



2. Planning Process

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This chapter documents the process used to update this plan, including how the State coordinates its efforts with other agencies and planning efforts. The chapter is divided into three parts:

- Documentation of the Planning Process
- Coordination among Agencies
- Integration with other Planning Efforts

2.1 Documentation of the Planning Process

Requirement 201.4(c)(1): The plan must include a description of the planning process used to develop the plan, including how it was prepared, who was involved in the process, and how other agencies participated.

The process established for this planning effort is based on the Disaster Mitigation Act of 2000 planning and update requirements and the Federal Emergency Management Agency's (FEMA) associated guidance for state hazard mitigation plans. The Kansas Hazard Mitigation Team followed FEMA's recommended four-step mitigation planning process:

- Identify and organize available resources
- Identify hazards and assess risk
- Develop a mitigation strategy and mitigation plan
- Implement the plan and monitor progress

The Kansas statewide mitigation-planning program is designed to coordinate the efforts of many state agencies and organizations in mitigation planning and programming on an ongoing basis. It is also intended to actively promote and coordinate mitigation planning and programming by local jurisdictions. Specifically, mitigation planning in Kansas is designed to:

- Encourage and facilitate a multi-organizational, multi-jurisdictional approach to mitigation planning, striving to develop interrelated and coordinated plans and programs at both the state and local levels;
- Use a consistent and valid, but practical, technical approach to mitigation plan development to allow statewide comparability of information, regardless of the jurisdiction or level of government;
- Promote a mitigation planning process that prioritizes available time and resources to address the highest risk hazards confronting the communities of Kansas and the mitigation goals that have been established at the state and local levels; and
- Recognize that mitigation planning and programming must be an ongoing process that can never be fully completed due to continual changes in the communities of Kansas, in the hazards they confront, as well as the resources and capabilities available to mitigate vulnerabilities to those hazards.

2.1.1. Evolution of the State Hazard Mitigation Plan

Kansas Hazard Mitigation Team

The development, implementation, and maintenance of the Kansas Hazard Mitigation Plan are the responsibility of the Kansas Hazard Mitigation Team (KHMT). The KHMT is made up of representatives of the principal state agencies and organizations with authorities, responsibilities, or expertise related to hazard mitigation programs and meets on a quarterly basis. The Kansas Commission on Emergency Planning and Response chartered the KHMT in 2001. The charter for the KHMT, **Figure 2.1**, stipulates its duties, membership, and responsibilities.

Figure 2.1. Charter of the Kansas Hazard Mitigation Team

Charter of the Kansas Hazard Mitigation Team	
1.	Purpose: To assess hazard mitigation needs, develop and implement statewide hazard mitigation policies, promote coordination of mitigation programs at all levels of government; pursue alternate mitigation funding strategies;
2.	Powers and Responsibilities: The Kansas Hazard Mitigation Team shall have the following functions, powers, and duties: <ol style="list-style-type: none">The development and maintenance of an effective statewide Hazard Mitigation Program, involving all levels of government encouraging government officials to continually strive to promote Hazard Mitigation, and develop disaster cost-reduction initiatives.Determination of the capabilities of each State and Federal agency to address various hazards, including the legal authority of each agency and the programs and funding sources available to address mitigation activities;Active participation in the development, implementation and maintenance of a comprehensive State Hazard Mitigation Plan, with the support of the Division of Emergency Management, Adjutant General's Department;Designate teams to focus on researching, developing, reviewing, specific policies or processes of various hazard mitigation aspects;Coordinate all hazard reduction programs, objectives and procedures to carry out these objectives through<ol style="list-style-type: none">Coordinated strategies to further common program objectives,Identification and evaluation of common priorities for each program,Review and make recommendations on applications for program assistance,Coordination of mitigation activities with local and Federal government programs,Propose statewide mitigation policies to the Governor, Commission on Emergency Planning and Response, and agency heads.Recommend methods to improve mitigation activities of State agencies, local governments, Federal government, and private industry; andReview grant applications to make funding recommendations to appropriate agencies, andSeek innovative means to effect solutions to known hazards.The Adjutant General's Department, Division of Emergency Management, shall provide staff support for the Kansas Hazard Mitigation Team.
3.	Membership: <ol style="list-style-type: none">Core Hazard Mitigation Team will be composed of authorized representative(s) from:<ol style="list-style-type: none">Adjutant General's DepartmentKansas Department of AgricultureKansas Department of Commerce and HousingKansas Department of Health and EnvironmentKansas Department of TransportationKansas Legislative Research DepartmentKansas State Historical SocietyKansas Water OfficeKansas Wildlife and ParksThe Kansas Hazard Mitigation Team's membership may be expanded, when additional expertise is needed for specific hazards, to include the following state, agencies:

- i. Kansas Biological Survey
 - ii. Kansas Corporation Commission
 - iii. Kansas Department of Administration
 - iv. Kansas Department of Education
 - v. Kansas Department of Human Resources
 - vi. Kansas Department on Aging
 - vii. Kansas Forest Service
 - viii. Kansas Geological Survey
 - ix. Kansas Highway Patrol
 - x. Kansas Insurance Department
 - xi. Kansas State Fire Marshal's Office
 - xii. State Conservation Commission
- c. To ensure representation of Federal partners the following agencies will be invited to participate on the team:
- i. Federal Emergency Management Agency
 - ii. Housing and Urban Development
 - iii. National Weather Service
 - iv. U.S. Army Corps of Engineers
 - v. US Department of Agriculture
 - vi. US Department of Health and Human Services
 - vii. US Department of Interior, Bureau of Reclamation
 - viii. US Economic Development Agency
 - ix. US Geological Survey
 - x. US Railroad Administration
 - xi. US Small Business Administration
- d. To ensure representation of local governments the following associations will be invited to participate on the team:
- i. Kansas League of Municipalities
 - ii. Kansas Association of Conservation Districts
 - iii. Kansas Association of Counties
 - iv. Kansas Rural Water Association
 - v. State Association of Kansas Watersheds
4. Chairperson: Selected annually by the Core Hazard Mitigation Team members.
 5. Vice-Chairperson: Designated by the Chairperson.
 6. Frequency of Meetings and Time Allotted: The Kansas Hazard Mitigation Team shall have authority to convene as necessary, and the Chairperson will be responsible for finalizing agenda issues and determining meeting times.
 7. Level of Empowerment: provide advice, assistance and make recommendations, evaluation and endorsement of mitigation projects.
 8. Feedback: Publish meeting summaries. Report to the Kansas Emergency Preparedness and Response Commission on a semi-annual basis.

Previous State Mitigation Plans

The initial version of the Kansas Hazard Mitigation Plan was titled the Kansas Hazard Mitigation Strategy. The January 2002 version described a long-term plan for state-level actions needed to improve hazard mitigation programs throughout Kansas to create a more disaster-resilient state. In 2004, this plan was updated according to the FEMA guidance developed to meet the requirements of the Disaster Mitigation Act of 2000. With contracted assistance, the State entered the plan into mitigation planning software. This created a database repository of the plan, but the hard copy version, while very detailed, was not considered user friendly. During the 2007 update, the plan underwent a significant overhaul, was converted into a common word processing program and was reorganized to follow the FEMA planning guidance and state plan review crosswalk. For the subsequent update in 2010 and as well as this 2013 update, this general format continued.

2.1.2. 2013 Plan Update Process

In July 2012, the Kansas Division of Emergency Management (KDEM) initiated the planning process to update the Kansas Hazard Mitigation Plan. The State Hazard Mitigation Officer served as the planning lead. For assistance in development of the plan update, KDEM contracted with AMEC Environment and Infrastructure, Inc. (AMEC).

AMEC's role was to:

- Attend and facilitate planning process update meetings at the quarterly meetings of the KHMT,
- Ensure the plan update meets the DMA requirements as established by federal regulations and following FEMA's state plan update guidance,
- Identify the data requirements that KHMT participants should provide and conduct the research and documentation necessary to augment that data,
- Complete labor intensive tasks such as completing HAZUS-MH flood and earthquake loss estimations, integrating local level risk assessments, improving statewide vulnerability assessment, improving vulnerability analysis of state facilities,
- Produce the draft and final plan documents, and
- Coordinate the FEMA Region VII plan reviews.

Coordination with the Kansas Hazard Mitigation Team

Since the KHMT is a chartered, long-standing working group that is tasked with the maintenance of the Kansas Hazard Mitigation Plan, the 2013 Kansas Hazard Mitigation Plan process update was added to their quarterly meeting agendas starting in August 2012.

The kickoff meeting invitation along with the meeting agenda was sent out via email on August 2, 2012 by KDEM. A copy of the invitation letter can be seen in **Figure 2.2** and all meeting sign-in sheets, agendas and meeting minutes are maintained at KDEM as Supplemental Documentation, available on request. In addition to the chartered members, various state and federal agencies were invited by KDEM to participate in the KHMT for the 2013 plan update. The agencies' participation was based on their previous involvement with state mitigation planning activities, the KHMT charter, or their stake in reducing hazard losses in Kansas.

Figure 2.2. Kickoff KHMT Meeting Invitation

Dear Departmental Representative/ Hazard Mitigation Team Member:

This email is to invite you to the upcoming Hazard Mitigation Kick-Off Meeting scheduled for Wednesday, August 15th from 1:00 PM to 4:00 PM. You are receiving this email either because you are currently a member of Kansas State Hazard Mitigation Team or because you have been identified as a new committee member for the new update cycle.

The State Hazard Mitigation Plan is a critical requirement for securing Federal Emergency Management Agency mitigation funding for the state of Kansas. After an update in 2010, it is once again time to begin the plan update process to prevent a gap in Mitigation Plan coverage for Kansas. The current plan is nearing the end of its three year life with an expiration date of November 28, 2013.

The Kansas Division of Emergency Management has taken the lead in updating this plan. The State has engaged a consultant, AMEC Environment and Infrastructure, to manage the planning project. AMEC will facilitate the planning process, collect the necessary data, and perform other technical services, including updating the risk assessment and plan document. However, KDEM and AMEC will need your help to successfully complete this project.

The hazard mitigation planning process is heavily dependent on the participation of representatives from state and federal agencies, the public, and other stakeholder groups.

Your department's participation on the committee is requested due to your ability to contribute needed information, technical knowledge, or other valuable experience to the plan. We hope you will please plan to attend and/or designate a representative to attend the kickoff meeting, which will discuss the benefits of updating Kansas's Hazard Mitigation Plan, the project schedule, and data needs from other agencies.

State of Kansas Hazard Mitigation Plan Kickoff Meeting

Date: August 15, 2012

Time: 1pm to 4:00pm

Place: Nickell Armory, Topeka, Kansas

If you have any questions, problems or concerns please do not hesitate to email me at the email address above or give me a call at (785) 274-1973.

Sincerely,

Jacob Gray
State Hazard Mitigation Officer

State agency participation was defined early in the planning process and presented at the KHMT kickoff meeting. Participation guidance asked KHMT members to:

- Attend meetings,
- Assist with data collection,
- Review plan drafts,
- Integrate with other planning mechanisms,
- Coordinate with other agencies, and
- Provide input to mitigation strategy/actions.

At the kickoff meeting, the planning team discussed the purpose and requirements of the state plan update, review the role of the KHMT, roll-up of Local Plans, the integration of documentation demonstrating conformance with Emergency Management Accreditation Program (EMAP) guidelines, update/revision of the hazard rankings and associated Calculated Priority Risk Index from the 2010 plan, update the risk assessment, and the project timelines.

Table 2.1 lists the dates and purposes of the KHMT meetings during the 2013 update planning process and the meetings prior to the plan update process. Copies of the draft risk assessment part 1 were distributed at planning meeting #2 on November 15, 2012 along with a Data

Collection Guide to gather state agency capability updates and changes. At planning meeting #3 on February 13, 2013, copies of the draft risk assessment part 2 were distributed. The draft plan versions were also posted on a secure file transfer protocol (ftp) site managed by the planning contractor to allow all agencies and individuals to review and comment. Targeted outreach efforts were made by the State Hazard Mitigation Officer and planning contractor to specific agencies during the planning process, as needed.

Table 2.1. Meetings of the KHMT during the 2013 Plan Update Process

Meeting	Date	Purpose
1. Project Kickoff	08/15/2012	<ul style="list-style-type: none"> Hazard Mitigation Projects update Regional Hazard Mitigation Planning Emergency Management Accreditation Program (EMAP) Review Disaster Mitigation Act planning requirements Review role of KHMT Roll-up of Local Plans Hazard rankings and Calculated Priority Risk Index Update of risk assessment Plan update timeline Update on Silver Jackets pilot projects
2. Risk Assessment Draft Part 1	11/15/2012	<ul style="list-style-type: none"> Hazard Mitigation Projects update Regional Hazard Mitigation Planning update Review and comment on draft risk assessment part 1 Data Collection Guide handed out on State Agency Capabilities Update on Silver Jackets pilot projects
3. Risk Assessment Draft Part 2	02/13/2013	<ul style="list-style-type: none"> Hazard Mitigation Projects update Regional Hazard Mitigation Planning update Review and comment on draft risk assessment part 2 Review and update plan goals and objectives Update on Silver Jackets pilot projects
4. Mitigation Strategy	05/15/2013	<ul style="list-style-type: none"> Hazard Mitigation Projects update, New FEMA-DR-4112 Regional Hazard Mitigation Planning update Draft Risk Assessment includes Integration of Local Hazard Mitigation Plans and the State Owned and Operated Facilities: Vulnerability and Loss Estimates Key Issues from Risk Assessment Status of Mitigation Actions from 2010 Plan Develop New Mitigation Actions, STAPLEE Any changes in State Capabilities Review and update plan maintenance Update on Silver Jackets pilot projects
Meetings of the KHMT Prior to the 2013 Plan Update Process		
KHMT Meeting	11/22/2010	<ul style="list-style-type: none"> Hazard Mitigation Projects update Local Hazard Mitigation Plans update State Hazard Mitigation Plan status
KHMT Meeting	03/02/2011	<ul style="list-style-type: none"> Hazard Mitigation progress report Presentation on USACE Dam Safety Program Flood Mitigation Plans through USACE US Department of Justice new regulations
KHMT Meeting	11/07/2011	<ul style="list-style-type: none"> Hazard Mitigation Projects update Local Hazard Mitigation Plans update Hazard Mitigation 101 power point

Meeting	Date	Purpose
		<ul style="list-style-type: none"> • Disasters-4010 and 4035 • Kansas Hazardous Weather • State Hazard Mitigation Plan Update 2013 • Projects Rating Core Team and Scoring Criteria
KHMT Meeting	02/08/2012	<ul style="list-style-type: none"> • Hazard Mitigation Projects update • Local Hazard Mitigation Plans update • Levee Repairs Overview • Silver Jackets Wildcat Creek program • Kansas Hazard Mitigation Plan update • Rating Core team • All Hazards Radios • RiskMap meetings
KHMT Meeting	05/17/2012	<ul style="list-style-type: none"> • Hazard Mitigation Projects overview • Regional Hazard Mitigation Planning • NWS online map integration tool • USACE presentation on levee rehab

Figure 2.3 provides photos of various attendees of the KHMT meetings.

Figure 2.3. Photos from the KHMT Planning Meetings



A detailed contact list of the planning process participants is recorded in the Supplemental Documentation maintained by KDEM.

Table 2.2 documents the state agencies, local, tribal, and federal stakeholders that participated in the 2013 plan update process by attending meetings, providing data and commenting on the plan drafts. As this table demonstrates, there were additional stakeholder representatives that attended planning meetings that are not normally part of the KHMT. Sign-in sheets indicating specific representatives in attendance are available in the Supplemental Documentation maintained by KDEM.

Table 2.2. Participation of Agencies in the 2013 Plan Update Process

Agency/Association	08/15/2012 Mtg	11/15/2012 Mtg	02/13/2013 Mtg	05/15/2013 Mtg	Provided data/ comments on draft plan chapters
State Agencies					
Adjutant General's Department	X	X			X
Kansas AGD, Division of Emergency Management	X	X	X	X	X
Kansas Department of Agriculture	X	X	X	X	X
Kansas Department of Commerce	X				X
Kansas Department of Corrections		X	X		
Kansas Department of Labor					X
Kansas Department of Health and Environment			X	X	X
Kansas Department of Transportation					X
Kansas Department of Wildlife, Parks & Tourism		X			X
Kansas Department for Children & Families					X
Kansas Division of Emergency Management	X	X	X	X	
Kansas Forest Service				X	X
Kansas Geological Survey					X
Kansas Highway Patrol	X		X		X
Kansas Historical Society	X		X	X	X
Kansas Insurance Department	X				X
Kansas State Fire Marshal's Office	X			X	X
Kansas State University					X
Kansas Water Office		X	X	X	X
Kansas Wildlife, Parks & Tourism		X	X	X	X
University of Kansas— Biological Survey		X		X	X
Local Stakeholders					
Kansas Association for Floodplain Management					X
Kansas Association of Counties					X
Kansas Electric Cooperatives					X
Kansas Emergency Management Association	X	X			X
Kansas Municipal Utilities	X		X	X	
Kansas Rural Water Association					X

Agency/Association	08/15/2012 Mtg	11/15/2012 Mtg	02/13/2013 Mtg	05/15/2013 Mtg	Provided data/ comments on draft plan chapters
League of Kansas Municipalities					X
State Association of Kansas Watersheds					X
Tribal Stakeholders					
Kickapoo Tribe in Kansas				X	X
Federal Stakeholders					
FEMA Region VII	X	X	X	X	X
National Weather Service— Topeka	X				X
U.S. Army Corps of Engineers— Kansas City District	X	X	X	X	X

Plan Review and Analysis

During the 2013 plan update, the KHMT updated each of the sections of the previously approved plan to include new information and format the plan’s contents. The KHMT analyzed each section using FEMA’s state plan update guidance to ensure that the plan met requirements. KHMT members were given the following opportunities to review the draft plan that was posted on a secure (ftp) site managed by the planning contractor to allow all agencies and individuals to review and comment. **Table 2.3** is the schedule of the draft KHMP reviews for the 2013 plan update.

Table 2.3. Timeframes for Draft KHMP Reviews

Draft KHMP to Review	Timeframe for Review
Draft Risk Assessment Part 1, 10 hazards	November 15 - December 14, 2012
Draft Risk Assessment Part 2, 11 additional hazards	January 18 – March 8, 2013
Draft Risk Assessment, all hazards, local roll-up, and state facilities vulnerability	May 15 – 30, 2013
Full Draft KHM Plan update, chapters 1-6	June 27 – July 19, 2013

Feedback was received in the form of emailed comments, written comments, and documents with information relative to the plan or the appropriate agency’s section. Feedback was collected and reviewed by the planning contractor and KDEM and incorporated in the plan, as appropriate, to create a final draft for state adoption, which was then submitted to FEMA Region VII for review and approval.

Table 2.4 briefly summarizes how each section of the plan was reviewed and analyzed to capture changes that occurred since the previous plan was approved.

Table 2.4. Summary of Update Review and Analysis of Each Plan Section

Plan Section	Update Review and Analysis
1.0–1.5 Introduction	<ul style="list-style-type: none"> Reviewed for accuracy and updated to meet FEMA requirements
2.0–2.3 Planning Process	<ul style="list-style-type: none"> Described planning process for 2013 update, including coordination among agencies and integration with other planning efforts.
3.1 Risk Assessment Overview	<ul style="list-style-type: none"> Updated section to meet FEMA requirement to analyze growth and development trends. Updated population and housing unit growth trends between 2000-2010 at county level Cultural Resources was added to Section 3.1.5
3.2 Identifying Hazards	<ul style="list-style-type: none"> Reviewed list of hazards from 2010 with methodology to determine planning significance. Eliminated fog hazard from list. Civil Disorder was separated as a stand-alone hazard from Terrorism/Agri-terrorism. Updated declaration table and figures by disaster. Added USDA Disaster Declarations.
3.3 Hazard Profiles and State Risk Assessment	<p style="text-align: center;">Updates for All Hazards</p> <ul style="list-style-type: none"> Where data is presented by county, the Mitigation Planning Region is indicated. For most of the tables, the counties are sorted by Mitigation Planning Region and then alphabetically within the planning region. Hazard profiles were updated with additional information on previous events. Revised vulnerability assessment and state estimates of potential losses were expanded within each hazard section and reported by county where data was available. <ul style="list-style-type: none"> The separate vulnerability analysis appendices were removed as this information is now provided within each hazard section. Each profiled hazard has a new section titled Consequence Analysis, which is the result of the Emergency Management Accreditation Program (EMAP) hazard impact analysis. USDA Risk Management Agency insured crop loss data has been updated and added to each natural hazard profile. <p style="text-align: center;">Hazard Specific Updates</p> <ul style="list-style-type: none"> Agriculture Infestation profile includes Animal Disease, Crop Pests/Disease, Tree Pests, and Wildlife Pests Civil Disorder is a profiled hazard with added types of crowds and mobs. Hypothetical scenarios added for potential losses. Dam and Levee Failure was updated to include potential impacts of dams in adjacent states. Levee inventory was compiled from integration of the USACE NLD and the FEMA MLI lists. Vulnerability analysis of both dam and levee failure was enhanced. Loss estimates of levee failure quantified utilizing protected area data from the FEMA MLI. Drought hazard update includes detailed descriptions of recent droughts in 2012 and 2011 and updated list of drought vulnerable public water suppliers. Earthquake hazard has statewide losses quantified using HAZUS-MH. Extreme Temperatures hazard was updated to include recorded heat fatalities.

Plan Section	Update Review and Analysis
	<ul style="list-style-type: none"> • Flood profile includes Flash Flooding and Riverine Flooding. Statewide flood losses have been quantified using HAZUS-MH. HAZUS maps of the One Percent Annual Change Floodplain are displayed by Mitigation Planning Regions. Repetitive loss and Severe Repetitive Loss inventories updated. • Hazardous Materials hazard updated to include information in profile regarding numbers and types of hazardous materials spill incidents. • Land Subsidence hazard was updated to include additional data from KDHEs Surface Mining Section with additional analysis and loss estimation • Major Disease Outbreak hazard was updated to include details on Vaccine Preventable Disease and Food borne Disease. • Terrorism/Agri-terrorism hazard was updated to include information obtained from the Southern Poverty Law Center as well as other cited sources. Text regarding Civil Disorder has been moved to the newly created Civil Disorder Hazard. Scenario based vulnerability planning for Chemical, Biological, Radiological, and Explosive terrorist events have been added. This information utilized a hypothetical scenario for each hazard in lieu of actual previous cost information as no information regarding actually cost is available. • Tornado hazard was updated to incorporate a Mobile Home Vulnerability Section. • Utility/Infrastructure Failure hazard was updated with additional details regarding primary and cascading impacts from other hazards. • Wildfire hazard was updated to include additional profile and vulnerability data based on the <i>2011 Kansas Forest Action Plan</i>.
3.4 Integration of Local Plans: Vulnerability and Loss Estimates	<ul style="list-style-type: none"> • Reviewed hazard profiles and risk assessments from 104 county plans to summarize the percentage of local plans ranking of the hazards, the number of high, moderate, low and not rated hazards in local plans, and flood loss estimates and vulnerability.
3.5 State Owned and Operated Facilities: Vulnerability and Loss Estimates	<ul style="list-style-type: none"> • This section was greatly expanded as a result of the availability of the GIS-based inventory of State owned and operated facilities provided by KDEM. GIS-based vulnerability analysis and associated loss estimates were completed for four hazards: dam & levee failure, earthquake, flood, and hazardous materials. Vulnerability of state facilities to all other hazards was included based on vulnerability of counties and numbers and values of state facilities within high/medium-high vulnerability counties.
3.6 References	<ul style="list-style-type: none"> • This section was updated based on data sources used.
4.1 Goals and Objectives	<ul style="list-style-type: none"> • Reviewed goals and objectives from the 2010 plan and concluded that they were still representative of the state's mitigation strategy.
4.2 State Capability Assessment	<ul style="list-style-type: none"> • Updated the state capabilities, both pre and post disaster, and how these capabilities have changed since the previously approved plan. • Discussed changes in state funding capability and the State's policies addressing development in hazard-prone areas.
4.3 Local Capability Assessment	<ul style="list-style-type: none"> • Reviewed capability assessments in local plans to develop a general description of local capabilities. • Analyzed effectiveness of local capabilities based on local emergency managers experiences.
4.4 Mitigation Actions	<ul style="list-style-type: none"> • Documented progress of state mitigation actions since the previously approved plan and identified new actions.
4.5 Funding Sources	<ul style="list-style-type: none"> • Updated primary funding sources with more detail and updated list of other potential funding sources.
5.1 Local Funding and Technical Assistance	<ul style="list-style-type: none"> • Updated information on the status of local plan completion.

Plan Section	Update Review and Analysis
	<ul style="list-style-type: none"> • Describes KDEM new initiative to support regional hazard mitigation plans throughout the State. • Described how the State provided planning and technical assistance to local governments over the last three years.
5.2 Local Plan Integration	<ul style="list-style-type: none"> • Describes the linkage with regional and local plans with the KHMP.
5.3 Prioritizing Local Assistance	<ul style="list-style-type: none"> • Described the criteria KDEM uses to determine project eligibility and prioritize projects. • Assessed the challenges and success of prioritization.
6.0–6.2 Plan Maintenance Process	<ul style="list-style-type: none"> • Reviewed procedures for monitoring, evaluating, and updating the plan and determined only minor changes were required to the schedule for plan monitoring.

2.2 Coordination among Agencies

Requirement 201.4(b): The [State] mitigation planning process should include coordination with other State agencies, appropriate Federal agencies, interested groups, and.

The updated plan should describe how the State interacted with all levels of government as indicated above. It should also describe how coordination among agencies changed since approval of the previous plan.

The previous section, Section 2.1 Documentation of the Planning Process, discussed the agencies invited to participate on the KHMT for the 2013 plan update. Members of the KHMT participated in the update process by attending planning meetings, providing data and information, and commenting on the draft version of the plan. The KHMT continues to change as more agencies attend and participate in the quarterly meetings and the KHMT has grown stronger over time. In addition to the regular business of each KHMT meeting, they rotate state and federal agencies to present about an initiative going on at their agency. The State of Kansas, federal agencies, private non-profit organizations, stakeholder associations, and local agencies continue to use all forms of communication to coordinate a multitude of tasks whether it's day-to-day activities or major disasters in the State.

One specific example of coordination and collaboration that occurs through the KHMT is regular participation of a representative from the U.S. Army Corps of Engineer's Silver Jacket Program. The lead Silver Jackets Coordinator for Kansas directly participates on the KHMT representing all the USACE districts within the State. There has been a significant level of effort to coordinate with other federal agencies, attending the KHMT quarterly meetings, and completing a USACE Pilot Project that provides pre-emptive warnings and predictive flood modeling and forecasting.

In recognition of their efforts, Kansas was awarded the 2011 State Silver Jackets Team of the Year by their peer state hazard mitigation programs. **Figure 2.4** shows Jacob Gray, State Hazard Mitigation Officer for the Kansas Division of Emergency Management, accepting the Silver Jackets 2011 State Team of the Year Award on behalf of the Kansas Hazard Mitigation Team from KDEM Deputy Director Angee Morgan.

Figure 2.4. Acceptance of the Silver Jackets 2011 State Team of the Year Award



Photo courtesy of Staff Sgt. Jessica Barnett, Public Affairs Office

Local Stakeholders involved in the recent planning process are listed in **Table 2.2**. Seven local stakeholder associations and one tribal stakeholder were involved in this plan update by attending meetings and/or supplying supplemental data for the plan update.

The adjacent state agencies for Dam Safety were contacted to gather information concerning dam inundation areas that affect Kansas for this plan update. This includes the states of Colorado, Missouri, Nebraska, and Oklahoma.

Kansas participated in the Missouri River Flood Task Force established by the USACE in response to the Missouri River Basin flood in 2011. They gathered to discuss and report on improving cooperation, collaboration, coordination, and communication among all parties in the Missouri River Basin. They emphasized the need to return to pre-flood conditions or better.

Hazard mitigation planning involves multiple government agencies, private, professional and voluntary organizations as well as commerce and industry. The KHMT understands the importance of this planning process and having an approved State Hazard Mitigation Plan in Kansas.

2.3 Integration with Other Planning Efforts, Programs, and Initiatives

Requirement 201.4(b): [The State mitigation planning process] should be integrated to the extent possible with other ongoing State planning efforts as well as other FEMA mitigation programs and initiatives.

The State of Kansas is committed to the multi-agency mitigation strategy outlined in this plan. Details on additional related planning programs and initiatives are discussed and highlighted in Section 4.2 State Capability Assessment.

This plan is related to the following state-level plans and programs:

- Continuity of Operations Plan, coordinated by KDEM.
- Drought Response Team Operations Plan, coordinated by the Kansas Water Office
- Floodplain Management Program, coordinated by Kansas Division of Water Resources
- Kansas State Water Plan, coordinated by the Kansas Water Office
- Kansas Response Plan, coordinated by KDEM
- Kansas Hazard Mitigation Grant Program Administrative Plan, coordinated by KDEM
- Kansas Planning Standards, coordinated by KDEM
- Kansas GIS Strategic Plan, coordinated by the Adjutant General's Department
- Kansas Forest Action Plan, coordinated by the Kansas Forest Service

Information from each of these plans/programs is utilized within the applicable hazard sections in chapter 3. In particular, this mitigation plan supplements and supports the projects identified in the Kansas Water Plan that contribute to mitigation of drought, flood, and soil erosion hazards. The Kansas Water Plan is coordinated by the Kansas Water Office and involves multiple state agencies. The State of Kansas Hazard Mitigation Grant Program (HMGP) Administrative Plan outlines the state's policies and procedures for using post-disaster HMGP funds, which could be used to fund some of the actions identified in this plan.

In addition to the state-level plans and programs, the state mitigation planning process is integrated with other FEMA mitigation programs and initiatives as follows:

- FEMA National Flood Insurance Program
- FEMA RiskMAP Program
- FEMA Hazard Mitigation Assistance Grants
- FEMA Public Assistance, Section 406 Hazard Mitigation

The mitigation plan is linked with Kansas Department of Agriculture Division of Water Resource's (KDA-DWR) programs to manage FEMA's Floodplain Management Program, which includes the National Flood Insurance Program and the coordination of the statewide floodplain mapping activities. As of October 2012, 446 communities participate in the National Flood Insurance Program (NFIP), including 69 that do not have special flood hazard areas and 121 that are only minimally flood-prone. There are 13 Kansas communities that participate in the NFIP Community Rating System (CRS) and this number is growing larger every year.

The Kansas Division Water Resources provides floodplain management information and technical assist to help local offices in participating communities. It also encourages non-participating communities to join the NFIP. There are seminars throughout the year on topics such as Basics of the NFIP, Elevation Certificates and Letters of Map Amendment, Floodplain Mapping, Post Flood Responsibilities, Substantial Damage Estimation, Independent Study, and new CRS Coordinator's Manual changes. These seminars have been instrumental in increasing the number of communities participating in both of these programs. KDA-DWR advertises the courses in a variety of ways including their newsletter which reaches 755 e-mail contacts and 95 postal contacts. In 2012, the following seminars were completed in cooperation with the Federal Floodplain programs:

- Post Flood Responsibilities – March, April, August and October
- Elevation Certificates /Letters of Map Amendment – March, May, Oct and December
- Floodplain Management Conference – September
- Basics of the NFIP – March, April, August and October
- Substantial Damage Estimator – June and October
- Grant Writing for Mitigation Projects – October
- Community Rating System E-278 – September
- Dam Safety Conference – February

The Kansas Division Water Resources administers FEMA's Risk Mapping, Assessment, and Planning (RiskMAP) that creates Digital Flood Insurance Rate (DFIRMS) and uses the flood risk data and tools to communicate risk to local citizens and enable communities to enhance their mitigation efforts. There have been 11 watersheds Final Discovery meetings and reports completed in Kansas and the reports can be viewed at <http://www.ksda.gov/structures/content/196/cid/2039>). Staff members from the Kansas Department of Agriculture are an integral part of each Risk Map meeting process, and the Kansas Division of Emergency Management's Mitigation Planning Section staff has been attending every Resilience meeting. The watersheds that have completed the Resilience meeting to date are: Lower Republican, Lower Big Blue, and the Lower Little Big Blue.

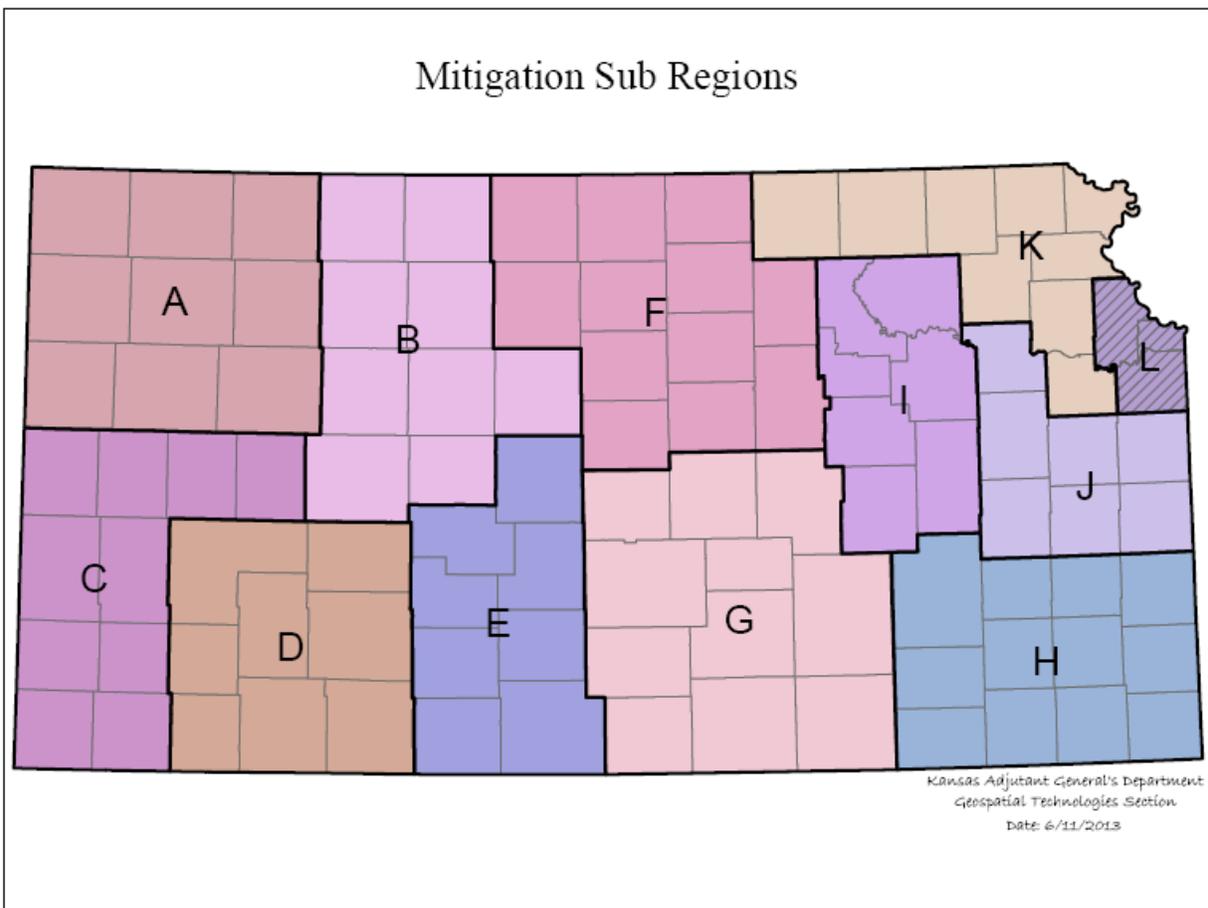
In addition to working with FEMA in all aspects of Section 404 hazard mitigation assistance projects and plans, KDEM administers the Public Assistance Section 406 hazard mitigation funding that applies to a damaged facility and to fund additional measures that will enhance a facility's ability to resist similar damage in future events. Information regarding the public assistance program is available on KDEM's website and is updated periodically as requirements change. An annual report by the Commission on Emergency Planning and Response entitled "Managing the Risk" provides details regarding how the Public Assistance Section 406 hazard mitigation funding was utilized in Kansas. In the 2012 report, as of January 2013, a total of \$548,929,220 had been obligated for Presidentially declared disasters 1741 through 4063. In 2012, KDEM hosted individual training for new Public Assistance cadre members which utilized actual Kansas disaster scenarios and practical field experience to strengthen critical skills for future deployment. The Public Assistance cadre mobilizes for various lengths of time during disaster operations.

2.3.1. Integration with Local Plans

KDEM is the primary state coordinating agency for all local emergency operation plans and hazard mitigation plans. The division has the primary responsibility of working with local governments in developing, reviewing, and updating local hazard mitigation plans. As of May 2013, 104 out of 105 Kansas counties have a approved multi-jurisdictional hazard mitigation plan that meets the requirements of both the Disaster Mitigation Action of 2000 and the National Flood Insurance Program's Community Rating System program. Wallace County, the only county without an approved plan, is in the process of completing their plan.

This plan outlines the State's new strategy for implementing regional hazard mitigation plans for future plan updates. This new strategy is described in Chapter 5 Coordination of Local Mitigation Planning. This plan complements the regional hazard mitigation planning concept. Where data is presented by county, the Mitigation Planning Region is indicated. This organization was done to facilitate use of data within regional plans and provide a baseline reference for planners to use in completing regional hazard mitigation plans. The twelve Kansas Mitigation Planning Regions can be viewed in **Figure 2.5**.

Figure 2.5. Kansas Mitigation Planning Regions



2.3.2. Challenges in Integration

This 2013 update reflects the integration of 99 percent of the county-level plans (Wallace County is the only county not included). All of these plans are multi-jurisdictional county-level plans, which allows for there to be a manageable number of plans (104) that needed to be reviewed and integrated. This is a huge accomplishment from the 2010 plan update, when less than 50 percent of the county-level plans were completed.

KDEM has developed the State of Kansas Planning System database that is in the process of integrating and housing all local emergency management planning efforts. Pertinent information from all FEMA-approved local plans will be entered into the database. This will allow KDEM to have the local/regional plan goals, objectives, and mitigation action items readily available for examination.

A significant challenge to plan integration is the inconsistency of methodologies used to develop plans, specifically in regard to hazard identification and vulnerability assessment. Coordination of the regional planning process allows for a consistent methodology to be utilized for risk assessments. The methodology being employed is the same as the methodology utilized for the State Hazard Mitigation Plan. Once the regional plans are completed, the database will allow KDEM to conduct a comprehensive analysis of those areas with unique and varied risk.