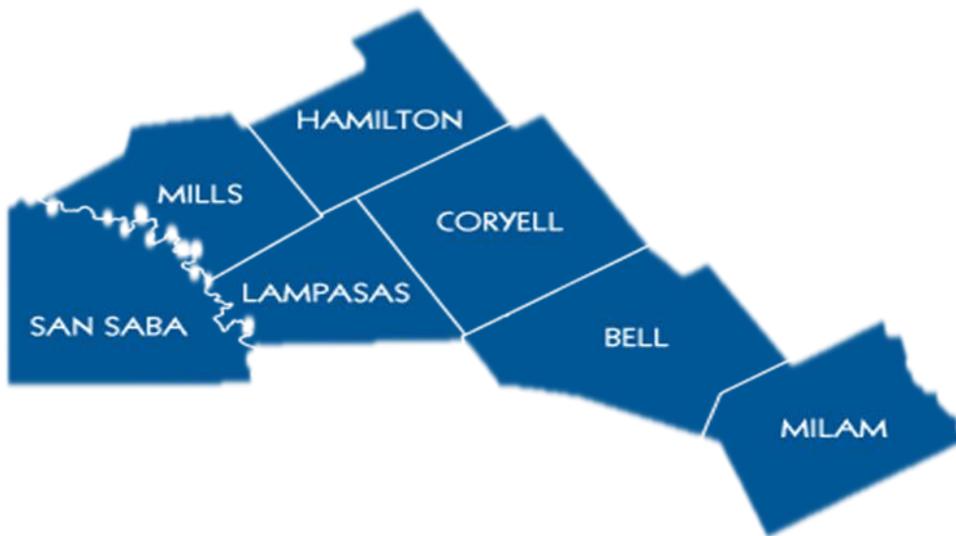




CENTRAL TEXAS COUNCIL OF GOVERNMENTS

Threat and Hazard Identification and Risk Assessment Guide (THIRA) 2018

October 10, 2018
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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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- 4. Apply the Results.** Communities estimate the required resources per core capability to meet the capability targets.

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Threats and Hazards

Category	Threat/ Hazard	Scenario Description	Terrorism?
Natural	Flood	It is Saturday in March in Texas and the residents of Bell County and surrounding areas are experiencing unseasonably cold and rainy weather. Bell County is a community of roughly a population of 436,000, multiple area creeks and lakes are already experiencing increased levels due to steady and frequent rains. The National Weather Service indicates that thunderstorms producing heavy rainfall and damaging winds more than 60 mph are headed towards Bell county region. It is anticipated that the average rainfall anticipated by this storm will be at a rate of 10-20 inches per hour. By 5:00 P.M. Nolan creek has crested its bank, causing more flooding in an already saturated environment. On the west side of the county Bell county Sheriff officers and Harker heights police department have identified FM 3481 Stillhouse Hollow Lake Road has water overflowing the long bridge resulting in an evacuation of 20 square miles. Large uprooted trees have struck the bridge infrastructure and has created damage to the structural member of the bridge. The flood affected 6.5 miles of roadway.	No
Natural	Tornado	On a Spring Monday in the middle of May, severe thunderstorm activity in Brown County, Northwest of Bell County, begin developing around 1:00 P.M. A	No

		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.	
Technological	HAZMAT	On a Fall Tuesday morning at 10:00 A.M., A BNSF railcar carrying 90 tons chlorine fell from a bridge in Lampasas into Sulfur Creek between Private Road 184 and East Third Street. The tanker’s structure was damaged and although there was a leak, the flow rate of the leak could not be determined and the size of the resulting liquid pool could not be observed due to the flow of the creek water. The temperature was 65 degrees F, relative humidity 25%, and winds were 1-10 mph from the Northeast. Approximately 7,000 people could be exposed to gas cloud.	No
Human Caused	Active Shooter	Fort Hood holds its annual Independence Day activities drawing in visitors from across the region attracting 150,000 spectators and participants throughout the day. The festivities begin on Saturday at 11:00 A.M. consisting of civilians, soldiers and families, elected officials, and numerous other people engaged in the community. At 6:35 P.M. a heavily armed gunman opens fire indiscriminately at the Hood Stadium where spectators gather for the fireworks show. During the commotion, the gunman managed to escape the area and at 7:17 P.M., 911 has reported calls of shots being fired at the Metroplex Health System Emergency Room less than two miles away in Killeen, initial reports describe the same profile as the gunman on Fort Hood now wearing a large backpack. SWAT and EOD have been requested.	Yes
Natural	Wildfire	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	No

		<p>effect. On this July Friday, high winds begin to stir in the county creating the perfect conditions for wildfires to spread. The winds were out of the North and Northwest with gust between 30-35 mph. A Fort Hood 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. The evacuation of 75 single family homes and 25 businesses has been ordered and no injuries have been reported and portions of Highway 36 must be closed due to zero visibility caused by smoke and fire along the road. With the high winds and ability of a high-intensity fire to create mass amounts of embers, the fire has a high probability of spreading at a high rate of speed through rural areas which can restrict firefighting efforts and eventually become a threat to more populated regions.</p>	
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Explanatory Notes/Comments: Threats and Hazards



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"> • 2 Law enforcement agencies execute Emergency Operations plans • 2 Fire departments involved with coordination in response efforts • City/county leadership assistance in planning and funding • 2 EMS agencies involved with coordination in response efforts • 1 Independent School District executing evacuation plan • 3 County EMCs executing the Multi-Agency Coordination System Plan and EOC • Education of roughly 15 square miles of residential/business properties in potential flood area of emergency courses of action plans
<u>Tornado</u>	<ul style="list-style-type: none"> • 5 Law enforcement agencies execute Emergency Operations plans • 6 Fire departments involved with coordination in response efforts • 6 County EMCs executing the Multi-Agency Coordination System Plan and EOC and resource support • City/county leadership assistance in planning and funding • 7 Physical security plans exercised for critical infrastructure • Planning and coordination between local and 1 Federal Agency (Fort Hood) • Execution of Mass Fatality Plan • 4 Municipalities initiate Incident Action Plan • Education of roughly 100 square miles of residential/business properties in potential flood area of emergency courses of action plans • 4 EMS agencies involved with coordination in response efforts

Threat/Hazard	Impacts
<u>HAZMAT Release-Chemical</u>	<ul style="list-style-type: none"> • 3 Law enforcement agencies execute Emergency Operations plans (local, state, federal) • 4 Fire departments involved with coordination in response efforts • Implementation of HAZMAT Emergency Operations Plan • Coordination and mutual agreement plan between 2 HAZMAT Teams executed • 1 EMS agency involved with coordination in response efforts • 3 County EMCs executing the Multi-Agency Coordination System Plan and EOC • 1 State Environmental Protection Agency representative requested • 1 Incident Management Team established • 10 Physical security plans exercised for critical infrastructure • Education of roughly 15 square miles of residential/business properties in potential flood area of emergency courses of action plans • 2 Hospital Mass Casualty Plans executed
<u>Active Shooter</u>	<ul style="list-style-type: none"> • 7 Law enforcement agencies execute Emergency Operations plans • 4 Fire departments involved with coordination in response efforts • 1 SWAT Team requested for response • 1 Bomb squad/EOD Team requested for response (Fort Hood) • Coordination and mutual agreement plan with FBI executed • 3 EMS agency involved with coordination in response efforts • 4 County EMCs executing the Multi-Agency Coordination System Plan and EOC • Execution of Mass Fatality Plan • City/county leadership assistance in planning and funding • 1 Incident Management Team established • FBI response required
<u>Wildfire</u>	<ul style="list-style-type: none"> • 7 Law enforcement agencies execute Emergency Operations plans • 4 Fire departments involved with coordination in response efforts • 6 Physical security plans exercised for critical infrastructure • Planning and coordination between local and 1 Federal Agency (Fort Hood) • 2 EMS agencies involved with coordination in response efforts • 5 Physical security plans exercised for critical infrastructure • 4 Municipalities initiate Incident Action Plan • Education of roughly 50 square miles of residential/business properties in potential flood area of emergency courses of action plans



Capability Target

Prevention: Within 2 hours of receiving actionable intelligence of an imminent terrorist attack, develop and execute appropriate courses of action in coordination with 7 law enforcement agencies (local, state, and federal), 1 SWAT Team, 1 Bomb Squad/EOD Team, 2 Federal agencies (Fort Hood and FBI), 4 EMCs, 3 EMS agencies, 2 hospitals, 3 municipalities, city/county/state leadership, execution of Mass Fatality Plan, 2 counties, reference the Multi-Agency Coordination System, 10 critical infrastructure facilities, and 15 square miles of residential and business property spanning private and public sectors in order to prevent all attacks and follow-on attacks within the Central Texas Council of Governments' region.

Protection: Develop, maintain, and exercise Emergency Operations Plans and Continuity of Operations Plans for 100% of the 7 law enforcement agencies (local, state, and federal), 1 SWAT Team, 1 Bomb Squad/EOD Team, 2 Federal agencies (Fort Hood and FBI), 4 EMCs, 3 EMS agencies, 2 hospitals, 3 municipalities, city/county/state leadership, 2 counties, 10 critical infrastructure facilities and vulnerable populations in the Central Texas Council of Governments.

Mitigation: Ensure that 100% of all the 2 counties, 3 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 and is updated every 2 years.

Response: Within 5 hours of the incident, establish an Incident Action Plan to coordinate efforts among the 7 law enforcement agencies (local, state, and federal), 1 SWAT Team, 1 Bomb Squad/EOD Team, 2 Federal agencies (Fort Hood and FBI), 4 EMCs, 3 EMS agencies, 2 hospitals, 3 municipalities, city/county/state leadership, execution of Mass Fatality Plan, 2 counties, reference the Multi-Agency Coordination System, 10 critical infrastructure facilities, and 15 square miles of residential and business property of the Central Texas Council of Governments.

Recovery: Within 3 days of the incident, establish a Long-Term Recovery Committee and initiate development of a Recovery Plan for the 2 counties and 3 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 through the use of 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
<u>Flood</u>	• Mass notification to roughly 15 square miles of residences impacted by known and potential flood areas effecting roughly 20,000 residents, 500 tourist/transients, 1 county, 6.5 miles of roadway, 1 municipality, city/county leadership, and 4 radio/television stations.
<u>Tornado</u>	• Mass notification to roughly 100 square miles of residences and businesses impacted by tornado damage which includes 75,000 residents, 1,200 tourists/transients, 3 counties, 12 municipalities, city/county leadership, and 4 radio/television stations.
<u>HAZMAT Release-Chemical</u>	• Provide actionable information to roughly 5,000 residents, 200 tourists/transients, 1 municipality, 1 radio/television station, 1 county, and city/county leadership.
<u>Active Shooter</u>	• Deliver prompt and reliable warnings to an estimated 150,000 spectators, 20,000 residents, 2,000 tourists/transients, 3 municipalities, city/county leadership, 3 radio/television stations, 2 counties, and Fort Hood leadership and residents.
<u>Wildfire</u>	• Notification to 17,000 residents, 300 tourists/transients, 2 counties, 2 municipalities, 2 radio/television stations, and city/county leadership.



Capability Target

Prevention: Deliver coordinated, prompt, reliable and actionable messages to 100% of the 150,000 spectators, 20,000 residents, 2,000 tourists/transients, 3 municipalities, city/county leadership, 3 radio/television stations, 2 counties, and Fort Hood leadership and residents in the impacted area 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% of the 150,000 spectators, 20,000 residents, 2,000 tourists/transients, 3 municipalities, city/county leadership, 3 radio/television stations, 2 counties, and Fort Hood leadership over the 15 square miles of impacted area.

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 150,000 spectators, 20,000 residents, 2,000 tourists/transients over 15 square miles of impacted area through multiple channels to include social media.

Response: Within 2 hours following the incident, provide coordinated, prompt, reliable, and actionable information regarding critical lifesaving and life-sustaining information to the 150,000 spectators, 20,000 residents, 2,000 tourists/transients, 3 municipalities, city/county leadership, 3 radio/television stations, 2 counties, and Fort Hood leadership and residents to aid the public in taking protective actions.

Recovery: Within 3 hours after the threat of an emergency or disaster event has passed, provide effective recovery-related public information messaging and communications to the 150,000 spectators, 20,000 residents, 2,000 tourists/transients, 3 municipalities, city/county leadership, 3 radio/television stations, 2 counties, and Fort Hood leadership and residents over 15 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 100% of the 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"> • Coordination between 2 law enforcement agencies, 2 fire departments, city leadership, 2 EMS agencies, 1 Independent School District, and 3 county EMCs.
<u>Tornado</u>	<ul style="list-style-type: none"> • Operational coordination between 5 law enforcement agencies, 6 fire departments, 6 EMCs, city and county leadership, 7 physical security plans for critical infrastructure, 1 Federal Agency (Fort Hood), and 4 municipalities.
<u>HAZMAT Release-Chemical</u>	<ul style="list-style-type: none"> • Execute coordination of HAZMAT Emergency Operations Plan, 3 EMCs, 1 HAZMAT Team, State Environmental Protection Agency, 3 law enforcement agencies, 1 fire department, 1 EMS agency, and 1 incident management team.
<u>Active Shooter</u>	<ul style="list-style-type: none"> • Coordination of 7 law enforcement agencies (local, state, and federal), 1 SWAT Team, 1 Bomb Squad/EOD Team, 2 Federal agencies (Fort Hood and FBI), 4 EMCs, 3 EMS agencies, 2 hospitals, 3 municipalities, city/county/state leadership, 2 counties, and 10 critical infrastructure facilities.
<u>Wildfire</u>	<ul style="list-style-type: none"> • Integration of the Multi-Agency Coordination System, 4 law enforcement agencies, 5 fire departments, 6 critical infrastructure facilities, 1 federal agency (Fort Hood), 3 EMCs, 1 hospital, 2 EMS agencies, 5 physical security plans for critical infrastructure, and 2 municipalities.



Capability Target

Prevention: Ensure that 100% of investigative, intelligence, and other law enforcement activities are coordinated among 7 law enforcement agencies (local, state, and federal), 1 SWAT Team, 1 Bomb Squad/EOD Team, 2 Federal agencies (Fort Hood and FBI), 4 EMCs, 3 EMS agencies, 2 hospitals, 3 municipalities, city/county/state leadership, 2 counties, and 10 critical infrastructure facilities 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 2 counties and 3 municipalities in the execution of core capabilities.

Mitigation: Integrate mitigation data elements into 100% of the Emergency Operations Centers across 2 counties and 3 municipalities in support of planning, response and recovery operations.

Response: Within 5 hours 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 2 counties and 3 municipalities and for 10 critical infrastructure facilities, systems, and assets.

Recovery: Within 3 days following an incident, coordinate with 100% of the applicable emergency management programs to define the path and timeline for recovery across the 2 affected counties and in 3 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



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 in an effort to prevent initial or follow-on acts and/or swiftly develop counter-options.

Desired Outcome
Prevention: 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
<u>Flood</u>	N/A
<u>Tornado</u>	N/A
<u>HAZMAT Release-Chemical</u>	N/A
<u>Active Shooter</u>	<ul style="list-style-type: none"> • Conducting and prioritization of 300 trace evidence associated with an act of terrorism, • 2 local law enforcement agencies assets and resources required 100% capacity needed to swiftly prioritize, collect, and analyze evidence • 1 state law enforcement agency involved in processing • 2 federal law enforcement agencies to secure evidence collection scenes
<u>Wildfire</u>	N/A

Capability Target

Prevention: Prioritize, collect and examine 100% if evidence associated with an act of terrorism or an imminent terrorist attack with 300 trace evidence associated with an act of terrorism, 100% capacity to swiftly prioritize, collect, and analyze evidence, and 2 local law enforcement agencies, 1 state law enforcement agency, and 2 federal law enforcement agencies to secure evidence collection scenes.

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	
Prevention:	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.
Protection:	Effectively and efficiently exchange intelligence, information, data, or knowledge among government or private sector entities with 100% accuracy.

Impacts

Threat/Hazard	Impacts
<u>Flood</u>	<ul style="list-style-type: none"> • Exchange of accurate and actionable information sharing among all affected areas and jurisdictions.
<u>Tornado</u>	<ul style="list-style-type: none"> • Exchange of accurate and actionable information sharing among all affected areas and jurisdictions.
<u>HAZMAT Release-Chemical</u>	<ul style="list-style-type: none"> • Establish a Unified Command, local police department, HAZMAT Team, Emergency Management Coordinators, fire departments, and EPA. Activation of the EOC and MACS plan and begin information sharing between all affected agencies and support elements.
<u>Active Shooter</u>	<ul style="list-style-type: none"> • Establish a Unified Command, local police department, FBI, and Fort Hood law enforcement. Activation of the EOC and MACS plan and begin information sharing between all affected agencies and support elements.
<u>Wildfire</u>	<ul style="list-style-type: none"> • Exchange of accurate and actionable information sharing among all affected areas and jurisdictions.



Capability Target

Prevention: Provide 100% timely, accurate, and actionable information, intelligence data and knowledge to the Unified Command, local police department, HAZMAT Team, Emergency Management Coordinators, fire departments, and EPA.

Protection: Effectively and efficiently exchange intelligence, information, data, or knowledge among government or private sector entities with 100% accuracy, to include Unified Command, local police department, HAZMAT Team, Emergency Management Coordinators, fire departments, and EPA.

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

Prevention: 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.

Protection: Render safe and dispose of 100% of terrorist chemical, biological, radiological, nuclear, and explosive (CBRNE) threats in the region.

Impacts

Threat/Hazard	Impacts
<u>Flood</u>	N/A
<u>Tornado</u>	N/A
<u>HAZMAT Release-Chemical</u>	N/A
<u>Active Shooter</u>	<ul style="list-style-type: none"> • Coordination of efforts between 7 Law enforcement agencies, 4 Fire departments involved, 1 SWAT Team, 1 Bomb squad/EOD Team, FBI, 3 EMS agencies, 4 County EMCs, City/county leadership, 1 Incident Management Team, 10 critical infrastructure facilities, and 15 square miles of residential and business property spanning private and public sectors.
<u>Wildfire</u>	N/A

Capability Target

Prevention: Delay, divert, intercept, hold, apprehend or secure 100% of conveyances, mail, baggage, and individuals associated with an imminent threat by coordinating with 7 Law enforcement agencies, 4 Fire departments involved, 1 SWAT Team, 1 Bomb squad/EOD Team, FBI, 3 EMS agencies, 4 County EMCs, City/county leadership, 1 Incident Management Team, 10 critical infrastructure facilities, and 15 square miles of residential and business property spanning private and public sectors associated with a terrorist threat to the Central Texas Council of Governments.

Protection: Conduct tactical counterterrorism response to imminent threats and render safe and dispose of 100% of potential CBRNE and explosive hazards in all locations in all environments consistent with established protocols by coordinating efforts with 7 Law enforcement agencies, 4 Fire departments, 1 SWAT Team, 1 Bomb squad/EOD Team, FBI, 3 EMS agencies, 4 county EMCs, city/county leadership, 1 Incident Management Team, and 10 critical infrastructure facilities.



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

Prevention and Protection: 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
<u>Flood</u>	N/A
<u>Tornado</u>	N/A
<u>HAZMAT Release-Chemical</u>	<ul style="list-style-type: none"> • Screening of 25 employees associated with HAZMAT railcars • Screening of departure, stops, and arrival locations of HAZMAT freight • Search HAZMAT railroad cars on rail lines prior to departure, stops along the route, and final destination
<u>Active Shooter</u>	<ul style="list-style-type: none"> • 15 square miles/acres/blocks of area • 150,000 expected visitors, vendors, employees, and spectators • 15 locations to include Fort Hood Access points/gates • 100 additional law enforcement units are needed to establish a perimeter of 5 around the crime scene(s) • 15 additional law enforcement units are needed to establish 5 check points at key intersections and entry points to critical infrastructure within crime scene area • Air monitoring at impact site and surrounding 30-mile radius • 3 K-9 Teams for screening, search, and detection • 1 EOD Team for screening, search, and detection
<u>Wildfire</u>	N/A



Capability Target

Prevention: Screen 100% of conveyances, cargo and persons associated with an imminent threat to the land, air, and maritime domains of 150,000 expected visitors, vendors, employees, and spectators at 1 mass gatherings when there are actionable, credible intelligences that the events may be a target of a terrorist attack.

Protection: Screen 100% of 150,000 expected visitors, vendors, employees, and spectators at 1 mass gatherings and employ at least 1 EOD, and 3 K-9 teams up to a 1-mile radius around the event, 100 additional law enforcement units are needed to establish a perimeter of 5 around the crime scene(s), 15 additional law enforcement units are needed to establish 5 check points at key intersections and entry points to critical infrastructure within crime scene area, air monitoring at impact site and surrounding 30-mile radius.

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
Protection: 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
<u>Flood</u>	<ul style="list-style-type: none"> • 125 Employees/staff at 3 Critical Infrastructures sites require identify verification • 65 First responders from the COG region require identify verification • 40 Supporting first responders from outside the area require identify verification • 300 Volunteers require identity verification
<u>Tornado</u>	<ul style="list-style-type: none"> • 300 Employees/staff at 10 Critical Infrastructures sites require identify verification • 100 First responders from the COG region require identify verification • 60 Supporting first responders from outside the area require identify verification • 500 Volunteers require identity verification
<u>HAZMAT Release-Chemical</u>	<ul style="list-style-type: none"> • 25 Employees/staff at 1 Critical Infrastructures sites require identify verification • 65 First responders from the COG region require identify verification • 40 Supporting first responders from outside the area require identify verification • 100 Volunteers require identity verification
<u>Active Shooter</u>	<ul style="list-style-type: none"> • 300 Employees/staff at 7 Critical Infrastructures sites require identify verification • 250 First responders from the COG region require identify verification • 100 Supporting first responders from outside the area require identify verification • 250 Employees of vendors/suppliers require identity verification • 400 Volunteers require identity verification • Support and access verification onto Fort Hood military base and 30 square miles
<u>Wildfire</u>	<ul style="list-style-type: none"> • 125 Employees/staff at 3 Critical Infrastructures sites require identify verification • 65 First responders from the COG region require identify verification • 40 Supporting first responders from outside the area require identify verification • 50 Volunteers require identity verification



Capability Target

Protection: Verify the identities and control access of 100% of 300 Employees/staff, 250 first responders, 100 supporting first responders from outside the area, 250 employees of vendors/suppliers, 400 volunteers at 7 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 30 square miles.

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

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

Impacts

Threat/Hazard	Impacts
<u>Flood</u>	<ul style="list-style-type: none"> • 20,000 People relocated • 7 Critical Infrastructures evacuated and secured • 2 Jurisdiction-operated internet systems backed up and secured • 1 Private sector-operated internet system backed up and secured • Natural type hazard
<u>Tornado</u>	<ul style="list-style-type: none"> • 100,000 People sheltered and/or relocated • 10 Critical infrastructures sheltered and/or relocated • 2 Jurisdiction-operated internet systems backed up and secured • 1 Private sector-operated internet system backed up and secured • Natural type hazard
<u>HAZMAT Release-Chemical</u>	<ul style="list-style-type: none"> • 5,000 People relocated • 1 Critical Infrastructure evacuated • HAZMAT affected area secured and access permitted to key personnel • Technological type hazard
<u>Active Shooter</u>	<ul style="list-style-type: none"> • 150,000 People secured • 4 Critical Infrastructures secured and locked down • 2 Jurisdiction-operated internet systems security increased • Fort Hood access points and perimeter secured • Human-caused type hazard
<u>Wildfire</u>	<ul style="list-style-type: none"> • 10,000 People relocated and/or evacuated • 3 Critical Infrastructure • Fire danger boundaries setup allowing access to only key personnel • 1 Jurisdiction-operated internet systems backed up and secured • 1 Private sector-operated internet system backed up and secured • Natural type hazard



Capability Target

Protection: Reduce by 100% risks or vulnerabilities by controlling movements, protect borders/boundaries and critical infrastructure of/ for 150,000 people, 4 critical infrastructures, 2 Jurisdiction-operated internet systems security, and Fort Hood access points and perimeter through protective policies and countermeasures against identified or perceived attacks or threats. Human-caused type hazards.

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
Protection: 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
<u>Flood</u>	<ul style="list-style-type: none"> • 2 Risk Assessments • 3 High Priority Assets • 3 Critical Infrastructure facilities • 2 Outdoor campgrounds • 1 Dam • 2 Major Highways • 1 Water /Wastewater System • 1 Electrical Company • 20 Square mile area
<u>Tornado</u>	<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

Threat/Hazard	Impacts
<u>HAZMAT Release-Chemical</u>	<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 • 33 Square mile area
<u>Active Shooter</u>	<ul style="list-style-type: none"> • 2 Risk Assessments • 10 High Priority Assets • 7 Critical Infrastructure facilities • 2 Major Roadways • 1 Bank • 5 Square mile area • 2 Hospitals
<u>Wildfire</u>	<ul style="list-style-type: none"> • 2 Risk Assessments • 2 High Priority Assets • 3 Critical Infrastructure facilities • 1 Major Highways • 1 Water/Wastewater System • 700 Square mile area

Capability Target

Protection: Complete 100% of risk assessments for 10 high priority assets and 7 critical infrastructure sites towards active shooter/terrorist type attack.

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

Protection: 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
<u>Flood</u>	N/A
<u>Tornado</u>	N/A
<u>HAZMAT Release-Chemical</u>	N/A
<u>Active Shooter</u>	<ul style="list-style-type: none"> • 2 Roads/highways blocked • 2 Key transportation nodes halted • 1 Railway halted • 1 Airport grounded • 1 Army airfield grounded
<u>Wildfire</u>	N/A

Capability Target

Protection: Upon notification of impending terrorist act or terrorist attack, achieve a 100% increase in the security and resiliency of the supply chain. Secure 2 transportation nodes, 1 railway, 1 airport, 1 Army airfield, 2 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
Mitigation: Ensure 100% of communities and jurisdictions in the Central Texas Council of Governments region participate in integrated efforts to recognize, understand, and plan to mitigate risks and improve resilience.

Impacts

Threat/Hazard	Impacts
<u>Flood</u>	<ul style="list-style-type: none"> • 20,000 People in impacted area • 400 Approx. count of Persons with access and functional needs • 7 Partnerships • 22 Impacted municipalities • 16 Impacted communities
<u>Tornado</u>	<ul style="list-style-type: none"> • 100,000 People in impacted area • 1,200 Approx. count of persons with access and functional needs • 18 Partnerships • 32 Impacted municipalities • 36 Impacted communities
<u>HAZMAT Release- Chemical</u>	<ul style="list-style-type: none"> • 15,000 People in impacted area • 150 Approx. count of Persons with access and functional needs • 3 Partnerships • 2 Impacted municipalities • 3 Impacted communities
<u>Active Shooter</u>	<ul style="list-style-type: none"> • 150,000 People in impacted area • 1,500 Approx. count of Persons with access and functional needs • 8 Partnerships • 34 Impacted municipalities • 26 Impacted communities
<u>Wildfire</u>	<ul style="list-style-type: none"> • 20,000 People in impacted area • 100 approx. count of Persons with access and functional needs • 8 Partnerships • 12 Impacted municipalities • 6 Impacted communities



Capability Target

Mitigation: Ensure participation and outreach in integrated efforts to recognize, understand, plan and mitigate risk and improve resilience of 100% of the 150,000 people in impacted area, 1,500 approx. count of persons with access and functional needs, 8 partnerships, 34 impacted municipalities, 26 communities in the impacted area.

Explanatory Notes/Comments: Desired Outcomes and Impacts

Long-term Vulnerability Reduction Core Capability

- **Mission Area:** Mitigation
- **Description:** Build and sustain resilient systems, communities, and critical infrastructure and key resources lifelines so as 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

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

Impacts

Threat/Hazard	Impacts
<u>Flood</u>	<ul style="list-style-type: none"> • 1 County, 2 municipalities • 3 Capital improvement project3 • 2 Critical infrastructure facilities • 1 Class 1 rail line • 2 Interstate highways • 1 Publicly owned urban transit system • 2 Health facilities • 1 Hospital
<u>Tornado</u>	<ul style="list-style-type: none"> • 2 Counties, 32 municipalities • 10 Capital improvement projects • 150 Critical infrastructure facilities • 1 Class 1 rail line • 2 Interstate highways • 1 Publicly owned urban transit system • 2 Airports • 20 Health facilities • 3 Hospitals
<u>HAZMAT Release-Chemical</u>	<ul style="list-style-type: none"> • 1 County, 2 municipalities • 1 Capital improvement projects • 1 Critical infrastructure facility • 1 Class 1 rail line • 1 Health facility • 1 Hospital

Threat/Hazard	Impacts
<u>Active Shooter</u>	<ul style="list-style-type: none"> • 2 Counties, 12 municipalities • 2 Capital improvement projects • 15 Critical infrastructure facilities • 1 Class 1 rail line • 1 Interstate highway • 1 Publicly owned urban transit system • 2 Airports • 10 Health facilities • 2 Hospitals
<u>Wildfire</u>	<ul style="list-style-type: none"> • 1 County, 2 municipalities • 1 Capital improvement project • 3 Critical infrastructure facilities • 1 Health facility • 1 Hospital

Capability Target

Mitigation: Counties and municipalities implement their all hazard mitigation plans to achieve a 100% measurable decrease in long-term vulnerability to identified hazards for 2 counties, 12 municipalities, 2 capital improvement projects, 15 critical infrastructure facilities, 1 class 1 rail line, 1 interstate highway, 1 publicly owned urban transit system, 2 airports, 10 health facilities, 2 hospitals 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
Mitigation: 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
<u>Flood</u>	<ul style="list-style-type: none"> • 20,000 Residents in affected communities • 400 Persons with access and functional needs • 2 High priority assets • 2 Critical infrastructure sectors • 42 Impacted communities • 15 Square mile area
<u>Tornado</u>	<ul style="list-style-type: none"> • 100,000 Residents in affected communities • 1,200 Persons with access and functional needs • 25 High priority assets • 16 Critical infrastructure sectors • 36 Impacted communities • 10,000 Population at Fort Hood Military Base • 100 Square mile area
<u>HAZMAT Release-Chemical</u>	<ul style="list-style-type: none"> • 5,000 Residents in affected communities • 150 Persons with access and functional needs • 1 High priority assets • 1 Critical infrastructure sector • 3 Impacted communities • 15 Square mile area
<u>Active Shooter</u>	<ul style="list-style-type: none"> • 150,000 Residents in affected communities • 1,500 Persons with access and functional needs • 35 High priority assets • 16 Critical infrastructure sectors • 34 Impacted communities • 50,000 Population at Fort Hood Military Base • 20 Square mile area

Threat/Hazard	Impacts
<u>Wildfire</u>	<ul style="list-style-type: none"> 20,000 Residents in affected communities 100 Persons with access and functional needs 1 High priority assets 6 Critical infrastructure sectors 6 Impacted communities 50 Square mile area

Capability Target

Mitigation: Update and conduct 100% risk and disaster resilience assessments for 150,000 residents in affected communities, 1,500 persons with access and functional needs, 35 high priority assets, 16 critical infrastructure sectors, 34 impacted communities, 50,000 population at Fort Hood military base, and 20 square mile area 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 so as to clearly understand the needs of a community or entity.

Desired Outcome
Mitigation: 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
<u>Flood</u>	<ul style="list-style-type: none"> • 3 Worst case, plausible threats and hazards • 60,000 Residents in affected communities • 1,200 Persons with access and functional needs • 6 High priority assets • 6 Critical infrastructure sectors • 42 Impacted communities • 60 Square mile area • 3 Counties, 12 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

Threat/Hazard	Impacts
<u>Tornado</u>	<ul style="list-style-type: none"> • 5 Worst case, plausible threats and hazards • 250,000 Residents in affected communities • 2,500 Persons with access and functional needs • 50 High priority assets • 26 Critical infrastructure sectors • 42 Impacted communities • 50,000 Population at Fort Hood Military Base • 2,000 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
<u>HAZMAT Release-Chemical</u>	<ul style="list-style-type: none"> • 2 Worst case, plausible threats and hazards • 50,000 Residents in affected communities • 5,000 Persons with access and functional needs • 3 High priority assets • 16 Critical infrastructure sectors • 10 Impacted communities • 50,000 Population at Fort Hood Military Base • 100 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

Threat/Hazard	Impacts
<u>Active Shooter</u>	<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
<u>Wildfire</u>	<ul style="list-style-type: none"> • 4 Worst case, plausible threats and hazards • 300,000 Residents in affected communities • 3,000 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 • Resulting/cascading hazards and threats: Mass fatality risk

Capability Target

Mitigation: Complete 100% of threat and hazard identification assessments for 7 Worst case, plausible threats and hazards, 471,544 residents, 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 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



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

Response: Within 6 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
<u>Flood</u>	<ul style="list-style-type: none"> • 2,000 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 • 1 Mass transit facility
<u>Tornado</u>	<ul style="list-style-type: none"> • 4,300 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
<u>HAZMAT Release-Chemical</u>	<ul style="list-style-type: none"> • 1,000 Residents in the impacted area • 120 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
<u>Active Shooter</u>	<ul style="list-style-type: none"> • 2,000 Residents in the impacted area • 300 Persons with access and functional needs in the impacted area • 1,000 Tourists/transients • 1 Major highway (HWY 190) totaling 5 miles • 1 Mass transit facility

Threat/Hazard	Impacts
<u>Wildfire</u>	<ul style="list-style-type: none"> 2,000 Residents in the impacted area 200 Persons with access and functional needs in the impacted area 20 Tourists/transients 1 Major highway (HWY 36) totaling 33 square miles 1 Air route 10 Miles of rail line 1 Mass transit facility 1 Airport

Capability Target

Response: Within 6 hours of the incident, provide transport to evacuate 4,300 residents, 25 persons with access and functional needs, and 25 tourists/transients. Within 6 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

Response: Within the first 24 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 24 hours of the incident, develop and implement a plan to provide mental health services to the impacted populations.

Impacts

Threat/Hazard	Impacts
<u>Flood</u>	<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
<u>Tornado</u>	<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

Threat/Hazard	Impacts
<u>HAZMAT Release-Chemical</u>	<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 • 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 • 4,000 Animals livestock/domestic
<u>Active Shooter</u>	<ul style="list-style-type: none"> • N/A
<u>Wildfire</u>	<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

Response: Within the first 24 hours following an incident, conduct health and safety hazard assessments and disseminate guidance and resources to include deploying 1 HAZMAT team to support environmental health and safety actions for 100% of response personnel, and 20,000 residents and visitors, 400 persons with access and functional needs, and 4,000 animals across an impacted area of 15 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 the purpose of reunifying family members and caregivers with missing persons/remains, and providing counseling to the bereaved.

Desired Outcome
Response: During the first 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 caregivers with missing persons/remains and provide counseling to the bereaved.

Impacts

Threat/Hazard	Impacts
<u>Flood</u>	<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.
<u>Tornado</u>	<ul style="list-style-type: none"> • 200 Fatalities (remains) • Over an area of 20 square miles • 600 Bereaved • Contamination of fatalities requires protective equipment for 20 recovery personnel.
<u>HAZMAT Release-Chemical</u>	<ul style="list-style-type: none"> • N/A
<u>Active Shooter</u>	<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
<u>Wildfire</u>	<ul style="list-style-type: none"> • 5 Fatalities (remains) • Over an area of 50 square miles • 150 Bereaved • Contamination of fatalities requires protective equipment for 2 recovery personnel



Capability Target

Response: Within the first 48 hours following an incident, locate, process, and recover 200 fatalities over an area of 20 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 600 bereaved. Provide contamination protective equipment for 20 recovery personnel.

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

Response: Within the first 4 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
<u>Flood</u>	N/A
<u>Tornado</u>	N/A
<u>HAZMAT Release-Chemical</u>	N/A
<u>Active Shooter</u>	N/A
<u>Wildfire</u>	<ul style="list-style-type: none"> • 2 Type of fire • 50 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

Response: During the first 4 hours of notification, provide and coordinate structural, wildland, and specialized firefighting capabilities to manage, contain, and suppress a wildfire over a 50-square mile area encompassing 2,500 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.

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

Response: Within 12 hours after the incident, stabilize critical infrastructure functions, minimize health and safety threats

Recovery: Within 36 hours after the incident, efficiently restore and revitalize lifeline systems and services to support a viable, resilient community.

Impacts

Threat/Hazard	Impacts
<u>Flood</u>	<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 facility is damaged and inoperable
<u>Tornado</u>	<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
<u>HAZMAT Release-Chemical</u>	<ul style="list-style-type: none"> • 1 Bridge/railroad damaged
<u>Active Shooter</u>	<ul style="list-style-type: none"> • N/A

Threat/Hazard	Impacts
<u>Wildfire</u>	<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 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

Response: Within the first 12 hours of the incident, stabilize critical infrastructure functions, minimize health and safety threats for 5,000 customers, 100% communications network, 10 commercial buildings, food, medicine, fuel and other necessities, and 1 primary medical facility.

Recovery: Within the first 36 hours of the incident, efficiently restore and revitalize lifeline systems and services to include power outages for 5,000 customers, 100% communications network, 10 commercial buildings, food, medicine, fuel and other necessities, and 1 primary medical facility.

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

Response: Upon notification of impending incident, 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
<u>Flood</u>	<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
<u>Tornado</u>	<ul style="list-style-type: none"> • 2 Key transportation nodes • 4 Key supply nodes • 6 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.
<u>HAZMAT Release-Chemical</u>	<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
<u>Active Shooter</u>	<ul style="list-style-type: none"> • 2 Roads/highways blocked • Access to Fort Hood causes delays
<u>Wildfire</u>	<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

Response: Upon notification of impending incident, achieve a 100% increase in the security and resiliency of the supply chain. Secure 4 supply and 2 transportation nodes, 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

Response: Within 72 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
<u>Flood</u>	<ul style="list-style-type: none"> • 20,000 Residents needing assistance • 2,500 Residents with access and functional needs will require assistance • 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
<u>Tornado</u>	<ul style="list-style-type: none"> • 30,000 Residents needing assistance • 3,000 Residents with access and functional needs will require assistance • 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
<u>HAZMAT Release-Chemical</u>	<ul style="list-style-type: none"> • N/A
<u>Active Shooter</u>	<ul style="list-style-type: none"> • 1,000 Residents and 20,000 tourists needing assistance • 500 Residents with access and functional needs will require assistance • 1,000 Transients • 3,000 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

Threat/Hazard	Impacts
<u>Wildfire</u>	<ul style="list-style-type: none"> 20,000 Residents needing assistance 1,000 Residents with access and functional needs will require assistance 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

Response: Within the first 72 hours of the incident, provide life-sustaining services to 30,000 residents, to include 3,000 PAFN, providing 3,000 meals, 50,000 gallons of water, and shelter for 30,000 people. Food and shelter for 25,000 pets. 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

Response: 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
<u>Flood</u>	<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
<u>Tornado</u>	<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
<u>HAZMAT Release-Chemical</u>	<ul style="list-style-type: none"> • N/A

Threat/Hazard	Impacts
<u>Active Shooter</u>	<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
<u>Wildfire</u>	<ul style="list-style-type: none"> • 16,000 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

Response: Within the first 12 hours of the incident, conduct search and rescue operations to locate and rescue 30,000 persons (including 5,000 PAFN) and 20,000 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 also for response personnel engaged in lifesaving and life-sustaining operations.

Desired Outcome

Response: 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
<u>Flood</u>	<ul style="list-style-type: none"> • 2 Shelters needed • 1 Reception centers required • 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
<u>Tornado</u>	<ul style="list-style-type: none"> • 3 Shelters needed • 2 Reception centers required • 2 Pharmaceutical distribution centers • 200 Households • 30,000 Impacted population • 2 Municipalities • 14 Critical infrastructures • Area of 100 square miles • 40 Additional law enforcement/security officers are needed to prevent looting or over an area of 33 square miles

Threat/Hazard	Impacts
<u>HAZMAT Release-Chemical</u>	<ul style="list-style-type: none"> • 1 Reception center needed • 15,000 Impacted population • 3 Municipalities • 2 Critical infrastructures • Area of 15 square miles impacted • 15 Additional law enforcement units are needed to establish a perimeter of 15 square miles around the evacuated area
<u>Active Shooter</u>	<ul style="list-style-type: none"> • 1 Shelter needed • 1 Reception center required • 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
<u>Wildfire</u>	<ul style="list-style-type: none"> • 2 Shelters needed • 1 Reception centers required • 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

Response: Within 12 hours, provide a safe and secure environment through law enforcement and related security and protection operations to meet the needs of 30,000 residents to include 3,000, and 500 transients/visitors in 2 counties and 8 cities over 100 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 any and all means available, among and between affected communities in the impact area and all response forces.

Desired Outcome
Response: 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
<u>Flood</u>	<ul style="list-style-type: none"> • Types of communication: Landlines • 4 Square miles of impacted area • 25 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
<u>Tornado</u>	<ul style="list-style-type: none"> • Types of communication: cell towers • 100 Square miles of impacted area • 51 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
<u>HAZMAT Release-Chemical</u>	<ul style="list-style-type: none"> • N/A

Threat/Hazard	Impacts
<u>Active Shooter</u>	<ul style="list-style-type: none"> Types of communication: Landlines and cell towers 15 Square miles of impacted area, 50,000 residents 100 First responders Provide interoperable communication between law enforcement agencies: 10 local, 1 state, and 1 federal 4 Damaged communications/cell towers 0% Reduction in communications capacity in the first 72 hours following the event 0 Cell towers are down eliminating coverage Cellular networks overwhelmed by panicked population
<u>Wildfire</u>	<ul style="list-style-type: none"> Types of communication: Landlines and cell towers 40 Square miles of impacted area 25 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 Coryell County 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 Cellular networks overwhelmed by panicked population

Capability Target

Response: Within 1 hour of the incident, establish interoperable voice and data communications with 1 federal, 1 state and 10 local response agencies incorporating 100 first responders, and establish emergency communications with 50,000 impacted residents, over an impacted area of 15 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

Response: 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
<u>Flood</u>	<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 • 1 Primary medical facilities are damaged and inoperable
<u>Tornado</u>	<ul style="list-style-type: none"> • 500 Individuals hospitalized for injuries • 42 Individuals with access and functional needs require medical services • 22 Home care patients require hospital care • 1 Primary medical facility destroyed • 2 Primary medical facility damaged and inoperable
<u>HAZMAT Release-Chemical</u>	<ul style="list-style-type: none"> • 30 Individuals hospitalized for injuries • 10 Individuals with access and functional needs require medical services • 150 Exposed people
<u>Active Shooter</u>	<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
<u>Wildfire</u>	<ul style="list-style-type: none"> • 20 Individuals hospitalized for injuries • 5 Individuals with access and functional needs require medical services • 3 Home care patients require hospital care • Medical evacuations are needed for 1,500 patients from 1 hospital in evacuation zones



Capability Target

Response: Within 1 hour, provide triage and lifesaving medical treatment to 500 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 500 people in 2 counties and 8 cities over an area of 100 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

Response: 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
<u>Flood</u>	<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
<u>Tornado</u>	<ul style="list-style-type: none"> • 2 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
<u>HAZMAT Release-Chemical</u>	<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
<u>Active Shooter</u>	<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

Threat/Hazard	Impacts
<u>Wildfire</u>	<ul style="list-style-type: none"> 2 Regional coordination centers 4 Response and recovery partners 3 Municipalities 1 County 1 State agency 20 First responders and emergency managers 1 Private sector critical infrastructure

Capability Target

Response: Within 2 hours, share information with 24 first responders, emergency managers, and public/private partners in 2 counties and 2 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

Recovery: Within 36 hours, conduct a preliminary assessment of economic issues and identify potential inhibitors to fostering stabilization of the affected communities.

Impacts

Threat/Hazard	Impacts
<u>Flood</u>	<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
<u>Tornado</u>	<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
<u>HAZMAT Release- Chemical</u>	<ul style="list-style-type: none"> • \$2.5 Million in economic losses
<u>Active Shooter</u>	<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
<u>Wildfire</u>	<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

Recovery: Within 36 hours of the incident, conduct a preliminary assessment of issues resulting from the loss of \$380 million and 1,000 jobs, and identify potential inhibitors and foster stabilization of the economy in 2 counties and 8 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
Recovery: Within 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
<u>Flood</u>	<ul style="list-style-type: none"> • Impacted area of 35 square miles • Types of basic health and social services assessments needed • Assessments needed: Trauma, necessities, illnesses, vaccinations • 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
<u>Tornado</u>	<ul style="list-style-type: none"> • Impacted area of 100 square miles • Types of basic health and social services assessments needed • Assessments needed: Trauma, necessities, illnesses • 1 Primary care facility impacted • 1 Hospital impacted • 3 First responders require crisis counseling
<u>HAZMAT Release-Chemical</u>	<ul style="list-style-type: none"> • Impacted are of 10 square miles • Types of basic health and social services assessments needed • Assessments needed: Chemicals inhaled, poisoned food/water supply
<u>Active Shooter</u>	<ul style="list-style-type: none"> • Impacted are of 15 square miles • Types of basic health and social services assessments needed • Assessments needed: Trauma, wound and injury • 2 First responders require crisis counseling
<u>Wildfire</u>	<ul style="list-style-type: none"> • Impacted are of 50 square miles • Types of basic health and social services assessments needed • Assessments needed: Trauma, Burns, Smoke inhalation, necessities, illnesses, financial support, employment services • 10 Patients on ventilators must be cared for manually until evacuated • 2 First responders require crisis counseling



Capability Target

Recovery: Within 3 days, restore health and social services to promote the resilience, independence, health and well-being over and impacted area of 100 square miles. The services for 1 hospital, 1 primary care facilities, and 3 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

Recovery: 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
<u>Flood</u>	<ul style="list-style-type: none"> • 300 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
<u>Tornado</u>	<ul style="list-style-type: none"> • 30,000 Residents displaced • 900 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 • 20,000 Displaced animals
<u>HAZMAT Release-Chemical</u>	<ul style="list-style-type: none"> • N/A
<u>Active Shooter</u>	<ul style="list-style-type: none"> • N/A
<u>Wildfire</u>	<ul style="list-style-type: none"> • 10,000 Residents displaced • 1,200 Residents displaced (with Access and Functional Needs) • 9,000 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

Recovery: Within 72 hours of the incident, assess preliminary housing impacts and needs and identify currently available options for temporary housing of 30,000 displaced persons, to include 900 PAFN, and shelter for 20,000 animals. Develop a community housing development plan to create permanent housing for 30,900 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
Recovery: 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
<u>Flood</u>	<ul style="list-style-type: none"> • 10 Historic buildings are severely damaged or destroyed
<u>Tornado</u>	<ul style="list-style-type: none"> • 3 Parks and recreational areas • 1 Government Facility at Fort Hood
<u>HAZMAT Release-Chemical</u>	<ul style="list-style-type: none"> • 1 habitat affected
<u>Active Shooter</u>	<ul style="list-style-type: none"> • N/A
<u>Wildfire</u>	<ul style="list-style-type: none"> • 1 Historic site • 1 Habitat of endangered, threatened, and candidate species • 2 Parks and recreational areas

Capability Target

Recovery: Within 1 week of the incident, conduct a preliminary assessment of its impact on the 10 historical buildings in the 15 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 Emergency Services Program Manager
- 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