 35 Square miles/acres/blocks of area • 20,000 People • 3 Locations • 60 Railroad cars on 1 rail line over a period of 3 days • No additional law enforcement units are needed • 20 Additional law enforcement units are needed to establish check points • Central Avenue and Interstate 35 • No air monitoring at impact site • Pathogen screening at 2 hospitals
Tornado	<ul style="list-style-type: none"> • 1,060 Square acres of area • 329,000 People • 21 Locations • 100 Railroad cars on 1 rail line over a period of 5 days • No additional law enforcement units are needed to establish a perimeter around the scene • No additional law enforcement units are needed to establish check points • No air monitoring at impact site and surrounding destruction path • Pathogen screening at 4 hospitals
Hazmat Release – Chemical	<ul style="list-style-type: none"> • 4 Square miles/acres/blocks of area • 100,000 People • 2 Locations • 20 Railroad cars on one rail line over a period of five days • No additional law enforcement units are needed to establish a perimeter of around the crime scene • 2 Additional law enforcement units are needed to establish 1 check point at Interstate 35 and Loop 363 • Air monitoring at impact site and surrounding 2-mile radius • Pathogen screening at 2 hospitals
Active Shooter	<ul style="list-style-type: none"> • 5 Square miles/acres/blocks of area • 40,000 People • 3 Locations

Threat/Hazard	Impacts
	<ul style="list-style-type: none"> • 20 Railroad cars on 2 rail lines over a period of 5 days • 4 Additional law enforcement units are needed to establish a perimeter of around the crime scene • 6 Additional law enforcement units are needed to establish 3 check points • Hwy 190, Clear Creek Road, and Santa Fe Ave • Air monitoring at impact site and surrounding 3-mile radius • Pathogen screening at 3 hospitals
Wildfire	<ul style="list-style-type: none"> • 750 Square miles • 20,000 People • 21 Locations • 90 Railroad cars on one rail line over a period of 3 days • 3 Additional law enforcement units are needed to establish a perimeter of around the crime scene • No additional law enforcement units are needed to establish check points • Air monitoring at impact site and surrounding area • Pathogen screening at 3 hospitals

Capability Target

Prevention: Screen 100% of 5,000 employees, 400 vendors, 20,000 patrons at 3 mass gatherings and 2 special events when there are actionable, credible intelligences that the events may be a target of a terrorist attack.

Protection: Screen 100% of 5,000 employees, 400 vendors, 100,000 patrons at 3 mass gatherings and 2 special events and employ at least 1 EOD, and 3 K-9 teams up to a 1 mile radius around each event.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Forensics and Attribution Core Capability

- **Mission Area:** Prevention
- **Description:** Conduct forensic analysis and attribute terrorist acts (including the means and methods of terrorism) to their source, to include forensic analysis as well as attribution for an attack and for the preparation for an attack to prevent initial or follow-on acts and/or swiftly develop counter-options.

Desired Outcome
Conduct/prioritize collection of 100% of trace, digital, and biometric evidence (to include CBRNE materials) and conduct forensic analysis to attribute terrorist acts and the preparation for such attacks (including their means and methods of terrorism) to their source to prevent initial or follow-on acts and to swiftly develop counter-options.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • N/A
Tornado	<ul style="list-style-type: none"> • N/A
Hazmat Release-Chemical	<ul style="list-style-type: none"> • 0 Trace evidence associated with an act of terrorism • 100% Capacity to immediately prioritize, collect and analyze evidence • 1 County • 3 Municipalities • 11 Critical infrastructure sectors • 1 Critical infrastructure site, facility, networks, assets
Active Shooter	<ul style="list-style-type: none"> • 300 Trace evidence associated with an act of terrorism • 100% Capacity to immediately prioritize, collect and analyze evidence • 2 Counties • 4 Municipalities • 9 Critical infrastructure sectors • 10 Critical infrastructure sites, facilities, networks, assets
Wildfire	<ul style="list-style-type: none"> • N/A

Capability Target

Prioritize, collect and examine 100% of evidence associated with an act of terrorism or an imminent terrorist attack across 7 counties and 36 critical infrastructure sectors. Identify 100% of the terrorist actors, co-conspirators, and their sponsors by fusing all science-based forensic results and all source intelligence information across 7 counties and 36 critical infrastructure sectors.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Access Control and Identity Verification Core Capability

- **Mission Area:** Protection
- **Description:** Apply and support necessary physical, technological, and cyber measures to control admittance to critical locations and systems.

Desired Outcome
Verify the identities and control access of 100% of employees, vendors, volunteers and visitors to critical locations and systems through physical, technological and cyber measures, limiting access to only authorized individuals to carry out legitimate activities.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 125 Employees/staff at 3 Critical Infrastructures sites require identify verification • 65 First responders from the COG require identify verification • 40 Supporting first responders from outside the area require identify verification • 425 Employees of vendors/suppliers require identify verification • 25 Drivers • 15 Additional security personnel from outside the area
Tornado	<ul style="list-style-type: none"> • 1,500 Employees/staff at 21 Critical Infrastructures sites require identify verification • 500 First responders from the COG require identify verification • 150 Supporting first responders from outside the area require identify verification • 25 Employees of vendors/suppliers require identify verification • 35 Drivers • 5 Readers • 30 Additional security personnel from outside the area
Hazmat Release - Chemical	<ul style="list-style-type: none"> • 350 Employees/staff at 2 Critical Infrastructures sites require identify verification • 150 First responders from the COG require identify verification • 75 Supporting first responders from outside the area require identify verification • 350 Employees of vendors/suppliers require identify verification • 20 Drivers • 12 Additional security personnel from outside the area • 50,000 Military Personnel at Fort Hood Military Base
Active Shooter	<ul style="list-style-type: none"> • 150 Employees/staff at 30 Critical Infrastructures sites require identify verification • 450 First responders from the COG require identify verification • 150 Supporting first responders from outside the area require identify verification

Threat/Hazard	Impacts
	<ul style="list-style-type: none"> 25 Employees of vendors/suppliers require identify verification 35 Drivers 5 Readers 50 Additional security personnel from outside the area
Wildfire	<ul style="list-style-type: none"> 10,000 Employees/staff at 200 Critical Infrastructures sites require identify verification 500 First responders from the COG require identify verification 150 Supporting first responders from outside the area require identify verification 25 Employees of vendors/suppliers require identify verification 35 Drivers 15 Readers 30 Additional security personnel from outside the area

Capability Target

Verify the identities and control access of 100% of 10,000 employees, 425 vendors, 50 volunteers and 20,000 visitors at 21 critical locations and systems through physical, technological and cyber measures, limiting access to only authorized individuals to carry out legitimate activities in an area covering 1,050 square miles.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Cybersecurity Core Capability (Optional)

- **Mission Area:** Protection
- **Description:** Protect (and if needed, restore) electronic communications systems, information, and services from damage, unauthorized use, and exploitation.

Desired Outcome
Protect 100% of electronic communications systems and services (and the information contained therein) from damage, unauthorized use, and/or exploitation.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 2,000 Authorized personnel • 3 Computer systems/networks • 1 SCADA System • 30 Businesses • 13 Critical infrastructure facilities, assets, networks
Tornado	<ul style="list-style-type: none"> • 50,000 Authorized personnel at Fort Hood Military Base • 3 Computer systems/networks • 2 SCADA Systems • 45 Businesses • 24 Critical infrastructure facilities, assets, and networks
Hazmat Release – Chemical	<ul style="list-style-type: none"> • 1,000 Authorized personnel • 2 Computer systems/networks • 1 SCADA System • 15 Businesses • 11 Critical infrastructure facilities, assets, and networks
Active Shooter	<ul style="list-style-type: none"> • 5,000 Authorized personnel • 2 Computer systems/networks • 1 SCADA System • 10 Businesses • 1 Critical infrastructure facilities, assets, and networks
Wildfire	<ul style="list-style-type: none"> • 2,000 Authorized personnel • 3 Computer systems/networks • 1 SCADA System • 200 Businesses • 3 Critical infrastructure facilities, assets, and networks

Capability Target

Protect 100% of electronic computers, networks and 2 SCADA systems and the information contained therein at 24 critical infrastructure facilities and 200 private businesses from damage, unauthorized use and/or explosions.



Explanatory Notes/Comments: Desired Outcomes and Impacts

Physical Protective Measures Core Capability

- **Mission Area:** Protection
- **Description:** Implement and maintain risk-informed countermeasures, and policies protecting people, borders, structures, materials, products, and systems associated with key operational activities and critical infrastructure sectors.

Desired Outcome
Reduce by 100% risks or vulnerabilities by controlling movements, protect borders/boundaries and critical infrastructure.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 20,000 People • 7 Critical Infrastructure • 2 Jurisdiction-operated internet systems • 1 Private sector-operated internet system • Natural type hazard
Tornado	<ul style="list-style-type: none"> • 329,000 People • 12 Critical Infrastructure • 2 Jurisdiction-operated internet systems • 1 Private sector-operated internet system • Natural type hazard
Hazmat Release-Chemical	<ul style="list-style-type: none"> • 100,000 People • 11 Critical Infrastructure • 1 Jurisdiction-operated internet system • 1 Private sector-operated internet system • Technological type hazard
Active Shooter	<ul style="list-style-type: none"> • 75,000 People • 4 Critical Infrastructure • 1 Jurisdiction-operated internet system • 1 Private sector-operated internet system • Human-caused type hazard
Wildfire	<ul style="list-style-type: none"> • 20,000 People • 3 Critical Infrastructure • 2 Jurisdiction-operated internet systems • 1 Private sector-operated internet system • Natural type hazard

Capability Target

Develop and implement physical protective measures for 100% of the 31 critical Infrastructure facilities, systems and assets, and 7 governments and 4 private sector governed internet systems through protective policies and countermeasures against identified or perceived attacks or threats.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Risk Management for Protection Programs and Activities Core Capability

- **Mission Area:** Protection
- **Description:** Identify, assess, and prioritize risks to inform Protection activities, countermeasures, and investments.

Desired Outcome
 Assess risk and disaster resilience of 100% of communities and jurisdictions within the Central Texas Council of Governments in order that decisions made may take informed actions to reduce risk and increase resilience.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 2 Risk Assessments • 3 High Priority Assets • 7 Critical Infrastructure facilities • 2 Outdoor campgrounds • 1 Dam • 2 Major Highways • 1 Water /Wastewater System • 1 Electrical Company • 35 Square mile area
Tornado	<ul style="list-style-type: none"> • 2 Risk Assessments • 5 High Priority Assets • 12 Critical Infrastructure facilities • 1 Outdoor campground • 1 Dam • 4 Major Highways • 3 Water /Wastewater Systems • 1 Electrical Company • 1 Municipality • 1 Military base • 125 Square mile area
Hazmat Release – Chemical	<ul style="list-style-type: none"> • 3 Risk Assessments • 2 High Priority Assets • 11 Critical Infrastructure facilities • 1 Major Highway • 1 TV Station • 2 Gas Stations • 1 Electric Company • 2 Water/Wastewater Systems • 1 Airport • 2 Railway Systems • 1 Food Manufacturer

Threat/Hazard	Impacts
Active Shooter	<ul style="list-style-type: none"> • 33 Square mile area • 2 Risk Assessments • 2 High Priority Assets • 4 Critical Infrastructure facilities • 2 Major Roadways • 1 County Courthouse Building • 1 Bank • 5 Square mile area
Wildfire	<ul style="list-style-type: none"> • 2 Risk Assessments • 2 High Priority Assets • 3 Critical Infrastructure facilities • 2 Major Highways • 1 Water/Wastewater System • 700 Square mile area

Capability Target

Complete 100% of risk assessments for 12 high priority assets and 24 critical infrastructure sites within the 7-county region.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Supply Chain Integrity and Security Core Capability

- **Mission Area:** Protection
- **Description:** Strengthen the security and resilience of the supply chain.

Desired Outcome
 Upon notification of impending terrorist act or terrorist attack, achieve a 100% increase in the security and resiliency of the supply chain. Secure key nodes, methods of transport between nodes, and materials in transit.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 3 Key transportation nodes • 2 Key supply nodes • 1 Highway, 2 bridges blocked and damaged • 1 Airports inoperable • 2 Pipelines • 1 HAZMAT
Tornado	<ul style="list-style-type: none"> • 2 Key transportation nodes • 4 Key supply nodes • 2 Roads/highways blocked or damaged • 1 Airport inoperable • 1 Warehouse/supply distribution point destroyed • Lack of refrigeration results in destruction of frozen vegetables, seafood, poultry, and beef • Looting results in loss of 14 incidents: personal property, basic necessities-water, food, over-the-counter medicines
Hazmat Release – Chemical	<ul style="list-style-type: none"> • 1 Key transportation nodes • 3 Key supply nodes • 3 Roads/highways blocked and/or damaged • 6,000 Gallons of fuel shortage disabling 2 trucks • Lack of refrigeration results in destruction of 1 grocery store truck carrying seafood
Active Shooter	<ul style="list-style-type: none"> • 2 Roads/highways blocked
Wildfire	<ul style="list-style-type: none"> • 2 Key transportation nodes • 3 Key supply nodes • 3 Roads/highways blocked or damaged • Lack of refrigeration results in destruction of 2 grocery store trucks carrying seafood, beef, and poultry

Capability Target

Upon notification of impending terrorist act or terrorist attack, achieve a 30% increase in the security and resiliency of the supply chain. Secure 3 supply and 8 transportation nodes, 2 pipelines, 1 railway, 1 airport, 6 major roadways to transport materials between nodes, and materials in transit.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Community Resilience Core Capability

- **Mission Area:** Mitigation
- **Description:** Enable the recognition, understanding, communication of, and planning for risk and empower individuals and communities to make informed risk management decisions necessary to adapt to, withstand, and quickly recover from future incidents.

Desired Outcome

Ensure 100% of communities and jurisdictions in the Central Texas Council of Governments participate in integrated efforts to recognize, understand, and plan to mitigate risks and improve resilience.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 471,544 People in CTCOG region including impacted area • 47,154 Approx. count of Persons with access and functional needs • 8 Partnerships • 32 Impacted municipalities • 36 Impacted communities
Tornado	<ul style="list-style-type: none"> • 471,544 People in CTCOG region including impacted area • 47,154 Approx. count of persons with access and functional needs • 8 Partnerships • 32 Impacted municipalities • 36 Impacted communities
Hazmat Release – Chemical	<ul style="list-style-type: none"> • 471,544 People in CTCOG region including impacted area • 47,154 Approx. count of Persons with access and functional needs • 8 Partnerships • 32 Impacted municipalities • 36 Impacted communities
Active Shooter	<ul style="list-style-type: none"> • 471,544 People in CTCOG region including impacted area • 47,154 Approx. count of Persons with access and functional needs • 8 Partnerships • 32 Impacted municipalities • 36 Impacted communities
Wildfire	<ul style="list-style-type: none"> • 471,544 People in CTCOG region including impacted area • 47,154 approx. count of Persons with access and functional needs • 8 Partnerships • 32 Impacted municipalities • 36 Impacted communities



Capability Target

Ensure participation and outreach in integrated efforts to recognize, understand, plan and mitigate risk and improve resilience of 100% of the 7 counties and 32 municipalities in the Central Texas Council of Governments for 471,544 residents and 47,154 PAFN in the impacted area.

Explanatory Notes/Comments: Desired Outcomes and Impacts

CTCOG Population estimate is taken from the Texas Demographic Center at the University of Texas at San Antonio, using the 2015 population estimates for the Central Texas Council of Governments Region.

Long-term Vulnerability Reduction Core Capability

- **Mission Area:** Mitigation
- **Description:** Build and sustain resilient systems, communities, and critical infrastructure and key resources lifelines to reduce their vulnerability to natural, technological, and human-caused threats and hazards by lessening the likelihood, severity, and duration of the adverse consequences.

Desired Outcome

Achieve a 100% decrease in the long-term vulnerability of critical infrastructure to natural, technological and human caused incidents.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 7 Counties, 32 municipalities • 10 Capital improvement projects • 150 Critical infrastructure facilities • 1 Class 1 rail line • 2 Interstate highways • 3 Publicly owned urban transit systems • 2 Airports • 50 Health facilities • 5 Hospitals
Tornado	<ul style="list-style-type: none"> • 7 Counties, 32 municipalities • 10 Capital improvement projects • 150 Critical infrastructure facilities • 1 Class 1 rail line • 2 Interstate highways • 3 Publicly owned urban transit systems • 2 Airports • 50 Health facilities • 5 Hospitals
Hazmat Release – Chemical	<ul style="list-style-type: none"> • 7 Counties, 32 municipalities • 10 Capital improvement projects • 150 Critical infrastructure facilities • 1 Class 1 rail line • 2 Interstate highways • 3 Publicly owned urban transit systems • 2 Airports • 50 Health facilities • 5 Hospitals
Active Shooter	<ul style="list-style-type: none"> • 7 Counties, 32 municipalities • 10 Capital improvement projects

Threat/Hazard	Impacts
	<ul style="list-style-type: none"> • 150 Critical infrastructure facilities • 1 Class 1 rail line • 2 Interstate highways • 3 Publicly owned urban transit systems • 2 Airports • 50 Health facilities • 5 Hospitals
Wildfire	<ul style="list-style-type: none"> • 7 Counties, 32 municipalities • 10 Capital improvement projects • 150 Critical infrastructure facilities • 0 Class 1 rail lines • 2 Interstate highways • 3 Publicly owned urban transit systems • 2 Airports • 50 Health facilities • 5 Hospitals

Capability Target

Counties and municipalities implement their all hazard mitigation plans to achieve a 100% measurable decrease in long-term vulnerability to identified hazards for 150 lifeline critical infrastructure facilities, systems an asset to include: 1 class 1 rail lines, 4 highways, 2 public transit systems, 2 airports, 55 health/hospital facilities, 5 electrical generation and distribution stations, and 34 water/wastewater treatment facilities over a 5-year period.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Risk and Disaster Resilience Assessment Core Capability

- **Mission Area:** Mitigation
- **Description:** Assess risk and disaster resilience so that decision makers, responders, and community members can take informed action to reduce their entity's risk and increase their resilience.

Desired Outcome
Assess risk and disaster resilience so that decision makers, responders, and community members can take informed action to mitigate identified risks and attain a measurable increase in resiliency by 100%.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 471,544 Residents in affected communities • 47,154 Persons with access and functional needs • 35 High priority assets • 16 Critical infrastructure sectors • 42 Impacted communities • 50,000 Population at Fort Hood Military Base • 5,514 Square mile area
Tornado	<ul style="list-style-type: none"> • 471,544 Residents in affected communities • 47,154 Persons with access and functional needs • 35 High priority assets • 16 Critical infrastructure sectors • 42 Impacted communities • 50,000 Population at Fort Hood Military Base • 5,514 Square mile area
Hazmat Release – Chemical	<ul style="list-style-type: none"> • 471,544 Residents in affected communities • 47,154 Persons with access and functional needs • 35 High priority assets • 16 Critical infrastructure sectors • 42 Impacted communities • 50,000 Population at Fort Hood Military Base • 5,514 Square mile area
Active Shooter	<ul style="list-style-type: none"> • 471,544 Residents in affected communities • 47,154 Persons with access and functional needs • 35 High priority assets • 16 Critical infrastructure sectors • 42 Impacted communities • 50,000 Population at Fort Hood Military Base • 5,514 Square mile area
Wildfire	<ul style="list-style-type: none"> • 471,544 Residents in affected communities • 47,154 Persons with access and functional needs

Threat/Hazard	Impacts
	<ul style="list-style-type: none"> 35 High priority assets 16 Critical infrastructure sectors 42 Impacted communities 50,000 Population at Fort Hood Military Base 5,514 Square mile area

Capability Target

Update and conduct 100% risk and disaster resilience assessments for Central Texas Council of Governments to determine the 445,000 residents in the area, 47,154 PAFN, and 42 impacted communities, 35 high priority assets, facilities and 32 systems, and 50,000 population at Fort Hood Military Base every 5 years.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Threats and Hazards Identification Core Capability

- **Mission Area:** Mitigation
- **Description:** Identify the threats and hazards that occur in the geographic area; determine the frequency and magnitude; and incorporate this into analysis and planning processes to clearly understand the needs of a community or entity.

Desired Outcome

Identify 100% of the threats and hazards that occur in the geographic area; determine the frequency and magnitude; and incorporate this into analysis and planning processes to clearly understand the needs of a community or entity.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 3 Worst case, plausible threats and hazards • 471,544 Residents in affected communities • 47,154 Persons with access and functional needs • 35 High priority assets • 16 Critical infrastructure sectors • 42 Impacted communities • 50,000 Population at Fort Hood Military Base • 5,514 Square mile area • 7 Counties, 32 municipalities, and corresponding jurisdictions in the CTCOG Region • Types of interrelated and impacted systems: Food & water, agriculture, health & emergency, telecommunications, energy, and transportation • Points of vulnerability: Low water crossings, weakened bridges, older trees, and rivers and streams overflow, electricity outages • Resulting/cascading hazards and threats: Mass fatality risk
Tornado	<ul style="list-style-type: none"> • 5 Worse case, plausible threats and hazards • 471,544 Residents in affected communities • 47,154 Persons with access and functional needs • 35 High priority assets • 16 Critical infrastructure sectors • 42 Impacted communities • 50,000 Population at Fort Hood Military Base • 5,514 Square mile area • 7 Counties, 32 municipalities, and corresponding jurisdictions in the CTCOG Region • Types of interrelated and impacted systems: Agriculture, health & emergency, telecommunications, energy, and transportation. • Points of vulnerability: Electricity outages, hospitals, nursing homes, tall building structures, schools • Resulting/cascading hazards and threats: Mass fatality risk

Threat/Hazard	Impacts
Hazmat Release – Chemical	<ul style="list-style-type: none"> • 7 Worst case, plausible threats and hazards • 471,544 Residents in affected communities • 47,154 Persons with access and functional needs • 35 High priority assets • 16 Critical infrastructure sectors • 42 Impacted communities • 50,000 Population at Fort Hood Military Base • 5,514 Square mile area • 7 Counties, 32 municipalities, and corresponding jurisdictions in the CTCOG Region • Types of interrelated and impacted systems: Food & water, agriculture, health & emergency, energy, transportation, and chemical & defense industry • Points of vulnerability: Water supply, food supply, hospital overage • Resulting/cascading hazards and threats: Mass fatality risk
Active Shooter	<ul style="list-style-type: none"> • 7 Worst case, plausible threats and hazards • 471,544 Residents in affected communities • 47,154 Persons with access and functional needs • 35 High priority assets • 16 Critical infrastructure sectors • 42 Impacted communities • 50,000 Population at Fort Hood Military Base • 5,514 Square mile area • 7 Counties, 32 municipalities, and corresponding jurisdictions in the CTCOG Region • Types of interrelated and impacted systems: Health & emergency and telecommunications • Points of vulnerability: Large crowds of people and government agencies • Resulting/cascading hazards and threats: Hostage situations, mass fatality risk
Wildfire	<ul style="list-style-type: none"> • 4 Worst case, plausible threats and hazards • 471,544 Residents in affected communities • 47,154 Persons with access and functional needs • 35 High priority assets • 16 Critical infrastructure sectors • 42 Impacted communities • 50,000 Population at Fort Hood Military Base • 5,514 Square mile area • 7 Counties, 32 municipalities, and corresponding jurisdictions in the CTCOG Region • Types of interrelated and impacted systems: Agriculture, health & emergency, information technology, telecommunications, energy, and transportation • Points of vulnerability: Dry and/or windy conditions and rural locations

Threat/Hazard	Impacts
	<ul style="list-style-type: none"> Resulting/cascading hazards and threats: Mass fatality risk

Capability Target

Complete 100% of threat and hazard identification assessments for 7 counties and 32 municipalities in the Central Texas Council of Governments over 2 years. Update the assessments every 5 years to ensure timely and accurate data for local and regional planning processes.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Infrastructure Systems Core Capability

- **Mission Area:** Response, Recovery
- **Description:** Stabilize critical infrastructure functions, minimize health and safety threats, and efficiently restore and revitalize systems and services to support a viable, resilient community.

Desired Outcome

Within 12 hours after the incident, stabilize critical infrastructure functions, minimize health and safety threats, and efficiently restore and revitalize lifeline systems and services to support a viable, resilient community.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • Electrical power is out (for an estimated 72 hours) for the City of Belton following the flood • 850 Customers without power • 500 Customers without potable water unavailable for two days following the flood • 1 Sewage services are disrupted for two days following the flood • 100% Communications network is inoperable • 4 Commercial building are destroyed • 15 Commercial buildings are damaged • Food, medicine, fuel and other necessities are dependent on ground transportation and other infrastructure will not be readily available for one day following the flood • 1 Primary medical facilities are damaged and inoperable
Tornado	<ul style="list-style-type: none"> • Electrical power is out (for an estimated 72 hours) for the Cities of Harker Heights and Belton following the tornado • 5,000 Customers without power • 100% Communications network is inoperable • 3 Commercial building are destroyed • 7 Commercial buildings are damaged • Food, medicine, fuel and other necessities are dependent on ground transportation and other infrastructure will not be readily available for three days following the tornado • 1 Primary medical facility is damaged and inoperable
Hazmat Release – Chemical	<ul style="list-style-type: none"> • 1 Commercial building is damaged
Active Shooter	<ul style="list-style-type: none"> • N/A
Wildfire	<ul style="list-style-type: none"> • Electrical power is out (for an estimated 72 hours) for a 5-square mile area in the City of Gatesville following the wildfire • 15,000 Customers without power • 100% Communications network is inoperable

Threat/Hazard	Impacts
	<ul style="list-style-type: none"> 9 Commercial building are destroyed 15 Commercial buildings are damaged Food, medicine, fuel and other necessities are dependent on ground transportation and other infrastructure will not be readily available for one day following the wildfire 2 Primary medical facilities are damaged and inoperable 2 Hospitals running on generator power require 1,000 gallons of fuel and generators to maintain services over the next 72 hours

Capability Target

Within the first 24 hours of the incident, stabilize critical infrastructure functions, minimize health and safety threats and efficiently restore and revitalize lifeline systems and services to include 4 fire stations, 2 damaged hospitals, 2 police stations, 3 communications towers, 1 water and wastewater treatment facilities, 2 electrical substations to support a viable resilient community.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Critical Transportation Core Capability

- **Mission Area:** Response
- **Description:** Provide transportation (including infrastructure access and accessible transportation services) for response priority objectives, including the evacuation of people and animals, and the delivery of vital response personnel, equipment, and services into the affected areas.

Desired Outcome
Within 3 hours of the incident, provide transportation (including infrastructure access and accessible transportation services for response priority objectives), including evacuation of people and animals, and the delivery of vital response personnel, equipment and services into the affected areas.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 266 Residents in the impacted area • 20 Persons with access and functional needs in the impacted area • 15 Tourists/transients • 2 Major highways (IH35 and Hwy 190 intersection) totaling 4 miles • Mass transit facilities • Airports
Tornado	<ul style="list-style-type: none"> • 430 Residents in the impacted area • 25 Persons with access and functional needs in the impacted area • 25 Tourists/transients • 2 Major highways (Hwy 190 from IH35 intersection, and west) totaling 21 miles • 1 Mass transit facility • 2 Airports
Hazmat Release – Chemical	<ul style="list-style-type: none"> • 100,000 Residents in the impacted area • 1,200 Persons with access and functional needs in the impacted area • 200 Tourists/transients • 1 Major highway (IH35 north side of Temple) totaling 20 miles • 2 Miles of rail line • 1 Mass transit facility
Active Shooter	<ul style="list-style-type: none"> • 20,000 Residents in the impacted area • 3,000 Persons with access and functional needs in the impacted area • 20,000 Tourists/transients • 1 Major highway (HWY 190) totaling 5 miles • 1 Mass transit facility
Wildfire	<ul style="list-style-type: none"> • 20,000 Residents in the impacted area • 200 Persons with access and functional needs in the impacted area • 200 Tourists/transients • 1 Major highway (HWY 36) totaling 33 square miles

Threat/Hazard	Impacts
	<ul style="list-style-type: none"> 1 Air route 10 Miles of rail line 1 Mass transit facility 1 Airport

Capability Target

Within 24 hours of the incident, provide transport to evacuate 200,000 residents, 25,000 visitors/transients, to include 20,000 PAFN, and 100,000 animals, over an area of 5,514 square miles to safety. Within 72 hours of the incident, inspect, reestablish and maintain air, land pipeline and rail routes to move first responders and other resources to safely sustain affected persons near the incident.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Environmental Response/Health and Safety Core Capability

- **Mission Area:** Response
- **Description:** Conduct appropriate measures to ensure the protection of the health and safety of the public and workers, as well as the environment, from all-hazards in support of responder operations and the affected communities.

Desired Outcome

Within the first 2 hours following an incident, conduct health and safety hazard assessments, disseminate guidance to responders and public, and deploy resources to support environmental health and safety for response personnel and the affected population and area.
 Within 24 hours of a technological or natural disaster or act of terrorism, ensure the availability of guidance and resources to support the environmental health and safety of responders and members of the affected communities; or
 Within 3 days of the incident, develop and implement a plan to provide mental health services to the impacted populations.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 100 Response personnel • 20,000 Impacted or exposed population • 35 Square miles of impacted area • 2 Impacted water treatment facilities • 2 Sewer treatment facilities • 1 Impacted county • 2 Impacted municipalities • 50 Sets of personal protective equipment (PPE) required for first responders
Tornado	<ul style="list-style-type: none"> • 150 Response personnel • 329,000 Impacted or exposed population • 1060 Square miles of impacted area • 3 Impacted water treatment facilities • 1 Sewer treatment facility • 5 Leaks and 2 breaks in pipeline • 1 Impacted county • 1 Impacted municipality • 20 Sets of personal protective equipment (PPE) required for first responders • 4 Square miles of Fort Hood Military Base – exposed to tornado threat
Hazmat Release – Chemical	<ul style="list-style-type: none"> • 60 Response personnel • 71,000 Impacted or exposed population • 4 Square miles of impacted area • 1 Impacted water treatment facility • 1 Sewer treatment facility

Threat/Hazard	Impacts
	<ul style="list-style-type: none"> • 20 Tons of contaminated soil • 1 Hazardous materials facility • 1 Impacted county • 1 Impacted municipality • 30 Sets of personal protective equipment (PPE) required for first responders
Active Shooter	<ul style="list-style-type: none"> • N/A
Wildfire	<ul style="list-style-type: none"> • 100 Response personnel • 20,000 Impacted or exposed population • 750 Square miles of impacted area • 1 Impacted county • 1 Impacted municipality • 60 Sets of personal protective equipment (PPE) required for first responders

Capability Target

Within the first 24 hours following an incident, conduct health and safety hazard assessments and disseminate guidance and resources to include deploying 2 HAZMAT teams to support environmental health and safety actions for 100% of response personnel, and 491,544 residents and visitors, 47,154 PAFN, and 40,000 animals across an impacted area of 5,514 square miles.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Fatality Management Services Core Capability

- **Mission Area:** Response
- **Description:** Provide fatality management services, including decedent remains recovery and victim identification, working with local, state, tribal, territorial, insular area, and Federal authorities to provide mortuary processes, temporary storage or permanent internment solutions, sharing information with mass care services for reunifying family members and caregivers with missing persons/remains, and providing counseling to the bereaved.

Desired Outcome

During the first 12-48 hours following an incident, locate, process, and recover fatalities. Identify and provide temporary mortuary services for all fatalities. Notify and reunify family members and care givers with missing persons/remains and provide counseling to the bereaved.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 10 Fatalities (remains) • Over an area of 10 square miles • 30 Bereaved • Contamination of fatalities requires protective equipment for 30 recovery personnel.
Tornado	<ul style="list-style-type: none"> • 200 Fatalities (remains) • Over an area of 21 square miles • 600 Bereaved • Contamination of fatalities requires protective equipment for 20 recovery personnel.
Hazmat Release – Chemical	<ul style="list-style-type: none"> • N/A
Active Shooter	<ul style="list-style-type: none"> • 32 Fatalities • Over an area of 5 square miles • 100 Bereaved • Contamination of fatalities requires protective equipment for 35 recovery personnel
Wildfire	<ul style="list-style-type: none"> • 50 Fatalities (remains) • Over an area of 125 square miles • 150 Bereaved • Contamination of fatalities requires protective equipment for 60 recovery personnel



Capability Target

Within the first 24 hours following an incident, locate, process, and recover 500 fatalities over an area of 30 square miles. Identify and provide temporary mortuary services for all fatalities. Notify and reunify family members and care givers with missing persons/remains and provide counseling to the bereaved.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Fire Management and Suppression Core Capability

- **Mission Area:** Response
- **Description:** Provide structural, wildland, and specialized firefighting capabilities to manage and suppress fires of all types, kinds, and complexities while protecting the lives, property, and the environment in the affected area.

Desired Outcome
Within the first 24 hours following an incident, provide structural, wildland, and specialized firefighting capabilities to manage and suppress fires of all types, kinds and complexities.

Impacts

Threat/Hazard	Impacts
Flood	N/A
Tornado	N/A
Hazmat Release – Chemical	N/A
Active Shooter	N/A
Wildfire	<ul style="list-style-type: none"> • 1 Type of fire • In a 3-block square mile area • 2,500 Structures damaged • 700 Structures destroyed • 11 Critical infrastructures impacted (3 hospitals, 1 police department, 1 fire department, 3 urgent care facilities, and 3 nursing homes) • Impacted environment = residential/commercial • 4 Fire Services units responding

Capability Target

During the first 2-4 hours of notification, provide and coordinate structural, wildland, and specialized firefighting capabilities to manage, contain, and suppress a wildfire over a 30-square mile area encompassing 1,000 structures and impacting residential and commercial sites including hospitals, government agencies, police and fire departments, utilities, water/wastewater management offices, medical facilities and nursing facilities. Sustain operations for 2-4 days.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Logistics and Supply Chain Management Core Capability

- **Mission Area:** Response
- **Description:** Deliver essential commodities, equipment, and services in support of impacted communities and survivors, to include emergency power and fuel support, as well as the coordination of access to community staples. Synchronize logistics capabilities and enable the restoration of impacted supply chains.

Desired Outcome
Upon notification of impending terrorist act or terrorist attack, achieve a 100% increase in the security and resiliency of the supply chain. Secure key nodes, methods of transport between nodes, and materials in transit.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 3 Key transportation nodes • 2 Key supply nodes • 1 Highway, 2 bridges blocked and damaged • 1 Airports inoperable • 2 Pipelines
Tornado	<ul style="list-style-type: none"> • 2 Key transportation nodes • 4 Key supply nodes • 2 Roads/highways blocked or damaged • 1 Airports inoperable • 1 Warehouse/supply distribution point destroyed • Lack of refrigeration results in destruction of frozen vegetables, seafood, poultry, and beef • Looting results in loss of 14 incidents: personal property, basic necessities-water, food, over-the-counter medicines.
Hazmat Release – Chemical	<ul style="list-style-type: none"> • 1 Key transportation node • 3 Key supply nodes • 3 Roads/highways blocked and/or damaged • 6,000 Gallons of fuel shortage disabling 2 trucks • Lack of refrigeration results in destruction of 1 grocery store truck carrying seafood
Active Shooter	<ul style="list-style-type: none"> • 2 Roads/highways blocked
Wildfire	<ul style="list-style-type: none"> • 2 Key transportation nodes • 3 Key supply nodes • 3 Roads/highways blocked or damaged • Lack of refrigeration results in destruction of 2 Grocery Store Trucks carrying seafood, beef, and poultry



Capability Target

Upon notification of impending terrorist act or terrorist attack, achieve a 30% increase in the security and resiliency of the supply chain. Secure 3 supply and 8 transportation nodes, 2 pipelines, 1 railway, 1 airport, 6 major roadways to transport materials between nodes, and materials in transit.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Mass Care Services Core Capability

- **Mission Area:** Response
- **Description:** Provide life-sustaining and human services to the affected population, to include hydration, feeding, sheltering, temporary housing, evacuee support, reunification, and distribution of emergency supplies.

Desired Outcome

Within 12 hours of the incident, provide life-sustaining services to the affected population with a focus on hydration, feeding, sheltering and sanitation to those who have the most need, as well as support for reunifying families.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 20,000 Residents • 2,500 Residents with access and functional needs • 600 Transients • 15,000 Household pets • 3,000 Meals needed for 250 people in the first 96 hours following the event • 1 Gallon of water needed for one person per day • 250 People require sanitation services • 250 People require shelter
Tornado	<ul style="list-style-type: none"> • 29,973 Residents • 3,000 Residents with access and functional needs • 300 Transients • 25,000 Household pets • 36,000 Meals needed for 3,000 people in the first 96 hours following the event • 1 Gallon of water needed for one person per day • 3,000 People require sanitation services • 3,000 People require shelter
Hazmat Release – Chemical	<ul style="list-style-type: none"> • N/A
Active Shooter	<ul style="list-style-type: none"> • 20,000 Residents and 20,000 tourists • 3,000 Residents with access and functional needs • 1,000 Transients • 30,000 Household pets • 360 Meals needed for 30 people in the first 96 hours following the event • 1 Gallon of water needed for one person per day • 30 People require sanitation services • 30 People require shelter
Wildfire	<ul style="list-style-type: none"> • 20,000 Residents • 1,000 Residents with access and functional needs

Threat/Hazard	Impacts
	<ul style="list-style-type: none"> 500 Transients 15,000 Household pets 200,000 Meals needed for 17,000 people in the first 96 hours following the event 1 Gallon of water needed for one person per day 17,000 People require sanitation services 17,000 People require shelter

Capability Target

Within the first 72 hours of the incident, provide life-sustaining services to 100,000 residents, to include 10,000 PAFN, providing 1,200,000 meals, 50,000 gallons of water, and shelter for 80,000 people. Food and shelter for 50,000 pets, for the first 96 hours following the event. Within 36 hours, initiate procedures for family reunification.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Mass Search and Rescue Operations Core Capability

- **Mission Area:** Response
- **Description:** Deliver traditional and atypical search and rescue capabilities, including personnel, services, animals, and assets to survivors in need, with the goal of saving the greatest number of endangered lives in the shortest time possible.

Desired Outcome

Within 12 hours of the incident, conduct search and rescue operations to locate and rescue persons in distress across a widely dispersed geographical area.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 300 Persons in distress • 100 Animals in distress • Search and Rescue operations for drownings, ill, and trapped individuals • 200 Structures to be searched • 2 Critical infrastructure facilities • Search area of 35 square miles encompassing a portion of the counties and communities of Central Texas Council of Governments • 150 Residential buildings • 16 Commercial facilities
Tornado	<ul style="list-style-type: none"> • 30,000 Persons in distress • 20,000 Animals in distress • Search and Rescue operations for trapped, ill, and missing. • 10,000 Structures to be searched • 4 Critical infrastructure facilities • Search area of 33 square miles encompassing a large portion of Bell County and communities of Central Texas Council of Governments • 10,000 Residential buildings • 30 Commercial facilities • 15 Buildings on Fort Hood Military Base
Hazmat Release – Chemical	<ul style="list-style-type: none"> • N/A
Active Shooter	<ul style="list-style-type: none"> • 56 Persons in distress • 10 Animals in distress • Search operations for criminal(s) involved. Also, search operations of possible hostage situation • 100 Structures to be searched • 2 Critical infrastructure facilities • Search area of 15 square miles encompassing Fort Hood and surrounding Killeen area • 50 Residential buildings • 20 Commercial facilities

Threat/Hazard	Impacts
Wildfire	<ul style="list-style-type: none"> 16000 Persons in distress 10,000 Animals in distress Search and Rescue operations: for possible criminal/arsonist and for burned and/or missing people. Search and rescue for people in burned or burning structures 6,000 Structures to be searched 3 Critical infrastructure facilities Search area of 50 square miles encompassing the counties and communities of Central Texas Council of Governments 6,000 Residential buildings 32 Commercial facilities

Capability Target

Within the first 48 hours of the incident, conduct search and rescue operations to locate and rescue 30,000 persons (including 5,000 PAFN) and 3,000 animals in distress across an incident area of 100 square miles incorporating 16,000 damaged structures.

Explanatory Notes/Comments: Desired Outcomes and Impacts

On-scene Security, Protection, and Law Enforcement Core Capability

- **Mission Area:** Response
- **Description:** Ensure a safe and secure environment through law enforcement and related security and protection operations for people and communities located within affected areas and for response personnel engaged in lifesaving and life-sustaining operations.

Desired Outcome

Within 12 hours, provide a safe and secure environment through law enforcement and related security and protection operations to meet the needs of the affected population over a geographically dispersed area while eliminating or mitigating the risk of further damage to persons, property and the environment.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 2 Shelters • 1 Reception centers • 1 Pharmaceutical distribution center • 150 Households • 20,000 Impacted population • 1 Municipality • 13 Critical infrastructures • Area of 4 square miles • 20 Additional law enforcement/security officers are needed to prevent looting in the business districts of the Cities of Belton and Nolanville or over an area of 35 square miles
Tornado	<ul style="list-style-type: none"> • 3 Shelters • 2 Reception centers • 2 Pharmaceutical distribution centers • 200 Households • 30,000 Impacted population • 2 Municipalities • 14 Critical infrastructures • Area of 10 square miles • 40 Additional law enforcement/security officers are needed to prevent looting or over an area of 33 square miles
Hazmat Release – Chemical	<ul style="list-style-type: none"> • 1 Reception center • 71,000 Impacted population • 3 Municipalities • 11 Critical infrastructures • Area of 65 square miles • 15 Additional law enforcement units are needed to establish a perimeter of 65 square miles around the evacuated area
Active Shooter	<ul style="list-style-type: none"> • 1 Shelter

Threat/Hazard	Impacts
	<ul style="list-style-type: none"> 1 Reception center 8,900 Households 40,000 Impacted population 3 Municipalities 9 Critical infrastructures Area of 16 square miles 25 Additional law enforcement units are needed to establish a perimeter of 15 miles around the crime scene
Wildfire	<ul style="list-style-type: none"> 7 Shelters 4 Reception centers 4 Pharmaceutical distribution centers 9,500 Households 20,000 Impacted population 3 Municipalities 3 Critical infrastructures Area of 40 square miles 45 Additional firefighting units are needed to control large wildfire

Capability Target

Within 24 hours, provide a safe and secure environment through law enforcement and related security and protection operations to meet the needs of 471,544 residents to include 47,154 PAFN, and 20,000 transients/visitors in 7 counties and 32 cities over 5,514 square miles while eliminating or mitigating the risk of further damage to persons, property and the environment.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Operational Communications Core Capability

- **Mission Area:** Response
- **Description:** Ensure the capacity for timely communications in support of security, situational awareness, and operations by all means available, among and between affected communities in the impact area and all response forces.

Desired Outcome

Within 1 hour of the incident, ensure the capacity to communicate with both the emergency response community and the affected populations. Establish interoperable voice and data communications between federal state and local first responders.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • Types of communication: Landlines • 4 Square miles of impacted area • 6 First responders • Electrical power is out for 3 days following the event • Landline communication is out in an area covering 3 square miles and the counties/communities of Bell County: Nolanville and Belton • 100% Reduction in communications capacity in the first 72 hours following the event in the Nolanville and Belton area. • Cellular networks overwhelmed by panicked population
Tornado	<ul style="list-style-type: none"> • Types of communication: cell towers • 10 Square miles of impacted area • 21 First responders • 4 Damaged communications/cell towers • Electrical power is out for 3 days following the event • 100% Reduction in communications capacity in the first 72 hours following the event in destruction • 3 Cell towers are down eliminating coverage for 4 square miles in the Harker Heights, Belton, and Temple area • Cellular networks overwhelmed by panicked population
Hazmat Release-Chemical	<ul style="list-style-type: none"> • N/A
Active Shooter	<ul style="list-style-type: none"> • Types of communication: Landlines and cell towers • 6 Square miles of impacted area • 10 First responders • 4 Damaged communications/cell towers • Landline communication is out in an area covering 4 square miles in the community of Belton • 0% Reduction in communications capacity in the first 72 hours following the event

Threat/Hazard	Impacts
Wildfire	<ul style="list-style-type: none"> 0 Cell towers are down eliminating coverage for 2 square miles in the City of Belton Cellular networks overwhelmed by panicked population Types of communication: Landlines and cell towers 40 Square miles of impacted area 14 First responders 4 Damaged communications/cell towers Electrical power is out for 3 days following the event Landline communication is out in an area covering 10 square miles in Bell county, west Killeen area 75% Reduction in communications capacity in the first 72 hours following the event in destruction 2 Cell towers are down eliminating coverage for 10 square miles in the Killeen and Fort Hood area Cellular networks overwhelmed by panicked population

Capability Target

Within 1 hour of the incident, establish interoperable voice and data communications with 1 federal, 1 state and 10 local response agencies incorporating 15 first responders, and establish emergency communications with 471,544 impacted residents to include 47,154 PAFN, over an impacted area of 5,514 square miles.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Public Health, Healthcare, and Emergency Medical Services Core Capability

- **Mission Area:** Response
- **Description:** Provide lifesaving medical treatment via Emergency Medical Services and related operations and avoid additional disease and injury by providing targeted public health, medical, and behavioral health support, and products to all affected populations.

Desired Outcome

Within 1 hour, provide triage and lifesaving medical treatment via emergency medical services and avoid additional disease and injury by providing targeted public health and medical support and products for those likely to survive their injuries. Provide medical countermeasures to exposed populations within the affected area.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 5 Individuals hospitalized for injuries • 10 Individuals with access and functional needs require medical services • 2 Home care patients require hospital care • 36 Exposed people • 2 Primary medical facilities are damaged and inoperable
Tornado	<ul style="list-style-type: none"> • 540 Individuals hospitalized for injuries • 42 Individuals with access and functional needs require medical services • 22 Home care patients require hospital care • 5,587 Exposed people • 1 Primary medical facility destroyed • 1 Primary medical facility damaged and inoperable
Hazmat Release – Chemical	<ul style="list-style-type: none"> • 30 Individuals hospitalized for injuries • 10 Individuals with access and functional needs require medical services • 150 Exposed people
Active Shooter	<ul style="list-style-type: none"> • 12 Individuals hospitalized for injuries • 7 Individuals with access and functional needs require medical services • 2 Home care patients require hospital care • 4,000 Exposed people
Wildfire	<ul style="list-style-type: none"> • 200 Individuals hospitalized for injuries • 25 Individuals with access and functional needs require medical services • 30 Home care patients require hospital care • 3,200 Exposed people • Medical evacuations are needed for 1,500 patients from 1 hospital in evacuation zones • 1 Primary medical facility destroyed • 1 Primary medical facility damaged and inoperable • 2 Hospitals running on generator power will require 5,000 gallons of fuel and 12 generators to maintain services



Capability Target

Within 24 hours, provide triage and lifesaving medical treatment to 10,000 casualties via emergency medical services and avoid additional disease and injury by providing targeted public health and medical support and products for those likely to survive their injuries. Provide medical countermeasures to 471,544 people in 7 counties and 32 cities over an area of 5,514 square miles.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Situational Assessment Core Capability

- **Mission Area:** Response
- **Description:** Provide all decision makers with decision-relevant information regarding the nature and extent of the hazard, any cascading effects, and the status of the response.

Desired Outcome

Within 2 hours, share information with all first responders, emergency managers, and public/private partners concerning potential or ongoing incidents through designated tools, including internet accessible databases (WebEOC), geospatial information systems, and standardized report forms.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 1 Regional coordination center • 1 Response and recovery partner • 1 Municipality • 1 County • 1 State agency • 10 First responders and emergency managers • 7 Private sector critical infrastructure
Tornado	<ul style="list-style-type: none"> • 4 Regional coordination centers • 3 Response and recovery partners • 2 Municipalities • 2 Counties • 1 State agency • 24 First responders and emergency managers • 14 Private sector critical infrastructure
Hazmat Release – Chemical	<ul style="list-style-type: none"> • 1 Regional coordination center • 1 Response and recovery partner • 3 Municipalities • 2 Counties • 1 State agency • 4 First responders and emergency managers • 4 Private sector critical infrastructure
Active Shooter	<ul style="list-style-type: none"> • 1 Regional coordination center • 2 Response and recovery partners • 3 Municipalities • 1 County • 1 State agency • 14 First responders and emergency managers • 3 Private sector critical infrastructure
Wildfire	<ul style="list-style-type: none"> • 3 Regional coordination centers • 4 Response and recovery partners • 3 Municipalities

Threat/Hazard	Impacts
	<ul style="list-style-type: none"> 1 County 1 State agency 20 First responders and emergency managers 1 Private sector critical infrastructure

Capability Target

Within 1 hour, share information with 200 first responders, emergency managers, and public/private partners in 7 counties and 32 municipalities concerning potential or ongoing incidents using designated tools, including internet accessible databases (WebEOC), geospatial information systems and standardized report forms.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Economic Recovery Core Capability

- **Mission Area:** Recovery
- **Description:** Return economic and business activities (including food and agriculture) to a healthy state and develop new business and employment opportunities that result in an economically viable community.

Desired Outcome
<p>Within 4 hours, conduct a preliminary assessment of economic issues and identify potential inhibitors to fostering stabilization of the affected communities.</p> <p>Within 8 hours following the incident, establish an Economic Recovery Council of public and private sector stakeholders to initiate a comprehensive recovery plan for the region.</p>

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • \$45 Million in economic losses • 20 Estimated number of jobs lost • 22 Persons unable to return to work in the first 30 days following the incident
Tornado	<ul style="list-style-type: none"> • \$380 Million in economic losses • 1,000 Estimated number of jobs lost • 500 Persons unable to return to work in the first 14 days following the incident
Hazmat Release – Chemical	<ul style="list-style-type: none"> • \$2.5 Million in economic losses
Active Shooter	<ul style="list-style-type: none"> • \$1,000,000 In economic losses • 20 Estimated number of jobs lost • 50 Persons unable to return to work in the first 3 days following the incident
Wildfire	<ul style="list-style-type: none"> • \$33 Million in economic losses • 300 Estimated number of jobs lost • 1,500 Persons unable to return to work in the first 30 days following the incident

Capability Target

Within 36 hours of the incident, conduct a preliminary assessment of issues resulting from the loss of \$300 million and 1,000 jobs, and identify potential inhibitors and foster stabilization of the economy in 7 counties and 32 municipalities in the impacted area.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Health and Social Services Core Capability

- **Mission Area:** Recovery
- **Description:** Restore and improve health and social services capabilities and networks to promote the resilience, independence, health (including behavioral health), and well-being of the whole community.

Desired Outcome
 Within 2-3 days, restore and improve health and social services to promote the resilience, independence, health (including behavioral health) and well-being of the community. These services will be restored to basic functioning levels.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • Impacted are of 35 square miles • Types of basic health and social services assessments needed • Assessments needed: Trauma, necessities, illnesses, vaccinations • 1 Hospital impacted • 1 Primary care facility impacted • 1 Hospital lost power and maintain operations through use of generators • 10 Patients on ventilators must be cared for manually until evacuated • 1 First responder requires crisis counseling
Tornado	<ul style="list-style-type: none"> • Impacted are of 1,060 square miles • Types of basic health and social services assessments needed • Assessments needed: Trauma, necessities, illnesses • 1 Primary care facility impacted • 3 First responders require crisis counseling
Hazmat Release – Chemical	<ul style="list-style-type: none"> • Impacted are of 4 square miles • Types of basic health and social services assessments needed • Assessments needed: Chemicals inhaled, poisoned food/water supply
Active Shooter	<ul style="list-style-type: none"> • Impacted are of 5 square miles • Types of basic health and social services assessments needed • Assessments needed: Trauma, wound and injury • 2 First responders require crisis counseling
Wildfire	<ul style="list-style-type: none"> • Impacted are of 750 square miles • Types of basic health and social services assessments needed • Assessments needed: Trauma, Burns, Smoke inhalation, necessities, illnesses, financial support, employment services • 2 Hospitals impacted • 2 Primary care facilities impacted • 2 Hospitals have lost power and maintain operations through use of generators • 1 Hospital evacuated until power and water are restored • 10 Patients on ventilators must be cared for manually until evacuated

Threat/Hazard	Impacts
	<ul style="list-style-type: none"> • 2 First responders require crisis counseling

Capability Target

Within 14 days, restore health and social services to promote the resilience, independence, health and well-being over and impacted area of 5,514 square miles. The services for 5 hospitals, 150 primary care facilities, and 30 psychiatric institutions will be restored to basic functioning levels.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Housing Core Capability

- **Mission Area:** Recovery
- **Description:** Implement housing solutions that effectively support the needs of the whole community and contribute to its sustainability and resilience.

Desired Outcome

Within 72 hours of the incident, assess preliminary housing impacts and identify currently available options for temporary housing and plan for permanent housing.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 266 Residents displaced • 10 Residents displaced (with Access and Functional Needs) • 280 Residential structures are destroyed • 520 Residential structures are severely damaged • 266 People unable to return to permanent housing in the region • 245 People requiring temporary housing • 550 Houses remaining to be assessed/cleared for use
Tornado	<ul style="list-style-type: none"> • 30,000 Residents displaced • 942 Residents displaced (with Access and Functional Needs) • 30,000 Residential structures are destroyed • 45,000 Residential structures are severely damaged • 15,000 People unable to return to permanent housing in the region • 9,200 People requiring temporary housing • 860 Houses remaining to be assessed/cleared for use
Hazmat Release – Chemical	<ul style="list-style-type: none"> • N/A
Active Shooter	<ul style="list-style-type: none"> • N/A
Wildfire	<ul style="list-style-type: none"> • 20,000 Residents displaced • 1,200 Residents displaced (with Access and Functional Needs) • 19,000 Residential structures are destroyed • 25,000 Residential structures are severely damaged • 12,000 People unable to return to permanent housing in the region • 17,000 People requiring temporary housing • 1,500 Houses remaining to be assessed/cleared for use

Capability Target

Within 24 hours of the incident, assess preliminary housing impacts and needs and identify currently available options for temporary housing of 50,000 displaced persons, to include 5,000 PAFN, and shelter for 30,000 animals. Develop a community housing development plan to create permanent housing for 20,000 persons.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Natural and Cultural Resources Core Capability

- **Mission Area:** Recovery
- **Description:** Protect natural and cultural resources and historic properties through appropriate planning, mitigation, response, and recovery actions to preserve, conserve, rehabilitate, and restore them consistent with post-disaster community priorities and best practices and in compliance with applicable environmental and historic preservation laws and executive orders.

Desired Outcome
 Within 1 week of the incident, conduct a preliminary assessment of its impact on natural and cultural resources and develop a recovery plan.

Impacts

Threat/Hazard	Impacts
Flood	<ul style="list-style-type: none"> • 10 Historic buildings are severely damaged or destroyed
Tornado	<ul style="list-style-type: none"> • 3 Parks and recreational areas • 1 Government Facility at Fort Hood
Hazmat Release – Chemical	<ul style="list-style-type: none"> • N/A
Active Shooter	<ul style="list-style-type: none"> • N/A
Wildfire	<ul style="list-style-type: none"> • 1 Historic site • 1 Habitat of endangered, threatened, and candidate species • 2 Parks and recreational areas

Capability Target

Within 2 weeks of the incident, conduct a preliminary assessment of its impact on the 15 museums, 20 historical sites, 10 libraries, and 2 wetlands and natural habitats in the 500 square miles of impacted area and initiate the development of a recovery plan.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Post-Assessment

1. Which of the following types of governmental departments and agencies participated in the THIRA process, and how many departments/agencies of each type participated?

Insert appropriate number in the corresponding box.

Department/Agency	Federal	State	Territory	County	UASI	Other City	Tribal	Other
Emergency Management/Homeland Security	1	1		6		2		
Fusion Center								
Law Enforcement/Public Safety		2				5		
Fire/EMS			1			5		
Public Health			2					
Historic/Cultural Resources								
Environment		1						
Transportation		1	5			3		
Agriculture								
Executive Branch								
Other (specify)								

2. Which of the following non-governmental stakeholders participated in the THIRA process, and how many organizations of each type participated?

Non-governmental Organization	Number Participating
American Red Cross	3
Faith-based Organization	
Other VOAD	3
Disability or Access/Functional Needs Community	
Community Advocacy Group	
Hospital/Healthcare Organization	4
Utilities/Public Works	2
Private Sector/Business	1
Port Authority/Other Port Organization	
Other (specify)	

3. (Optional) List the Individual departments/agencies, non-governmental organizations, and jurisdictions that participated in the THIRA process.

- Central Texas Council of Governments Homeland Security/Criminal Justice Coordinator/
- 6 County EMCs
- 5 City EMCs
- 4 2-1-1 Phone bank
- 2 District Coordinator for the State
- DDC - Captain
- DPS – Officer
- 3 VOAD Family care centers
- 2 Justice of Peace
- 1 County Commissioner



- 2 Finance Officer
- 4 Police departments
- 2 Ft Hood Emergency management
- 5 Hazmat team members
- 2 Public Health agencies
- 5 CTRAC
- 2 DHS
- 3 Hospitals

4. What data sources were used to inform your THIRA?

- Emergency Management /Homeland Security agencies
- Existing Risk Assessments
- Local and State Hazard Mitigation Offices
- Local National Weather Services
- Local Fire, Police, and Health Departments
- Major Urban Area and State Fusion Centers
- Infrastructure Owners and Operators
- Historical Data

5. What limitations, if any, did you find in the data to support the development of the THIRA?

N/A

6. What modeling or visualization tools were used to inform the THIRA?

- ALOHA
- DHS OneView
- Flood Maps
- HAZUS-MH
- HURREVAC
- LandScan USA
- National Climate Association Report
- SLOSH
- Sea Level Rise and Coastal Flooding Impacts Viewer
- U.S. Army Corps of Engineers Debris Model
- None
- Other (specify below)