Risk MAP continues to be a key element for FEMA to achieve its strategic priorities.

Enable disaster risk reduction nationally

Objective 4.1 Provide Credible and Actionable Data and Tools to Support Risk-Informed Decision-Making

Through collaboration with State, Local, and Tribal entities, Risk MAP will deliver quality data that increases public awareness and leads to action that reduces risk to life and property.
2016 Mapping Priorities

- New, Validated, and Updated Engineering
- Increase LiDAR purchases
- Increase assessment of flood hazard miles
- Modernize paper map inventory
- Large scale automated engineering
- NFIP reform & TMAC recommendations
Coastal Inventory – Schedule of Preliminary FIRMs

Schedule of Coastal Counties Receiving Updated Mapping Data as of July 2016

Updated mapping data consist of both preliminary Flood Insurance Rate Maps (FIRMs) and other non-regulatory products delivered to the county by FEMA. Data are tracked by fiscal year (FY), October through September. Data are updated quarterly and therefore subject to change. For more information, please call 1-877-FEMA MAP (1-877-336-2627), email FEMAMapSpecialist@riskmapcgs.com, or visit https://www.fema.gov/coastal-flood-risks

National Coastal Project Metrics

100% of studies have been initiated
63.1% of studies have gone preliminary
30.4% of studies have gone effective
Mapping and Flood Insurance Reforms

- **Flood insurance reform legislation included several mapping-related provisions:**
  - Biggert-Waters Flood Insurance Reform Act of 2012 (BW-12)
  - Homeowner Flood Insurance Affordability Act of 2014

- **Mapping requirements included:**
  - Enhanced coordination and outreach with communities before and during mapping activities
  - Providing monthly updates to Congress on flood mapping activities
  - Establishing a Technical Mapping Advisory Council
Mapping requirements from legislation

- FEMA has made significant progress implementing the mapping-related provisions of BW-12 and HFIAA

<table>
<thead>
<tr>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Some require ongoing reporting or regulatory cleanup)</td>
</tr>
<tr>
<td>§215 TMAC</td>
</tr>
<tr>
<td>§217 Scope of Appeals</td>
</tr>
<tr>
<td>§218 Scientific Review Panel</td>
</tr>
<tr>
<td>§219 Limitation on state contributions for updating maps</td>
</tr>
<tr>
<td>§220 Budget Crosscut and Interagency Coordination</td>
</tr>
<tr>
<td>§226 Flood Protection Structure Accreditation Task Force</td>
</tr>
<tr>
<td>§229 Local data requirement</td>
</tr>
<tr>
<td>§231 Study and Report on graduated risk</td>
</tr>
<tr>
<td>§19 Flood Protection Systems</td>
</tr>
<tr>
<td>§22 Exemption from fees for certain map change requests</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>In Progress</th>
</tr>
</thead>
<tbody>
<tr>
<td>§216, §27 and §30 National Flood Mapping Program</td>
</tr>
<tr>
<td>§246 and §18 Reimbursement of certain expenses</td>
</tr>
<tr>
<td>§17 Certification</td>
</tr>
</tbody>
</table>
Guidance and Standards

Spring 2016 Cycle

- Standards to implement NFIP Reforms
  - Mapping to reflect for future growth
  - Enhancing outreach and communications
  - Using most accurate elevation data
- Routine Standards Updates
  - Align Regulatory Products
  - Change in Terminology
The Technical Mapping Advisory Council (TMAC)

The TMAC is charged with reviewing the national flood mapping activities authorized under the law and has prepared recommendations to the FEMA Administrator.

Federal Members (4)
- FEMA Administrator, or designee
- Secretary of Interior, or designees
- Secretary of Agriculture, or designee
- Undersecretary of Commerce of Oceans and Atmosphere, or designee

FEMA Administrator’s appointed members (16) from the following professional organizations:
- Surveying
- Mapping
- Engineering
- Flood Determination
- United States Geological Survey
- State geographic information
- Corps of Engineers
- Storm water management
- 2 State Cooperating Technical Partners
- 2 Local Cooperating Technical Partners
- Floodplain Management
- Risk Management
- State Mitigation Officer
The TMAC’s 2015 Annual Report includes 22 recommendations.

- Credible Flood Data
- Digital Delivery and Inventory
- Customer Oriented Products
The 2015 Future Conditions Report includes 7 overarching recommendations...
TMAC reviewed the national flood mapping program

- TMAC reviewed the flood mapping program to inform the Administrator as he considers certification of the mapping program in accordance with HFIAA Section 17

- Structure, Process, Outputs, Quality Management, and Metrics review

- Includes 14 recommendations

TMAC finds the National Flood Mapping Program, when applied as designed, supplies technically credible flood hazard data in areas where Flood Insurance Rate Maps are prepared or updated.
Looking Ahead

- TMAC Reports and Recommendations
- Policyholder Customer Experience (risk rating redesign, communicating map changes)
- Community Customer Experience
- Transforming National Flood Insurance
Our organization is focused on helping communities to change their risk profile

- UNDERSTANDING RISK
- MITIGATING RISK
- INSURING AGAINST RISK
## Risk MAP Program Measures

<table>
<thead>
<tr>
<th>Deployment</th>
<th>New, Validated, and/or Updated Engineering</th>
<th>Awareness</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>The percentage of population where Risk MAP is being deployed</td>
<td>Number of mapped miles that meet engineering standards</td>
<td>Percentage of local officials in Risk MAP communities who are aware of the flood risk affecting their community after engagement with Risk MAP</td>
<td>The total number of communities where Risk MAP processes have helped advance one or more mitigation actions.</td>
</tr>
<tr>
<td>FY16 Target: 61.1%</td>
<td>FY16 Target: 53.2%</td>
<td>FY16 Target: 70%</td>
<td>FY16 Target: 200</td>
</tr>
</tbody>
</table>
The recommendations vary significantly in estimated level of effort and required resources for implementation.

Some recommendations are addressable via standard operations, such as the guidance and standards maintenance update, and others will require transformative change.

The recommendations helped inform the 2016 Mapping Priorities.

### 2016 Mapping Priorities

- **New, Validated, and Updated Engineering**
- **Increase LiDAR purchases**
- **Increase assessment of flood hazard miles**
- **Modernize paper map inventory**
- **Large scale automated engineering**