



FEMA

# MIP DVT and MIP Metadata Validation Update

Briefing Slide Deck  
4/17/2014

**RiskMAP**  
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# The Important Details

- This update is planned to deploy on May 2<sup>nd</sup>
- What is affected:
  - DFIRM Verification Tool (DVT)
  - The MIP metadata validation process

# Scope of Changes to DVT

- Update DVT to verify FIRM databases submitted to the MIP in the 2013, 2011, and 2003 schemata
- Update the validation logic for the 2003 schema to reduce the need for DVT bypass requests
- For "Develop DFIRM Database," "Produce Preliminary Map Products," and "Produce Final Map Products" activities, allow MIP users to select their DVT schema version

# New Dropdowns

## Updated FIRM Database Submission Screen

### Submission Status - last updated 03/14/2014

DFIRM verification is initiated when the user clicks Validate Contents button. For efficiency in QA processing, do not click the Validate Contents button until you have assembled and uploaded the entire submission package.

The DFIRM DB QA review process automatically begins when the Metadata validation has passed successfully.

FIRM DB Schema  

<b>Metadata Profile Validation</b>	Validation Required	<input type="button" value="Update Status"/>	<input type="button" value="Validate Contents"/>
<b>DFIRM DB QA Validation</b>	Validation Required		

# New Dropdowns

## Updated FIRM Database Submission Screen

### Perform DFIRM DB QA Test Submission

Enter the FEMA Study Case Number, Community ID, and FIRM DB Schema and click "Continue" to choose a file to be uploaded for test submission.

\* indicates a required field.

#### Project Information

* FEMA Study Case Number:	<input type="text"/>
* Community ID:	<input type="text"/>
* FIRM DB Schema:	<input type="text"/> 2003 FIRM Database Schema 2011 FIRM Database Schema 2013 FIRM Database Schema

[Continue >](#)

# DVT Check Logic

	2003 Schema	2011 Schema	2013 Schema
# of QC Checks	95	105	109
Spatial Checks	✓	✓	✓
Data Integrity Checks	✓	✓	✓
Basic Schema Agreement Checks	✓	✓	✓
Attribute Checks	✓	✓	✓
Topology Checks	✓	✓	✓
Management Check		✓	✓

**Changes to 2003 Schema Check Logic:** Three validation checks will be removed, seven “warning” checks will become “error” checks, four checks will be modified, and ten new checks will be added. You can view the details for the 2003, 2011, and 2013 checks in the DVT Rule Set document on [MIP User Care](#).

# Management Check

- Management Check will be used to confirm data updates match project scope
- Example:
  - Producers required to start with NFHL data
  - NFHL data does not have all required fields populated
  - Management check will flag flood sources that were not updated fully to meet new schema requirements

# DVT FAQs

- Will the DVT Test Submission tool still be available after the release?
  - Yes
- Does the new DVT accept shapefiles or geodatabase?
  - DVT will continue to check only shapefiles
- What do you do about projects still using the 2003 FIRM Database schema?
  - You should continue using the same 2003 schema
- Are the 2013 standards the latest FEMA guidelines and are they draft or final?
  - The 2013 FIRM Database and Domain Tables Technical References were finalized in August, 2013
- Does DVT validate the Version ID values in the database?
  - No. DVT does not validate the value you enter for the Version ID



# Scope of Changes to Metadata Validation Process

- The release updates metadata validation in MIP activities and the Citrix Metadata Manager (Metaman) to use the 2006 and 2013 FEMA National Flood Insurance Program (NFIP) metadata profiles. The MIP will automatically determine which metadata profile to validate against for the following activities:
  - Alluvial Fan
  - Basemap
  - Coastal Study
  - Floodplain Mapping
  - Hydraulics
  - Hydrology
  - Survey
  - Terrain

# Scope of Changes to Metadata Validation Process

- The MIP will validate the metadata against 2006 or 2013 profiles based on DVT schema selection for the following activities:
  - Develop DFIRM Database
  - Produce Preliminary Map Products
  - Produce Final Map Products

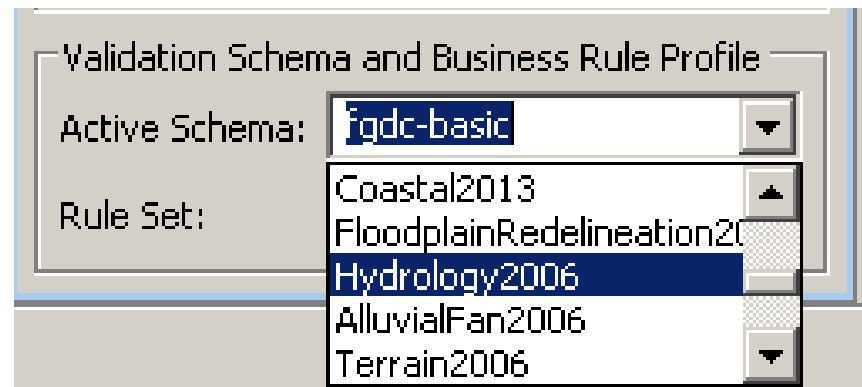
# Using the Right Metadata Profiles

- Use the following table to decide on the appropriate metadata profile. For example, if you are submitting a FIRM database in the 2011 dataset, you will use the 2013 metadata profile

<b>FIRM Database Schema</b>	<b>Metadata Profile</b>
<b>2003</b>	2006
<b>2011</b>	2013
<b>2013</b>	

# Changes to Metadata Manager (Metaman) in Citrix

The metadata validation within MIP activities and the Metadata Manager in Citrix will be updated to accept metadata based on both the 2006 and 2013 profiles. You can see the addition of the 2013 metadata profiles in the following screenshot of the updated tool in Citrix.



# Relevant Links

- [2013 Metadata Profiles and sample XML files](#)
- [2006 Metadata Profiles](#)
- [2003 and 2011 FIRM database schemata – Appendix K & L](#)
- [2011 Domain Tables](#)
- [2013 FIRM Database schema \(Technical Reference\)](#)
- [2013 Domain Tables \(Technical Reference\)](#)
- [Frequently Asked Questions](#)
- [Summary of Changes to Metadata Profiles 2006 to 2013](#)
- [DVT Rule Set](#)
- [Guidance and Tips](#)
- [MIP User Care Page](#)
- [Knowledge Sharing Site \(KSS\)](#) – You will need to login with your Risk MAP Portal account. If you don't have an account or forgot your username or password email [spadmin@riskmapcds.com](mailto:spadmin@riskmapcds.com)