

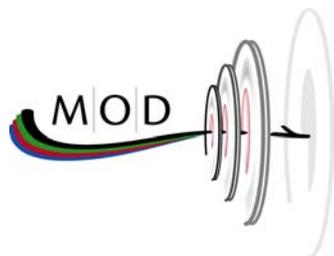
# Geospatial Data Coordination

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# Appendix A

Version 1.1

June 2006





## Document History

### Document Location

<b>Location</b>
<b>File Path:</b> <a href="https://www.mapmodteam.com/Deliverables/DM/Delivered/Forms/Year%203.aspx">https://www.mapmodteam.com/Deliverables/DM/Delivered/Forms/Year%203.aspx</a>

### Revision History

Version Number	Version Date	Summary of Changes	Team/Author
Draft 1.0	January 10, 2006		JT, XL, DL/SB, XL
Draft 1.1	March 10, 2006		JT, XL, DL/SB, XL
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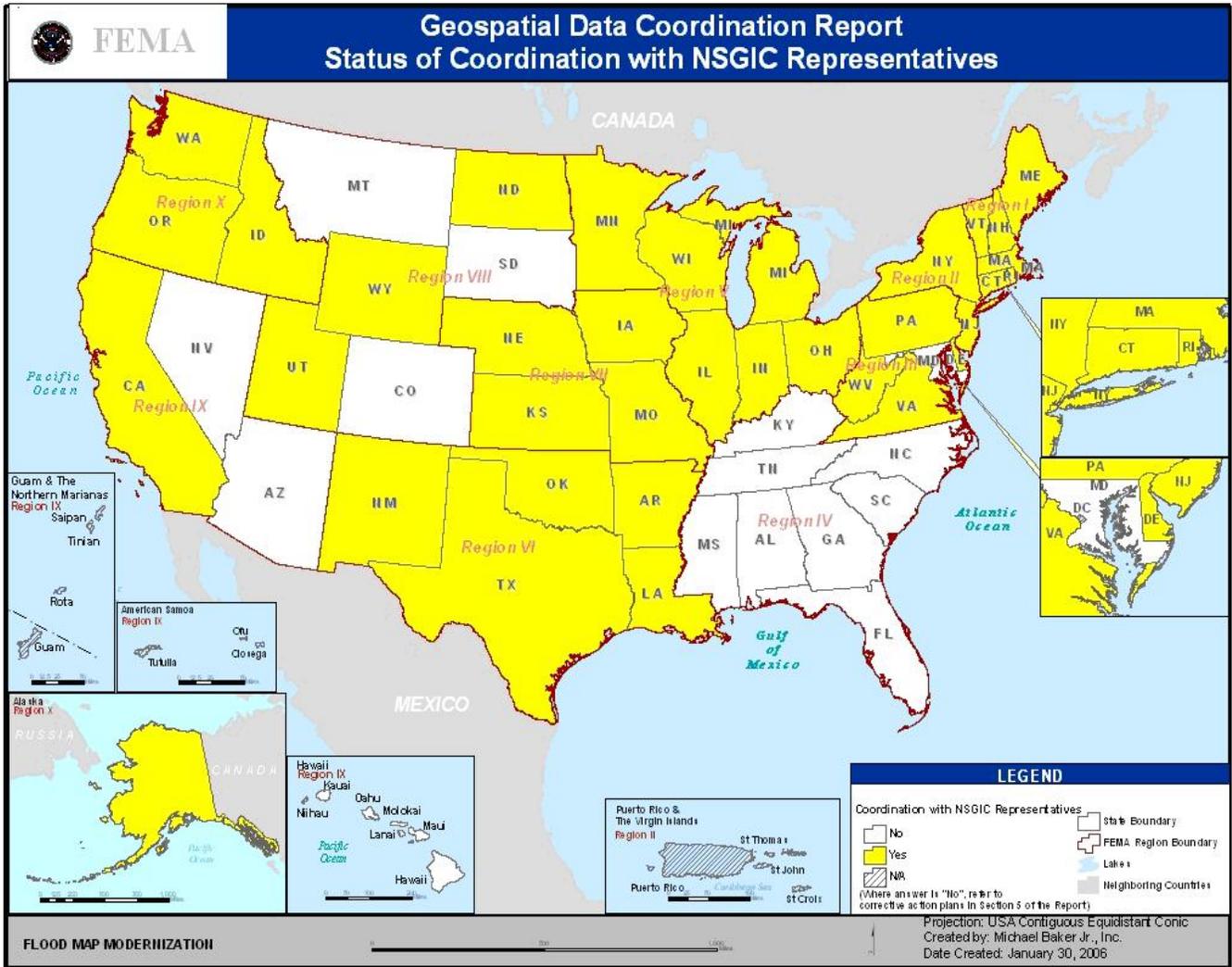
## 1. Introduction

This report tracks the current status of the following aspects of the Geospatial Data Coordination effort:

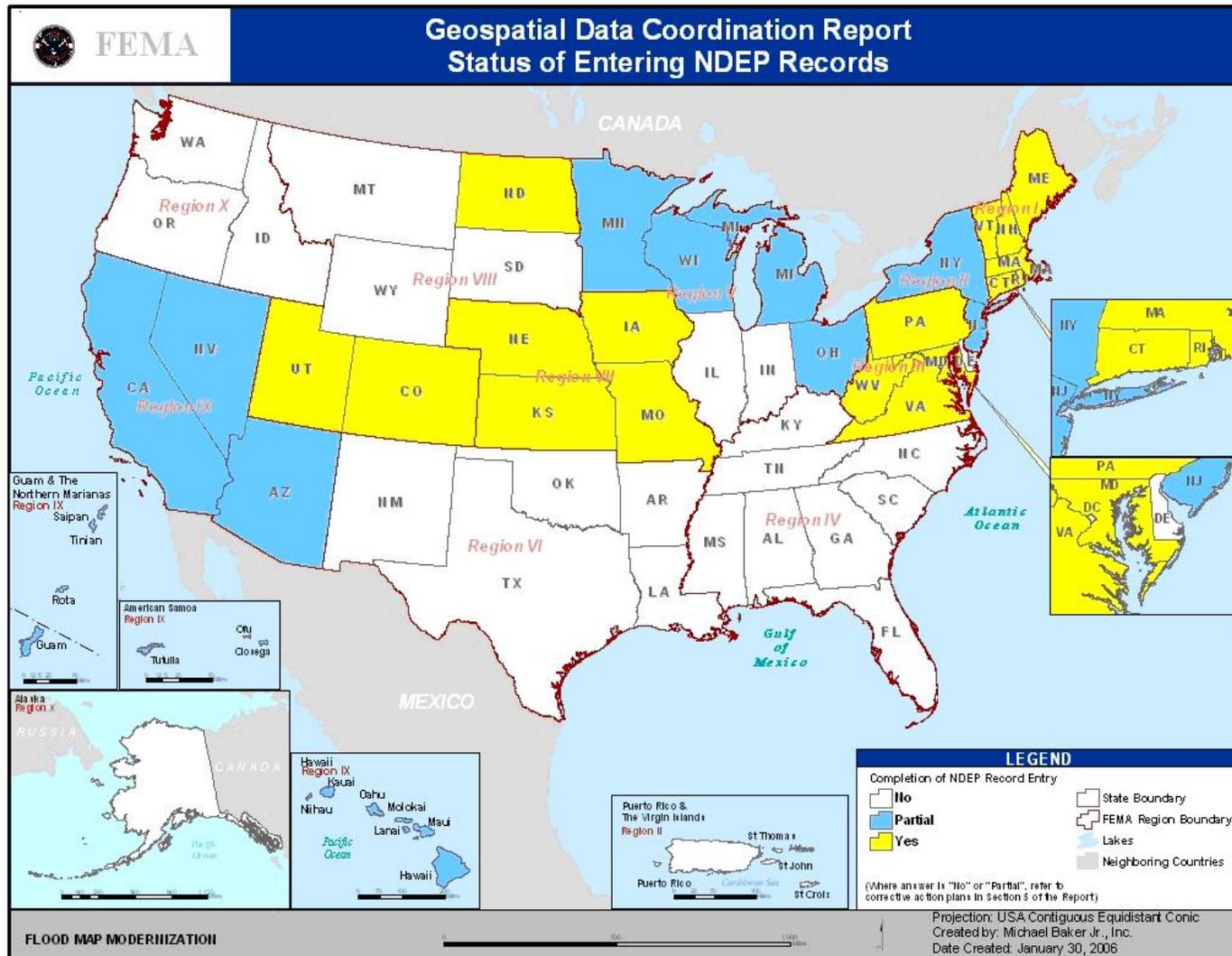
- Status of coordination between each Federal Emergency Management Agency (FEMA) Regional Management Center (RMC) and the National States Geographic Information Council (NSGIC) representative of each State. Under the Geospatial Data Coordination effort, each RMC is expected to develop working relationships with the NSGIC representatives of States in its region. Through this coordination, the NSGIC representatives would help the RMC identify existing and potential data resources at the local, regional, and/or State levels.
- Status of updating the Geospatial Data Coordination Procedure (State Standard Operation Procedures (SOP)) for each State. Using the results of the National States Geographic Information Council (NSGIC) State survey and the template provided to each RMC, a State specific Geospatial Data Coordination Procedure (GDGP) for each State has been developed. The coordination procedures document provides geospatial data contacts and resources to help FEMA's mapping partners coordinate, access, and utilize the most up-to-date information on the current status of data holdings and future projects for Digital Flood Insurance Rate Maps (DFIRM) in the respective State.
- Status of project entry into the National Data Elevation Program (NDEP) and the National Digital Orthophoto Program (NDOP) project tracker. The NDEP/NDOP project tracker is a metadata catalog with a query and map interface that allows user to find planned data collection projects in their area of interest. The intent is to facilitate data sharing and cost sharing for elevation and imagery data. The National Data Elevation Program (NDEP) is a multi-agency program that was established to promote the exchange of accurate digital elevation data among government, private, and non-profit sectors, and the academic community. The National Digital Orthophoto Program (NDOP) is a consortium of federal agencies with the purpose of developing and maintaining national orthoimagery coverage in the public domain by establishing partnerships with Federal, State, local, tribal, and private organizations.



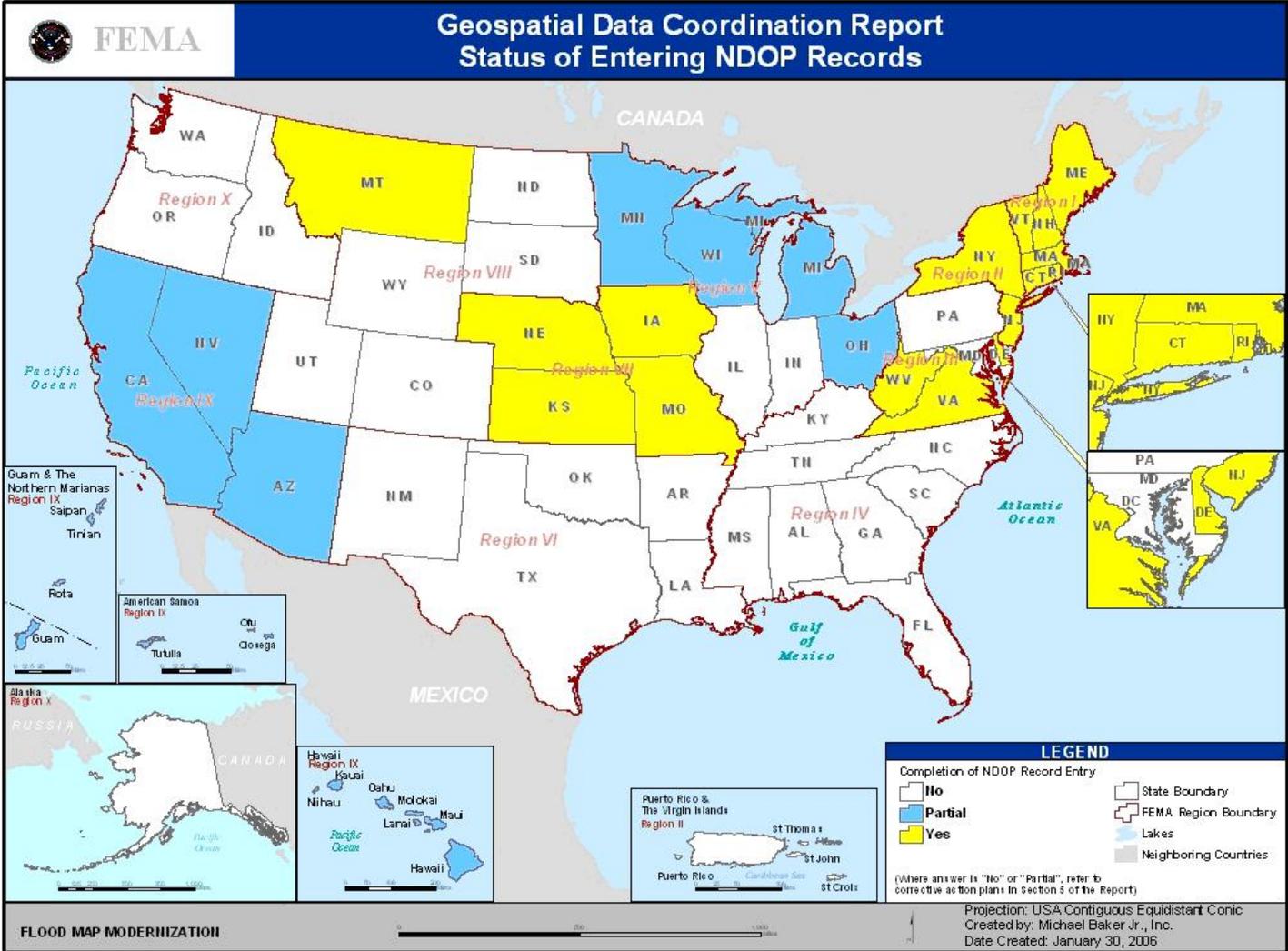
## 2. Status of NSGIC Coordination Map



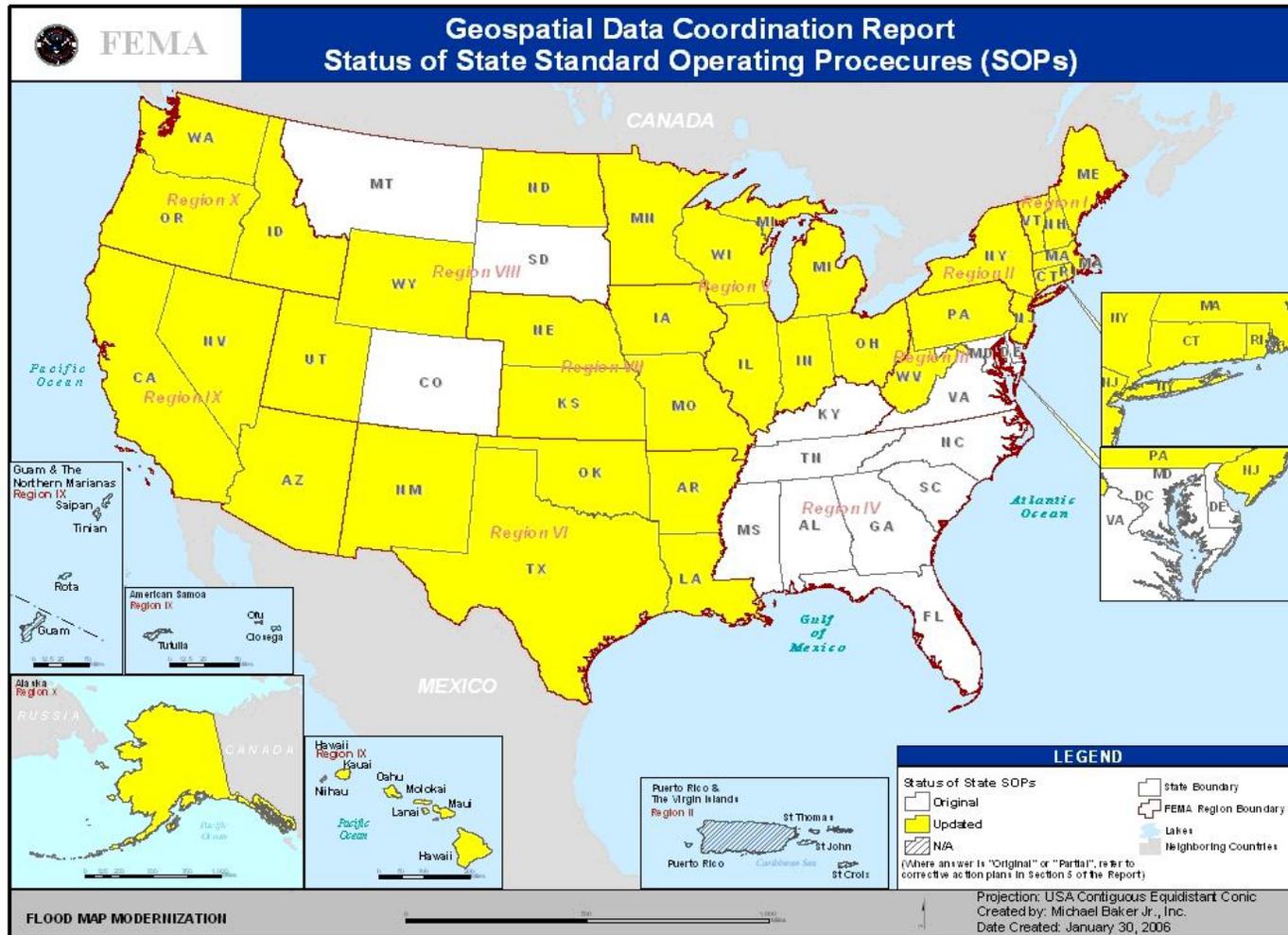
## 3. Status of NDEP Data Entry Map



### 4. Status of NDOP Data Entry Map



## 5. Status of State Geographic Data Coordination Procedures (State SOP's) Update Map



# 6.0 Region Specific Issues, Comments, and Corrective Actions

## 6.1 Region 1

RMC I has not reported problems with any of its coordination efforts. The RMC is actively working with its NSGIC representatives to keep their State SOP documents up to date or to update those which have not yet been addressed.

## 6.2 Region 2

RMC II has reported a problem with the NDEP project tracker which prevents them from recording all of the elevation data that has been found for use on the projects in their Region. The National Service Provider (NSP) headquarters team will be working with the RMC to clearly define the problem and either fix the current NDEP site, or incorporate the fix into the effort currently underway to upgrade the functionality of the NDEP project tracker.

## 6.3 Region 3

RMC III is actively pursuing remaining NSGIC representatives for States they have not yet established a working relationship with, and have been working with the other NSGIC representatives on their State SOP updates. The RMC has been regularly adding records to the NDEP/NDOP project tracker, but have experienced problems with lack of information for creating a record and uncooperative mapping partners. The RMC will continue to pursue the necessary information for recording the elevation and imagery in their Region.

## 6.4 Region 4

RMC IV has gaps in NSGIC coordination and recording data in the NDEP/NDOP project tracker. The RMC had a miscommunication between study managers and GIS managers on who would be performing the NSGIC coordination. The RMC has corrected that misunderstanding and begin contacting NSGIC representatives immediately.

The RMC's gap on NDEP/NDOP reporting is due to not assigning the work to a resource. The RMC's proposed corrective actions for closing this gap are:

1. Assign staff to perform the work.
2. Establish plan to correct all gaps by end of next quarter
3. Enforce established requirements for capturing appropriate information about geospatial data sets in pre-scoping and scoping documents.

The NSP headquarters staff will work closely with RMC IV to help them meet their goal of correcting all gaps by the end of the next reporting cycle.

### 6.5 Region 5

RMC V has had several different issues associated with documenting the elevation and imagery for their projects in the NDEP/NDOP project tracker. There was a large number of studies to attempt to document (126), the scoping documents for those studies did not usually contain the information they needed for the metadata record, supplying the necessary information to the RMC has not been a priority of the mapping partners, and response to the hurricanes in 2005 pulled resources from this activity to support the Regional office.

The RMC's proposed corrective actions are:

1. Work with the Region to underscore the importance of collecting this information from the mapping partners.
2. Work with the Region to ensure the appropriate information is collected at the scoping meetings in Fiscal Year 2006 that the RMC does not attend.

The NSP headquarters team will also work with the RMC on how to identify projects that might have enough information to enter a partial record into NDEP and NDOP.

### 6.6 Region 6

RMC VI reports that the gaps in their documentation of and reporting of the data in their Region are due to resource issues and incomplete information on the data sets that have been identified.

The RMC's proposed corrective actions are:

1. Set deadline of April 28, 2006, to aggregate all available information on Orthophotography and update Geographic Data Coordination (GDC) spreadsheet.
2. Set deadline of April 28, 2006, to identify where and how to obtain metadata/information needed to update NDEP and NDOP.
3. Set deadline of May 19, 2006, to enter Orthophotography data into NDOP.
4. Set deadline of June 30, 2006, to have all terrain information entered into NDEP.
5. Set deadline of April 21, 2006, to assess projected GIS work to be performed at Region VI and identify if further staff is needed to ensure GDC tasks are completed.

The NSP headquarters staff will monitor the RMC's corrective action schedule, and answer questions as they come up.

### 6.7 Region 7

RMC VII has not reported any problems with geospatial coordination; they are very active in the Region's geospatial activities. The gap in reporting imagery data for the Region is due to a communication problem. There was some confusion on what to report. The NSP headquarters team will resolve the confusion and work with the RMC to fill that gap in time for the next report cycle.

### 6.8 Region 8

RMC VIII reports that their gap in reporting the elevation and imagery data available in their Region is the result of miscommunication. The RMC was under the impression that they were to only document countywide data sets since they were asked them to report at the county level. This misunderstanding has been corrected and the RMC has begun filling out the reporting template with the required information. This data will be included in the next reporting cycle.

The explanation for their NSGIC coordination gap is that they have been actively pursuing working relationships with all of their NSGIC representatives, but have not yet been able to establish contact with several of them. All of their State SOP's have been updated either by simply cleaning them up to make them more readable, or by updating the information in them in conjunction with their NSGIC representatives. The RMC will continue their attempts at building working relationships with the NSGIC representatives they have not yet been able to reach.

The RMC's gap in their NDEP/NDOP reporting is a lack of information for documenting several of the projects in their Region. The information is not in the scoping documents and has not yet been provided by the partners. The RMC is going to work with the Region on stressing to the partners the importance to FEMA of documenting this information.

### 6.9 Region 9

RMC IX has gaps in NSGIC coordination and NDEP/NDOP reporting. The gap in NSGIC coordination has been due to resource, a self imposed delay on coordination with the State of Nevada (NV) due to very little FEMA work being performed in that State, and a self imposed delay on coordination with the State of Hawaii (HI) because Hawaii's DFIRMs typically use government-licensed imagery purchased from Digital Globe.

The RMC's gaps in NDEP/NDOP reporting are due to lack of information required to complete the records. The RMC has been unsuccessful at acquiring the necessary information from the partners in their Region.

The RMC's corrective actions are:

1. RMC has sent the AZ SOP to the AZ NSGIC representative for review and have contacted him about meeting in person at the CalGIS conference.

2. For the NV and HI NSGIC reps, they plan to have a conference call with them during the weeks of April 10 or April 17, 2006, depending on their availability.
3. The RMC has hired additional staff that will allow them to appropriately pursue all of the geospatial coordination gaps.

### 6.10 Region 10

RMC 10's gap in recording data in the NDEP/NDOP project tracker is because they are awaiting response from one partner. Their plan was to enter all of the data in one effort after the final response was received. They anticipate hearing from that partner in mid-April. Their understanding was that the data did not need to be online until September of this year. The NSP headquarters team has cleared up this misunderstanding. The RMC will start entering records prior to receiving final correspondence from their mapping partner.

### 6.11 NSP Headquarters

The NSP headquarters staff will hold a monthly conference call with each RMC to track the status of the corrective actions and to address their questions to prevent long term mis-communication issues.