

# SCIENTIFIC RESOLUTION PANELS

The Federal Emergency Management Agency (FEMA), through its flood hazard mapping program, Risk MAP (Risk Mapping, Assessment, and Planning), identifies flood hazards, assesses flood risks, and partners with states, tribes and local communities to provide accurate flood hazard and risk data to guide them in taking effective mitigation actions. The resulting National Flood Insurance Program (NFIP) maps provide the basis for community floodplain management regulations and flood insurance requirements.

## What is a Scientific Resolution Panel?

FEMA's Scientific Resolution Panel (SRP) process reinforces FEMA's commitment to work with communities to ensure the flood hazard data depicted on Flood Insurance Rate Maps (FIRMs) are developed collaboratively, using the best science available.

Flood hazards are constantly changing, and FEMA updates FIRMs through several methods to reflect those changes. When proposed changes to a FIRM are met with conflicting technical and/or scientific data during a regulatory appeal period, an independent third-party review of the information may be appropriate. An SRP serves as an independent third party.

The SRP process benefits both FEMA and the community:

- ▶ It offers a neutral review process by independent third parties.
- ▶ It confirms FEMA's commitment to using the best science for the purpose of accurately depicting flood hazards on flood maps.
- ▶ It provides an additional opportunity for resolving community appeals involving conflicting technical and/or scientific data.

While FEMA had previously established an SRP process, the Biggert-Waters Flood Insurance Reform Act of 2012 formally established a statutory SRP process. The *Appeal and Comment Processing Guidance for Flood Risk Analysis and Mapping*, which incorporates the legislative requirements for the SRP, is available at [www.fema.gov/guidelines-and-standards-flood-risk-analysis-and-mapping](http://www.fema.gov/guidelines-and-standards-flood-risk-analysis-and-mapping).

### For Additional Information

For more information on appeals, see the FEMA document *Appeals, Revisions, and Amendments to National Flood Insurance Program Maps: A Guide for Community Officials* at [www.fema.gov/media-library/assets/documents/17930](http://www.fema.gov/media-library/assets/documents/17930)

Part 67 of the NFIP regulations, which pertains to appeals, is available at <http://www.fema.gov/guidance-documents-other-published-resources>

FEMA's Guidelines and Standards for Flood Risk Analysis and Mapping webpage includes the *Appeal and Comment Processing Guidance for Flood Risk Analysis and Mapping*: [www.fema.gov/guidelines-and-standards-flood-risk-analysis-and-mapping](http://www.fema.gov/guidelines-and-standards-flood-risk-analysis-and-mapping)

Templates and Other Resources:

[www.fema.gov/media-library/assets/documents/32786?id=7577](http://www.fema.gov/media-library/assets/documents/32786?id=7577)

### Other Important Links:

- NIBS Scientific Review Panel website: [www.floodsrp.org/](http://www.floodsrp.org/)
- Risk MAP: [www.fema.gov/risk-mapping-assessment-and-planning-risk-map](http://www.fema.gov/risk-mapping-assessment-and-planning-risk-map)
- Information on Recent and Upcoming Map Changes: [www.fema.gov/status-map-change-requests](http://www.fema.gov/status-map-change-requests)
- Flood Insurance: [www.floodsmart.gov](http://www.floodsmart.gov)

## RISK MAPPING, ASSESSMENT, AND PLANNING PROGRAM (RISK MAP)

The Federal Emergency Management Agency's Risk MAP Program delivers quality data that increases public awareness and leads to action to reduce risk to life and property. Risk MAP is a nationwide program that works in collaboration with states, tribes, and local communities using best available science, rigorously vetted standards, and expert analysis to identify risk and promote mitigation action, resulting in safer, more resilient communities.

## Who Can Request an SRP?

A community, tribe, or other political entity with the authority to adopt and enforce floodplain ordinances for the area under its jurisdiction can request that FEMA use an SRP when conflicting technical and/or scientific data have been presented. For additional information, review the *Appeal and Comment Processing Guidance for Flood Risk Analysis and Mapping* at [www.fema.gov/guidelines-and-standards-flood-risk-analysis-and-mapping](http://www.fema.gov/guidelines-and-standards-flood-risk-analysis-and-mapping).

## When Can Communities Request an SRP?

A community can request an SRP if the following requirements have been met:

- ▶ It has not yet received a Letter of Final Determination (LFD) from FEMA.
- ▶ Conflicting technical and/or scientific data, submitted during the 90-day appeal period, resulted in different flood hazards than those proposed by FEMA.
- ▶ At least 60 days of community consultation with FEMA (but no more than 120 days) have taken place.

Additionally, a community that receives a FEMA-issued resolution letter and has not previously exercised the SRP process will have 30 days from the issuance of the letter to request an SRP.

## Independent Panel Sponsor

The SRP process is managed by the National Institute for Building Sciences (NIBS), a non-profit organization independent of FEMA. NIBS will administer the SRPs, ensuring that proper guidelines and procedures are employed and maintaining a cadre of experts from which panel members are selected.

## Panel Member Selection

Five panelists are convened for each appeal brought to the SRP request. Panel members are technical experts in surface water hydrology, hydraulics, coastal engineering, and other engineering and scientific fields that relate to the creation of FIRMs and Flood Insurance Studies (FIS) throughout the United States.

Based on the technical challenges associated with each request, NIBS develops a list of potential members with relevant expertise, from its cadre of experts. NIBS also checks that those listed are available to serve, do not reside in the state from which the appeal or data were filed, and have no personal or professional interest in its findings for the flood risk project.

NIBS provides the list to the community and FEMA to select the panel members. The community selects at least the simple majority (three), and FEMA selects the remaining panel members from the short list of cadre members, based on the technical challenges of the appeal or data submittal.

## The Process

To request a review by an SRP, the community's Chief Executive Officer or designee completes an SRP Request Form and submits it to FEMA during the time periods outlined above. Once FEMA confirms that the situation and the conflicting technical and/or scientific data are eligible for an SRP, it forwards the SRP Request Form to NIBS, which will initiate the panel selection process and develop a list of potential members.

Once the panel is convened, panel members are provided with a summary of the issue, FEMA's data, and the data the community submitted during the 90-day appeal period. Panel members review the data and, on a point-by-point basis, deliberate and make a decision based on the scientific and/or technical challenges.

If the community feels it is necessary to make an oral presentation in support of its request, it must include a justification on the SRP Request Form.

## Resolution

The panel must present its written report to the community and FEMA within 90 days of being convened, and that report will be used by the FEMA Administrator for making the final determination. A panel determination must be in favor of either FEMA or the community on each distinct element of the dispute, and the panel may not offer any alternative determination as a resolution. In the case of a dispute submitted by the community on behalf of an owner or lessee of real property in the community, the panel determination must be in favor of either FEMA, the community, or the owner/lessee on each distinct element of the dispute.

If changes to the maps are recommended in the panel's determination, and FEMA elects to implement the panel's determination, FEMA will incorporate the changes into a revised Preliminary FIRM and, if appropriate, FIS report. The revised products will be available to the community for review, with a resolution letter, before FEMA issues an LFD.

Once the SRP provides its determination and FEMA issues its resolution letter to implement the recommendations, the SRP recommendations are binding on all appellants and not subject to judicial review.

If the FEMA Administrator elects not to accept the panel's findings, the Administrator will issue a written justification within 60 days of receiving the report from the SRP. Under these circumstances, the appellants maintain their right to appeal FEMA's final determination to the appropriate Federal District Court.

Figure 1: SRP Timeline

