

REV. 5 QUALITY MANAGEMENT

PROCEDURCES FOR DOE

FILE FOLDER#102.7

MANAGEMENT PROCEDURES MANUAL

CHAPTER 1 - ORGANIZATION

SECTION 1 - ORGANIZATION PROCEDURE

1. **PURPOSE.** This Quality Management Procedure (QMP) describes the organizational structure, functional responsibilities, levels of authority, and lines of communication for Yucca Mountain Project (YMP) - U.S. Geological Survey (USGS) activities affecting quality; and establishes the independent reporting structure for Quality Assurance (QA) responsibilities.
2. **SCOPE OF COMPLIANCE.** This procedure is applicable to the organizations and personnel directly responsible for establishing and executing work assignments supporting YMP-USGS activities that affect quality. Work performed under previous versions of this QMP are not impacted by this revision.
3. **DEFINITIONS.**
 - 3.1 **Principal Investigator:** Principal Investigators are identified as summary account managers in the YMP-USGS Planning and Control System (PACS).
4. **RESPONSIBILITIES.**
 - 4.1 **Assistant Director for Engineering Geology:** The Director of the U.S. Geological Survey has the overall responsibility for management of the USGS commitment to the YMP (Attachment 1). The authority for the Director's oversight is delegated by the Director to the Assistant Director for Engineering Geology. Included in this authority is responsibility for the QA Program associated with the YMP. Conflicts or disputes involving quality arising from a difference of opinion between QA personnel and others that cannot be resolved by the YMP-USGS QA Manager, shall be referred to the Assistant Director for Engineering Geology for final resolution as appropriate (see Organization Chart, Attachment 1). As part of the resolution of differences of opinion involving QA requirements, the Assistant Director for Engineering Geology may consult with the Director, Office of Quality Assurance Division, Civilian Radioactive Waste Management, U.S. Department of Energy (DOE).
 - 4.2 **YMP-USGS Quality Assurance (QA) Manager:** The YMP-USGS QA Program is directed by the YMP-USGS QA Manager who reports functionally to the Assistant Director for Engineering Geology. The YMP-USGS QA Manager interfaces with project personnel on QA matters as necessary and is independent of cost and schedule. To resolve any conflicts or disputes involving QA matters, the YMP-USGS QA Manager will work with the Chief, YMPB. If necessary, unresolved issues will be referred for resolution to the Assistant Director for Engineering Geology. The YMP-USGS QA Manager will not have any responsibilities unrelated to quality assurance that would prevent full attention to quality assurance matters. As required, the YMP-USGS QA Manager has authority to delegate, in writing, signature authority to qualified YMP-USGS personnel. The basic responsibilities of the overall QA task are to ensure that all YMP-USGS activities are conducted in accordance with quality requirements as specified by the DOE/OCRWM Project Quality Assurance Require-

ments and Description (QARD) and the YMP-USGS QMPs. In this capacity, the QA responsibilities of the YMP-USGS QA Manager include:

- a) Serving as a focal point in developing, reviewing, and approving the YMP-USGS QA Program implementing documents to assure they meet USGS and DOE QA requirements;
- b) Being responsible for interpreting and approving QA Program requirements as they apply to YMP-USGS activities;
- c) Maintaining liaison with Yucca Mountain Project Site Characterization Office (YMPO) management to assure adequate compliance with the YMP QA Program;
- d) Providing and directing all support for the QA Office activities for the YMP-USGS;
- e) Identifying quality problems, initiating, recommending, or providing solutions to quality problems, and verifying solutions to quality problems;
- f) Being responsible for verifying the proper establishment and execution of the QA Program; and
- g) Assuring unsatisfactory conditions are properly controlled, including stopping work that does not meet YMP-USGS QA requirements.

4.3 Assistant Chief Hydrologist for Program Coordination and Technical Support (ACH/PC&TS): The ACH/PC&TS provides management oversight for the Yucca Mountain Project Branch (YMPB) activities. The ACH/PC&TS approves all QMPs referred by the Chief, YMPB and provides for a periodic assessment regarding the adequacy and effectiveness of the YMP-USGS quality program.

4.4 Chief, Yucca Mountain Project Branch (YMPB): The Chief, YMPB, has management, programmatic and budgetary responsibility for the conduct and quality of YMPB-USGS activities (Attachment 1). The Chief, YMPB, is identified within the YMP as the Technical Project Officer (TPO). Within the USGS, the Chief, YMPB, reports to the ACH/PC&TS, Water Resources Division (WRD) and interfaces with the Principal Investigators through the Chief, Geologic Studies Program (GSP) and the Chief, Hydrologic Investigations Program (HIP) to plan, schedule, and direct all geology, hydrology, and climate tasks. The Chief, YMPB, shall ensure that YMP-USGS technical activities are accomplished in accordance with the quality assurance requirements of the YMP-USGS QA Program. The Chief, YMPB, is responsible for providing and directing all USGS activities in support of the YMP other than those assigned specifically to the YMP-USGS QA Manager. Any conflicts between YMP-USGS QA requirements and Branch programs are referred to the Chief, YMPB if they cannot be resolved by the appropriate YMPB office or Program Chief. The Chief, YMPB, will work with the YMP-USGS QA Manager to resolve the conflicts or disputes. If necessary, unresolved issues will be referred for resolution to the Assistant Chief Hydrologist for PC&TS. The management responsibilities of the Chief, YMPB include, but are not limited to, the following:

- a) Planning and directing work activities;
- b) Implementing quality requirements imposed by quality program documents;
- c) Satisfying staff resource needs, cost, and schedule objectives, and deliverable requirements;
- d) Approving the YMP-USGS QA program implementing procedures;

- e) Implementing the YMP procedures as they apply to the YMP-USGS scope of work;
 - f) Planning and directing the YMP-USGS training program; and
 - g) Initiating agreements with other organizations to document interfaces between them and the YMPB.
- 4.5 **QA Implementation Personnel:** Staff personnel under the direction of the appropriate technical managers assist with implementing the QA Program. As a minimum, a QA Implementation Specialist is assigned to the GSP and HIP, and a QA Implementation Advisor is assigned to the YMPB Office. These personnel are responsible for providing guidance to technical personnel and assisting in the integration of the quality requirements into the technical activities. The QA Implementation Specialists and Advisor are responsible for identifying problems relating to quality and for working with other technical personnel to define and implement solutions to quality problems.
- 4.6 **Science Advisor:** The Science Advisor reports to the Chief, YMPB and advises the Chief and YMP-USGS personnel on the technical quality and future direction of geologic and hydrologic activities. The Science Advisor identifies technical program needs, makes recommendations, and assists in the integration, coordination and development of investigations; and evaluates technical consistency by reviewing project plans, and technical and progress reports.
- 4.7 **Chief, Programs and Plans (PAP):** The Chief, PAP reports to the Chief, YMPB, and maintains responsibility for the oversight of project planning and control activities, and the management of records, data, and reports/publication activities. The Chief, PAP also serves as Associate Branch Chief, YMPB and acts for the Chief, YMPB in his absence.
- 4.8 **Chief, Nevada Operations Program (NOP):** The Chief, NOP reports to the Chief, YMPB and provides day-to-day YMP-USGS representation in Nevada to DOE officials and other participants and interested parties on behalf of the Chief, YMPB. The Chief, NOP develops or directs the development of plans for field activities related to YMP-USGS Site Surface Based Testing and Exploratory Studies Facility programs, and the identification of technical criteria for the DOE YMPO and the Nevada Test Site Office and their on-site support contractors for operational and logistical support (drilling, vehicles, facilities, etc.). The Chief, NOP coordinates, evaluates, and oversees logistical, operational, and environmental/regulatory readiness of planned on-site activities, including DOE contractor support, and directs the YMP-USGS functions related to Systems Engineering.
- 4.9 **Chief, Geologic Studies Program (GSP):** The Chief, GSP, reports to the Chief, YMPB and is responsible for the quality of work performed by personnel assigned to YMP-USGS geologic activities (Attachment 1). The Chief, GSP is responsible for assuring that properly qualified and trained personnel are assigned to conduct GSP quality-affecting tasks. The Chief, GSP shall be responsible for assuring that all GSP participants perform their work in accordance with the appropriate QA implementing documents as required by Project management. Matters concerning quality assurance implementation in the GSP are provided to the Chief, GSP for input and direction.

The Chief, GSP may contract out portions of the technical work for performance by other organizations either internal or external to the USGS. The Chief, GSP will be responsible for implementation of the YMP-USGS QA Program by those organizations.

Any conflicts between YMP-USGS QA requirements and GSP programs are initially referred to the Chief, GSP for resolution.

- 4.10 **Chief, Hydrologic Investigations Program (HIP):** The Chief, HIP, reports to the Chief, YMPB and is responsible for the quality of work performed by personnel assigned to YMP-USGS hydrologic activities (Attachment 1). The Chief, HIP is responsible for assuring that properly qualified and trained personnel are assigned to conduct HIP quality-affecting tasks. The Chief, HIP shall be responsible for assuring that all HIP participants perform their work in accordance with the appropriate QA implementing documents as required by Project management. Matters concerning quality assurance implementation in the HIP are provided to the Chief, HIP for input and direction.

The Chief, HIP may contract out portions of the technical work for performance by other organizations either internal or external to the USGS. The Chief, HIP will be responsible for implementation of the YMP-USGS QA Program by those organizations.

Any conflicts between YMP-USGS QA requirements and HIP programs are initially referred to the Chief, HIP for resolution.

- 4.11 **Principal Investigators and Other Technical Personnel:** Principal Investigators (PIs) are responsible for carrying out assigned YMP-USGS tasks and satisfying all technical and quality requirements including those specified in contracts, purchase documents, or management directives.

PIs have the responsibility to:

- a) Establish the quality standards for their respective YMP-USGS projects/activities in compliance with YMP-USGS QA program requirements;
- b) Assure that technical procedures, or other appropriate documentation methods, are developed and approved for their respective YMP-USGS quality affecting activities;
- c) Assure implementation of quality requirements and continued compliance therewith for their respective YMP-USGS quality affecting activities; and
- d) Assure that YMP-USGS QA program requirements are included in appropriate requests for proposals, bids, contracts, subcontracts, and purchase orders.

- 4.12 **Contractors:** All organizations outside of YMPB and the YMP-USGS QA Office that support the YMP-USGS quality-affecting activities shall comply with the requirements of the YMP-USGS QA program as specified by written agreement. Written agreements shall be used to document interfaces between the outside organizations and the YMPB or the YMP-USGS QA Office.

5. **PROCEDURE.** Not applicable.

6. RECORDS MANAGEMENT.

6.1 Controlled Documents: None.

6.2 Records Center Documents: There are no QA records generated as a result of this procedure.

7. RELATED DOCUMENTS.

7.1 Superseded Documents: This QMP supersedes YMP-USGS-QMP-1.01, R4, Organization Procedure, and Modification QMP-1.01,R4-M2.

7.2 References Cited:

- o DOE/RW-0333P, Quality Assurance Requirements and Description (QARD)

8. ATTACHMENTS.

Attachment 1: Organizational Structure, Yucca Mountain Project - U.S. Geological Survey

9. APPROVALS AND EFFECTIVE DATE.

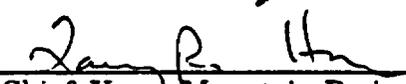
EFFECTIVE DATE: 10/15/93



YMP-USGS Quality Assurance Manager

7/30/93

Date



Chief, Yucca Mountain Project Branch

7/30/93

Date

As of 10/15/93


Assistant Chief Hydrologist for Program Coordination and Technical Support

8/3/93

Date



Assistant Director for Engineering Geology

8/5/93

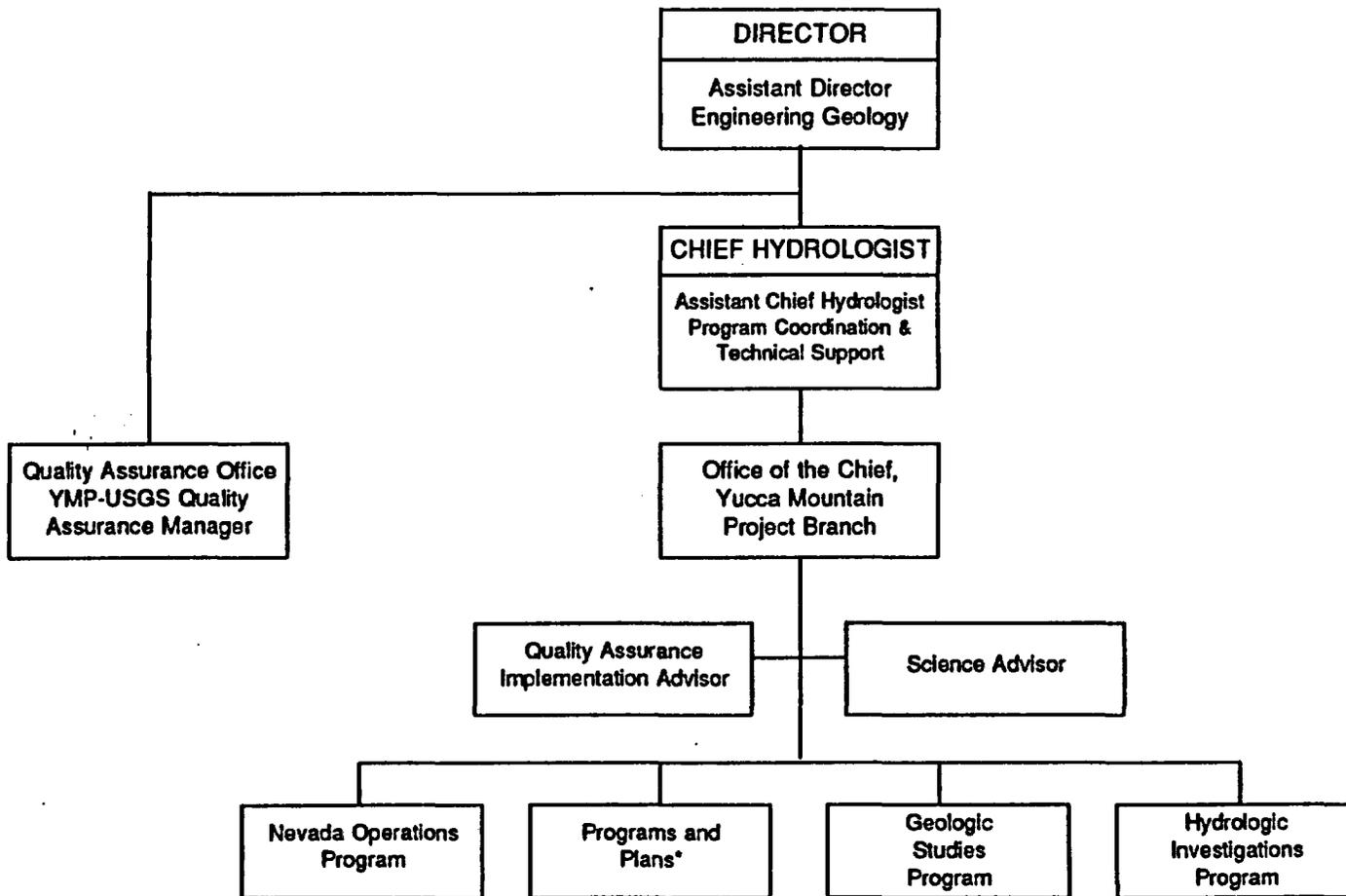
Date

10. REVISION HISTORY.

| <u>Revision No.</u> | <u>Effective Date</u> | <u>Description of Revision</u> |
|---------------------|-----------------------|--------------------------------|
| 0 | 08/24/85 | Initial Issue |
| 1 | 10/27/86 | |
| 2 | 07/28/89 | |

| <u>Revision No.</u> | <u>Effective Date</u> | <u>Description of Revision</u> |
|---------------------|-----------------------|---|
| 3 | 02/05/90 | |
| 4 | 10/15/91 | |
| 5 | | This revision incorporates Modification QMP-1.01,R4-M2, and DOE/RW-0333P (QARD, R0) requirements. |

ORGANIZATIONAL STRUCTURE
Yucca Mountain Project - U.S. Geological Survey
(YMP-USGS)



* Also serves as Associate Branch Chief

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------------------------|---------------------|-----------------------------|-------------|----------------------|-----------------------|-----------------------|
| APPROVAL PAGE | | | | | | |
| | USGS implements by: | USGS | N/A | 0 | | (verified) N/A |
| POLICY STATEMENT | | | | | | |
| | USGS implements by: | USGS | N/A | 0 | | (verified) N/A |
| INTRODUCTION :1p2s | | | | | | |
| | USGS implements by: | USGS | N/A | 0 | | (verified) N/A |
| INTRODUCTION :1p3s | | | | | | |
| | USGS implements by: | USGS | N/A | 0 | | (verified) N/A |
| INTRODUCTION :5p (NOT A REQUIREMENT) | | | | | | |
| | USGS implements by: | USGS | N/A | 0 | | (verified) N/A |
| FIG.ii-1 (NOT A REQUIREMENT) | | | | | | |
| | USGS implements by: | USGS | N/A | 0 | | (verified) N/A |
| 1.2 | | | | | | |
| | USGS implements by: | USGS | QMP-1.01 | 5 | C | (verified) 4. |
| | | | QMP-4.01 | 6 | | Att 1 1. |
| | | | QMP-4.02 | 5 | | 2. 1. |
| | | | QMP-5.03 | 8 | | 2. 1. 2. |
| 1.2.1 | | | | | | |
| | USGS implements by: | USGS | QMP-1.01 | 5 | C | (verified) 4. |
| 1.2.2 :1s | | | | | | |
| | USGS implements by: | USGS | QMP-1.01 | 5 | C | (verified) 4.2 |
| 1.2.2 :2s | | | | | | |
| | USGS implements by: | USGS | QMP-2.02 | 6 | C | (verified) 5.2 :1s |

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| | 1.2.2 :3sA. USGS implements by: | USGS | QMP-1.01 | 5 | C | (verified) 4.2 |
| | 1.2.2 :3sB. USGS implements by: | USGS | QMP-1.01 | 5 | C | (verified) Att 1 |
| | 1.2.2 :3sC. USGS implements by: | USGS | QMP-1.01 | 5 | C | (verified) 4.2 |
| | 1.2.2 :3sD. USGS implements by: | USGS | QMP-1.01 | 5 | C | (verified) 4.2 |
| | 1.2.2 :3sE. USGS implements by: | USGS | QMP-1.01 | 5 | C | (verified) 4.2 :3s |
| | 1.2.2 :3sF. USGS implements by: | USGS | QMP-1.01 | 5 | C | (verified) 4.2 :e) and g) |
| | 1.2.2 :3sG. USGS implements by: | USGS | QMP-1.01 | 5 | C | (verified) 4.2 :a) thru d) |
| | 1.2.2 :3sH. USGS implements by: | USGS | QMP-1.01 | 5 | C | (verified) 4.2 :g) |
| | 1.2.3 :1s USGS implements by: | USGS | QMP-1.01 | 5 | C | (verified) 4.5 4.8 thru 4.12 |
| | 1.2.3 :2s USGS implements by: | USGS | QMP-1.01 | 5 | C | (verified) 4.2 |

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| | 1.2.4 :1s | | | | | |
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| | 1.2.5 | | | | | |
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| | 1.3.1A. :1s | | | | | |
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| | 1.3.3A.2. :3sa. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 1.3.3A.2. :3sb. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 1.3.3A.2. :3sc. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 1.3.3B. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 1.3.3B. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 1.3.3B. :3s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
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| | 2.2.2A. USGS implements by: | USGS | USGS-MPM | Jul 1993 | C | (verified) Page ii |

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RTNDB
 May 24, 1994 11:01 AM

Requirements 1 Stability Network
 Requirement Matrix Report
 Document owner, id: OQA, DOE/RW-0333P QARD
 Revision & Change: 0

Vers 2.1
 (rtscript)

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| | | | QMP-5.03 | 8 | | Att1 :G. 1. 2. 1. 2. |
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May 24, 1994 11:01 AM

Requirements Feasibility Network
Requirements Matrix Report
Document owner, id: OQA, DOE/RW-0333P QARD
Revision & Change: 0

Ver: 2.1
(rtr001rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|----------------------|----------------------|-----------------------|---------------------------------------|
| | 2.2.3A.6. | | | | | |
| | USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.3A.7. | | | | | |
| | USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.3B. | | | | | |
| | USGS implements by: | USGS | QMP-3.15 | 0 | C | (verified) Mod1 :1.0 :1s |
| | 2.2.3C. :1s | | | | | |
| | USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.3C. :2s | | | | | |
| | USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.3D. | | | | | |
| | USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.3E. | | | | | |
| | USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.3F.1. | | | | | |
| | USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.3F.2. | | | | | |
| | USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.3F.3. | | | | | |
| | USGS implements by: | USGS | QMP-5.01 QMP-5.05 | 5 4 | C | (verified) Mod1 5.1 :2s 5.3 :1b |
| | 2.2.3F.4. | | | | | |
| | USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) Mod1 5.1 :2s |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|------------------------------------|-----------------------------|----------------------|----------------------|-----------------------|--|
| | 2.2.3F.4. USGS implements by: | USGS | QMP-5.05 | 4 | C | (verified) 5.3 :2b |
| | 2.2.3F.5. USGS implements by: | USGS | QMP-5.01 QMP-5.05 | 5 4 | C | (verified) Mod1 5.1 :2s 5.3 :3b |
| | 2.2.3F.6. USGS implements by: | USGS | QMP-5.01 QMP-5.05 | 5 4 | C | (verified) Mod1 5.1 :2s 5.3 :4b |
| | 2.2.3F.7. USGS implements by: | USGS | QMP-5.01 QMP-5.05 | 5 4 | C | (verified) Mod1 5.1 :2s 5.3 :5b |
| | 2.2.3F.8. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.3F.9. USGS implements by: | USGS | QMP-5.01 QMP-5.05 | 5 4 | C | (verified) Mod1 5.1 :2s 5.3 :6b |
| | 2.2.3F.10. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.4 :1s USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) Mod1 :5.1 :2sf |
| | 2.2.4 :2sA. USGS implements by: | YMSCO | AP-1.10Q | 6 | C | (verified) ATT.8.3 I. :1s ATT.8.3 I. :2s ATT.8.3 II. :1s ATT.8.3 II. :2s ATT.8.3 II. :3s ATT.8.3 II. :4s |

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2.2.4 :2sA.
 USGS implements by:

YMSCO AP-1.10Q

6

C

(verified)
 ATT.8.3 II. :5s
 ATT.8.3 II. :6s
 ATT.8.3 II. :7s
 ATT.8.3 II. :8s
 ATT.8.3 II. :9s
 ATT.8.3 II. :10s
 ATT.8.3 II. :11s
 ATT.8.3 II. :12s
 ATT.8.3 II. :13s
 ATT.8.3 II. :14s1.
 ATT.8.3 II. :14s2.
 ATT.8.3 II. :14s3.
 ATT.8.3 II. :14s4.
 ATT.8.3 II. :14s5.
 ATT.8.3 II. :14s6.
 ATT.8.3 II. :15s
 ATT.8.3 II. :16s
 ATT.8.3 II. :17s
 ATT.8.3 II. :18s
 ATT.8.3 II. :19s
 ATT.8.3 II. :20s
 ATT.8.3 II. :21s
 ATT.8.3 II. :22s
 ATT.8.3 II. :23s
 ATT.8.3 II. :24s
 ATT.8.3 II. :25s
 ATT.8.3 II. :26s
 ATT.8.3 II. :27s
 ATT.8.3 II. :28s
 ATT.8.3 II. :29s
 ATT.8.3 II. :30s
 ATT.8.3 III. :1s
 ATT.8.3 III. :2s
 ATT.8.3 III. :3s
 ATT.8.3 IV. :1s
 ATT.8.3 IV. :2s

2.2.4 :2sB.
 USGS implements by:

YMSCO AP-1.10Q

6

C

(verified)
 ATT.8.3 I. :1s
 ATT.8.3 I. :2s
 ATT.8.3 II. :1s

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RTNDB
May 24, 1994 11:01 AM

Requirements Feasibility Network
Requirement Matrix Report
Document owner, id: OQA, DOE/RW-0333P QARD
Revision & Change: 0

Ver: 2.1
(report)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|----------------|-----------------------------|-------------|----------------------|-----------------------|-------------|
|--------------------|----------------|-----------------------------|-------------|----------------------|-----------------------|-------------|

2.2.4 :2sB.

USGS implements by:

YMSCO AP-1.10Q

6

C

(verified)

ATT.8.3 II. :2s
ATT.8.3 II. :3s
ATT.8.3 II. :4s
ATT.8.3 II. :5s
ATT.8.3 II. :6s
ATT.8.3 II. :7s
ATT.8.3 II. :8s
ATT.8.3 II. :9s
ATT.8.3 II. :10s
ATT.8.3 II. :11s
ATT.8.3 II. :12s
ATT.8.3 II. :13s
ATT.8.3 II. :14s1.
ATT.8.3 II. :14s2.
ATT.8.3 II. :14s3.
ATT.8.3 II. :14s4.
ATT.8.3 II. :14s5.
ATT.8.3 II. :14s6.
ATT.8.3 II. :15s
ATT.8.3 II. :16s
ATT.8.3 II. :17s
ATT.8.3 II. :18s
ATT.8.3 II. :19s
ATT.8.3 II. :20s
ATT.8.3 II. :21s
ATT.8.3 II. :22s
ATT.8.3 II. :23s
ATT.8.3 II. :24s
ATT.8.3 II. :25s
ATT.8.3 II. :26s
ATT.8.3 II. :27s
ATT.8.3 II. :28s
ATT.8.3 II. :29s
ATT.8.3 II. :30s
ATT.8.3 III. :1s
ATT.8.3 III. :2s
ATT.8.3 III. :3s
ATT.8.3 IV. :1s
ATT.8.3 IV. :2s

2.2.4 :2sC.

USGS implements by:

USGS QMP-5.01

5

C

(verified)

Mod1 :5.1 :2sc

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|------------------------------------|-----------------------------|----------------------------------|----------------------|-----------------------|--|
| | 2.2.4 :2sC. USGS implements by: | USGS | QMP-5.05 | 4 | C | (verified) Mod1 :5.5 :b5 |
| | 2.2.4 :2sD. USGS implements by: | USGS | QMP-5.01 QMP-5.05 | 5 4 | C | (verified) 5. :1s Mod1 :5.5 :b5 |
| | 2.2.4 :2sE. USGS implements by: | USGS | QMP-5.01 QMP-5.05 | 5 4 | C | (verified) Mod1 :5.1 :2se Mod1 :5.1 :2sj 5.6.2 :b1 |
| | 2.2.4 :2sF. USGS implements by: | USGS | QMP-5.01 QMP-5.05 | 5 4 | C | (verified) Mod1 :5.1 :2s1 6.2 |
| | 2.2.4 :2sG. USGS implements by: | USGS | QMP-5.01 QMP-5.05 | 5 4 | C | (verified) Mod1 :5.1 :2sg 5.8.2 |
| | 2.2.4 :2sH. USGS implements by: | USGS | QMP-2.07 QMP-5.01 QMP-5.05 | 1 5 4 | C | (verified) 1.0 Mod1 :5.1 :2s Mod1 :5.1 :2sf 5.3 :6b Mod1 :5.5 :b3 Mod1 :5.5 :b4 Mod1 :5.5 :b5 |
| | 2.2.4 :2sI. USGS implements by: | USGS | QMP-5.01 QMP-5.05 | 5 4 | C | (verified) Mod1 :5.1 :2s1 5.6.2 :4b 5.6.2 :5b |
| | 2.2.5 :1s USGS implements by: | USGS | QMP-18.02 | 3 | C | (verified) 5.1 :1s |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|------------------------|----------------------|-----------------------|--|
| | 2.2.5 :1s | | | | | |
| | USGS implements by: | USGS | QMP-18.02 | 3 | C | (verified) 5.1 :2s |
| | 2.2.5 :2sA. | | | | | |
| | USGS implements by: | USGS | QMP-16.04 QMP-18.02 | 0 3 | C | (verified) 5.12.1 5.1 5.3 :3s thru 4s |
| | 2.2.5 :2sB. | | | | | |
| | USGS implements by: | USGS | QMP-18.02 | 3 | C | (verified) 5.2 :2s thru 3s |
| | 2.2.5 :2sC. | | | | | |
| | USGS implements by: | USGS | QMP-18.02 | 3 | C | (verified) 5.4 :1s 5.4.2 |
| | 2.2.6 | | | | | |
| | USGS implements by: | USGS | QMP-2.01 | 3 | C | (verified) 5.1 |
| | 2.2.6A. | | | | | |
| | USGS implements by: | USGS | QMP-2.01 | 3 | C | (verified) 5.1 :1s |
| | 2.2.6B.1. | | | | | |
| | USGS implements by: | USGS | QMP-2.01 | 3 | C | (verified) 5.3 :1bullet |
| | 2.2.6B.2. | | | | | |
| | USGS implements by: | USGS | QMP-2.01 | 3 | C | (verified) 5.3 :2bullet |
| | 2.2.6B.3. | | | | | |
| | USGS implements by: | USGS | QMP-2.01 | 3 | C | (verified) 5.3 :3bullet |
| | 2.2.6B.4. | | | | | |
| | USGS implements by: | USGS | QMP-2.01 | 3 | C | (verified) 5.3 :4bullet |
| | 2.2.6B.5. | | | | | |
| | USGS implements by: | USGS | QMP-2.01 | 3 | C | (verified) 5.3 :5bullet |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|--------------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------------|
| | 2.2.7 :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.7 :2sA. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.7 :2sB. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.7 :2sC. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8A. :1p USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8A. :2p1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8A. :2p2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8A. :2p3. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8A. :2p4. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8A. :2p5. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8A. :2p6. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8A. :2p7. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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 (IBR) = Incorporated By Reference
 15

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|--|-----------------------------|-------------|----------------------|-----------------------|-------------------|
| | 2.2.8B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8C.1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8C.2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8C.3. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8C.4. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8C.5. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8D.1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8D.2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8D.3. :1sthru2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8D.3.NOTE: USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8E.1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8E.2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|------------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------------|
| | 2.2.8E.3. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8E.4.a. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8E.4.b. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8E.4.c. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8E.4.d. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8E.4.e. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8E.4.f. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8E.4.g. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8E.4.h. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8F.1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8F.2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.8F.3. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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|--------------------|------------------------------------|-----------------------------|-------------|----------------------|-----------------------|---|
| | 2.2.8F.4. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 2.2.9 USGS implements by: | USGS | QMP-3.07 | 5 | C | (verified) 5.2.1 :1s |
| | 2.2.9A. :1s USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.2 :5s 5.3 :4p2s 5.2.1 :1s 5.4.1.2 5.4.2.1 5.2 5.3.1 5.3.1 :2s 5.3.2 :2s 5.3.3 :1s 5.3.4 :1s 5.5.1 :2s 5.8.1 :2s 5.8.2 :1s |
| | | | QMP-3.07 | 5 | | |
| | | | QMP-4.01 | 6 | | |
| | | | QMP-5.01 | 5 | | |
| | | | QMP-5.03 | 8 | | |
| | | | QMP-5.05 | 4 | | |
| | 2.2.9A. :2s USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 5.3.2.1.1 :2s 5.3.2.1.1 :3s 5.3.2.2.1 :2s 5.3.2.2.1 :3s 5.3.2.3.1 :2s 5.3.2.4.1 :2s 5.3.2.4.1 :3s 5.2 :1s 5.2.1 :1s 5.1.3 :3s 5.1.1 :2s 5.2 5.3.2 :2s 5.8.1 :2s 5.8.2 :1s |
| | | | QMP-3.07 | 5 | | |
| | | | QMP-4.01 | 6 | | |
| | | | QMP-5.01 | 5 | | |
| | | | QMP-5.03 | 8 | | |
| | | | QMP-5.05 | 4 | | |
| | 2.2.9B. USGS implements by: | USGS | QMP-3.07 | 5 | C | (verified) 5.2 :2p |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|-------------|----------------------|-----------------------|--------------|
| | 2.2.9B. | | | | | |
| | USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) |
| | | | QMP-5.01 | 5 | | 5.1.3 :2s |
| | | | | | | 5.2 |
| | 2.2.9C. | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) |
| | | | QMP-3.07 | 5 | | Mod1 5.2 :4s |
| | | | QMP-4.01 | 6 | | 5.1 :2pls |
| | | | | | | 4.3 |
| | | | | | | 5.1.3 |
| | | | QMP-5.01 | 5 | | 4.2 |
| | | | | | | 4.2 |
| | | | QMP-5.03 | 8 | | 5.2 :1s |
| | | | | | | 5.3.1 :1s |
| | | | QMP-5.05 | 4 | | 5.3.2 :1s |
| | | | | | | 5.8.1 |
| | 2.2.9D. | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) |
| | | | QMP-3.07 | 5 | | Mod1 5.2 :4s |
| | | | QMP-4.01 | 6 | | 5.1 :1s |
| | | | | | | 5.1.4 |
| | | | | | | 5.2.1 |
| | | | QMP-5.01 | 5 | | 4.2 |
| | | | QMP-5.05 | 4 | | 5.8 |
| | 2.2.9E. | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) |
| | | | QMP-3.07 | 5 | | Mod1 5.2 :5s |
| | | | QMP-4.01 | 6 | | 5.2 :1s |
| | | | | | | 5.4.1.2 |
| | | | | | | 5.4.1.3 |
| | | | QMP-5.01 | 5 | | 5.2 |
| | | | QMP-5.05 | 4 | | 5.8.2 :1s |
| | 2.2.9E.1. :1s | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) |
| | | | | | | 5.3 :3p1s |
| | | | QMP-3.07 | 5 | | 5.3 :3p2s |
| | | | | | | 5.1 :1p2s |
| | | | | | | 5.2.1 :1s |
| | | | QMP-4.01 | 6 | | 4.3 |
| | | | QMP-5.01 | 5 | | 4.2 |

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| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|-------------|----------------------|-----------------------|---|
| | 2.2.9E.1. :1s | | | | | |
| | USGS implements by: | | | | | |
| | | USGS | QMP-5.03 | 8 | C | (verified) 5.3.1 :1s 5.3.1 :2s 5.3.2 5.5.1 5.8.1 5.8.2 |
| | | | QMP-5.05 | 4 | | |
| | 2.2.9E.1. :2s | | | | | |
| | USGS implements by: | | | | | |
| | | USGS | QMP-3.03 | 4 | C | (verified) Modl 5.3.3.2 |
| | | | QMP-3.07 | 5 | | 4.1 5.1 :1p2s 5.4.2.2 5.6 5.5 5.6.1 5.4.2.1 :1s 5.4.2.2 :2s |
| | | | QMP-4.01 | 6 | | |
| | | | QMP-5.01 | 5 | | |
| | | | QMP-5.03 | 8 | | |
| | 2.2.9E.2. :1s | | | | | |
| | USGS implements by: | | | | | |
| | | USGS | QMP-3.03 | 4 | C | (verified) 4.4 4.2 4.2 4.3 5.3 4.2 :2s 4.2 |
| | | | QMP-3.07 | 5 | | |
| | | | QMP-4.01 | 6 | | |
| | | | QMP-5.01 | 5 | | |
| | | | QMP-5.03 | 8 | | |
| | | | QMP-5.05 | 4 | | |
| | 2.2.9E.2. :2s | | | | | |
| | USGS implements by: | | | | | |
| | | USGS | QMP-3.03 | 4 | C | (verified) 4.4 4.2 5.4.2.2 4.3 5.3 5.6.1 :2s 4.2 5.4.2.1 :1s 5.4.2.2 :2s |
| | | | QMP-3.07 | 5 | | |
| | | | QMP-4.01 | 6 | | |
| | | | QMP-5.01 | 5 | | |
| | | | QMP-5.03 | 8 | | |
| | 2.2.9F. | | | | | |
| | USGS implements by: | | | | | |
| | | USGS | QMP-3.03 | 4 | C | (verified) Modl 5.2 :3s |

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 20

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|-------------|----------------------|-----------------------|-----------------------------|
| | 2.2.9F. | | | | | |
| | USGS implements by: | | | | C | (verified) |
| | | USGS | QMP-3.07 | 5 | | 5.2 :2s |
| | | | QMP-4.01 | 6 | | 5.3 :2s |
| | | | QMP-5.01 | 5 | | 5.4.1.3 :2s |
| | | | | | | 5.2 |
| | | | QMP-5.03 | 8 | | 5.3 |
| | | | QMP-5.05 | 4 | | 5.3.1 :5s |
| | | | | | | 5.8 |
| | 2.2.10A. | | | | | |
| | USGS implements by: | | | | C | (verified) |
| | | USGS | QMP-16.03 | 3 | | 5.4 :2s |
| | | | QMP-18.01 | 7 | | 5.4 :2sbullet1 thru bullet4 |
| | | | | | | 5.1 :3s |
| | | | | | | 5.1.3 :2s |
| | | | | | | 5.1.3 :4s |
| | | | | | | 5.3.2 :1s |
| | | | | | | 5.3.2 :2s |
| | | | | | | 5.6.2 :1s |
| | | | QMP-2.01 | 3 | | 5.6.2 :2s |
| | | | | | | 5.4 :2s |
| | 2.2.10B. | | | | | |
| | USGS implements by: | | | | C | (verified) |
| | | USGS | QMP-16.03 | 3 | | 5.4 :1s |
| | | | QMP-18.02 | 3 | | 5.4.2 |
| | 2.2.11 :1s | | | | | |
| | USGS implements by: | | | | C | (verified) |
| | | USGS | QMP-2.02 | 6 | | 2.0 :1s |
| | | | QMP-2.08 | 2 | | 2.0 :3s |
| | | | | | | 2. :1s |
| | | | | | | 2. :3s |
| | 2.2.11 :2sA. | | | | | |
| | USGS implements by: | | | | C | (verified) |
| | | USGS | QMP-2.02 | 6 | | 4.2 :1s |
| | | | QMP-2.08 | 2 | | 4.3 :1s |
| | 2.2.11 :2sB. | | | | | |
| | USGS implements by: | | | | C | (verified) |
| | | USGS | QMP-2.02 | 6 | | 4.2 :1s |
| | | | QMP-2.08 | 2 | | 4.3 :1s |

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------------------------|-----------------------------|-------------|----------------------|-----------------------|-----------------------------------|
| | 2.2.11 :2sC. USGS implements by: | USGS | QMP-2.02 | 6 | C | (verified) |
| | | | QMP-2.07 | 1 | | 4.4 :1s |
| | | | QMP-2.08 | 2 | | 4.4 Mod7 4.3 :1s |
| | 2.2.11 :2sD. USGS implements by: | USGS | QMP-2.02 | 6 | C | (verified) |
| | | | QMP-2.08 | 2 | | 4.2 :1s 4.3 :1s |
| | 2.2.11 :2sE. USGS implements by: | USGS | QMP-2.02 | 6 | C | (verified) |
| | | | QMP-2.08 | 2 | | 4.4 :1s 4.3 :1s |
| | 2.2.11 :2sF. USGS implements by: | USGS | QMP-2.02 | 6 | C | (verified) |
| | | | QMP-2.08 | 2 | | 4.4 :1s Att2 :para2 4.3 :1s |
| | 2.2.11 :2sG. USGS implements by: | USGS | QMP-2.02 | 6 | C | (verified) |
| | | | QMP-2.07 | 1 | | 4.4 :1s |
| | | | QMP-2.08 | 2 | | 4.4 Mod7 4.3 :1s |
| | 2.2.11 :2sH. USGS implements by: | USGS | QMP-2.07 | 1 | C | (verified) |
| | | | | | | 5.1.1 :1s Mod7 |
| | 2.2.11 :2sI. USGS implements by: | USGS | QMP-2.02 | 6 | C | (verified) |
| | | | QMP-2.08 | 2 | | 4.1 :3s 4.1 :2s |
| | 2.2.11 :2sJ.1. USGS implements by: | USGS | QMP-2.07 | 1 | C | (verified) |
| | | | | | | 3.1 :3s Mod7 |
| | 2.2.11 :2sJ.2. USGS implements by: | USGS | QMP-2.07 | 1 | C | (verified) |
| | | | | | | 3.1 :3s Mod7 |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|-------------|----------------------|-----------------------|----------------------|
| | 2.2.11 :2sJ.3. | | | | | |
| | USGS implements by: | USGS | QMP-2.02 | 6 | C | (verified) |
| | | | QMP-2.08 | 2 | | Att1 :4. Att2 :4. |
| | 2.2.12 | | | | | |
| | USGS implements by: | USGS | QMP-2.02 | 6 | C | (verified) |
| | | | QMP-2.05 | 4 | | 2.0 :4s |
| | | | QMP-2.08 | 2 | | 5. 2. :2s |
| | 3.2.1A. | | | | | |
| | USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.1B. | | | | | |
| | USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.1C. | | | | | |
| | USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.1D. | | | | | |
| | USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.2A. | | | | | |
| | USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.2B. | | | | | |
| | USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.2C. | | | | | |
| | USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.2D. | | | | | |
| | USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.2E. | | | | | |
| | USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|------------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------------|
| | 3.2.2F. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.2G. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.2H. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.2H. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.2I. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.3A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.3B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.3C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.3D. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.3E.1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.3E.2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.3E.3. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|--------------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------------|
| | 3.2.3E.4. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.3E.5. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.3E.6. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.4A.1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.4A.2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.4A.3. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.4B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.4C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.4D. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.4D. :2s1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.4D. :2s2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.4D. :2s3. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|--------------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------------|
| | 3.2.4D. :2s4. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.4E. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.4E.1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.4E.2. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.4E.2. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.4E.3. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.4F. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.4G. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.4H.1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.4H.2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.4H.3. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.4H.4. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|--------------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------------|
| | 3.2.4H.4. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.5A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.5B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.5C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.5D. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.5E. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.6 USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.7A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.7B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.7C. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.7C. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.7D. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|------------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------------|
| | 3.2.7E. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.7F. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.7G. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.7H. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.8A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.8B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.8C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.8C.1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.8C.2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.8D. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.8D. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.8E. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|--------------------------------------|-----------------------------|-------------|----------------------|-----------------------|------------------------------|
| | 3.2.8F. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.9A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.9B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.9C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.9D. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.9E. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.9E. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 3.2.9F. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 4.2.1A. USGS implements by: | USGS | QMP-4.01 | 6 | | (verified) Att1 :pg1 B. |
| | | | QMP-4.02 | 5 | | Att1 :B. Att 1 :E. |
| | 4.2.1B.1. USGS implements by: | USGS | QMP-4.01 | 6 | | (verified) Att1 :C.1. :1s |
| | | | QMP-4.02 | 5 | | Att 1 :F.1. |
| | 4.2.1B.2. :1s USGS implements by: | USGS | QMP-4.01 | 6 | | (verified) Att1 :C.1. :2s |

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RTNDB
 May 24, 1994 11:01 AM

Requirements Feasibility Network
 Requirements Matrix Report
 Document owner, id: OQA, DOE/RW-0333P QARD
 Revision & Change: 0

Ver: 2.1
 (rev07rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|--------------------------------------|-----------------------------|----------------------|----------------------|-----------------------|---------------------------------------|
| | 4.2.1B.2. :1s USGS implements by: | USGS | QMP-4.02 | 5 | (verified) | Att 1 :F.2. :1s |
| | 4.2.1B.2. :2s USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | (verified) | Att1 :C.1. :3s Att 1 :F.2. :2s |
| | 4.2.1B.3. USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | (verified) | Att1 :C.2. Att 1 :F.3. |
| | 4.2.1C.1. :1s USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | (verified) | Att1 :D.2. :1s Att 1 :G.1. :1s |
| | 4.2.1C.1. :2s USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | (verified) | Att1 :D.2. :2s Att 1 :G.1. :2s |
| | 4.2.1C.2. USGS implements by: | USGS | QMP-4.01 | 6 | (verified) | Att1 :Part III :3. |
| | 4.2.1C.3. :1s USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | (verified) | Att1 :D.1. :1s Att 1 :G.3. :1s |
| | 4.2.1C.3. :2s USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | (verified) | Att1 :D.1. :2s thru 3s Att 1 :G.4. |
| | 4.2.1D. USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | (verified) | Att1 :Part III :2. Att 1 :H. |
| | 4.2.1E. USGS implements by: | USGS | QMP-4.01 | 6 | (verified) | Att1 :C.1. :4s |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|----------------------------------|-----------------------------|--------------------------|----------------------|-----------------------|---|
| | 4.2.1E. USGS implements by: | USGS | QMP-4.02 | 5 | (verified) | Att 1 :I. |
| | 4.2.1F. USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | (verified) | Att1 :E. Att 1 :J. |
| | 4.2.1F.1. USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | (verified) | Att1 :E.3. Att 1 :J. |
| | 4.2.1F.2. USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | (verified) | Att1 :F. Att 1 :K. |
| | 4.2.1G. USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | (verified) | Att1 :G. Att 1 :L. |
| | 4.2.1H. USGS implements by: | USGS | QMP-4.01 | 6 | (verified) | Att1 :B. :3s |
| | 4.2.2A. USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | (verified) | 5.1.3 5.4.1.2 5.4.1.3 5.2 5.2 5.3 5.4 Att 2 :Instructions at top of page |
| | 4.2.2B. USGS implements by: | USGS | QMP-4.01 | 6 | (verified) | 5.1.3 5.4.1.3 5.4.2.2 |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|---------------------|----------------|-----------------------------|-------------|-------------------------|-----------------------|-----------------------------|
| 4.2.2B. | | | | | | |
| USGS implements by: | | | | | | |
| | | USGS | QMP-4.01 | 6 | (verified) | 5.2 |
| | | | QMP-4.02 | 5 | | 5.6 5.2 5.4 5.8 |
| 4.2.2C. | | | | | | |
| USGS implements by: | | | | | | |
| | | USGS | QMP-4.01 | 6 | (verified) | 5.1.3 5.4.1.3 5.4.2.2 |
| | | | QMP-4.02 | 5 | | 5.2 5.2 5.3 5.4 |
| 4.2.2D. | | | | | | |
| USGS implements by: | | | | | | |
| | | USGS | QMP-4.01 | 6 | (verified) | 5.1.3 :2s 5.1.4 |
| | | | QMP-4.02 | 5 | | 5.2.1 4.1 4.3 5.4 |
| 4.2.2E. | | | | | | |
| USGS implements by: | | | | | | |
| | | USGS | QMP-4.01 | 6 | (verified) | 5.1.3 5.4.1.2 5.4.1.3 |
| | | | QMP-4.02 | 5 | | 5.2 5.2 5.3 5.4 |
| 4.2.2F. | | | | | | |
| USGS implements by: | | | | | | |
| | | USGS | QMP-4.01 | 6 | (verified) | 5.1.3 :3s 5.4.1.3 :3s |
| | | | QMP-4.02 | 5 | | 5.4.2.3 5.3 |
| 4.2.3A. | | | | | | |
| USGS implements by: | | | | | | |
| | | USGS | QMP-4.01 | 6 | (verified) | 5.6 |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|-----------------------------|----------------------|-----------------------|---|
| | 4.2.3A. | | | | | |
| | USGS implements by: | USGS | QMP-4.02 | 5 | | (verified) 5.8 |
| | 4.2.3B. :1s | | | | | |
| | USGS implements by: | USGS | QMP-4.01 | 6 | | (verified) 5.6.1 :1s |
| | 4.2.3B. :2s | | | | | |
| | USGS implements by: | USGS | QMP-4.01 | 6 | | (verified) 5.6.1 :2s |
| | 4.2.3B. :3s1. | | | | | |
| | USGS implements by: | USGS | QMP-4.01 | 6 | | (verified) 5.6.1 :3s1b |
| | 4.2.3B. :3s2. | | | | | |
| | USGS implements by: | USGS | QMP-4.01 | 6 | | (verified) 5.6.1 :3s2b |
| | 4.2.3B. :3s3. | | | | | |
| | USGS implements by: | USGS | QMP-4.01 | 6 | | (verified) 5.6.1 :3s3b |
| | 5.2 | | | | | |
| | USGS implements by: | USGS | QMP-3.15 | 0 | C | (verified) Mod1 :5.0 :2s |
| | 5.2.1 | | | | | |
| | USGS implements by: | USGS | QMP-3.15 | 0 | C | (verified) Mod1 :5.0 :2s |
| | 5.2.2A. | | | | | |
| | USGS implements by: | USGS | QMP-5.01 QMP-5.03 | 5 8 | C | (verified) Mod1 :5.1 :2sb 5.2.2 :3s4. |
| | 5.2.2B. | | | | | |
| | USGS implements by: | USGS | N/A QMP-5.01 QMP-5.03 | 0 5 8 | C | (verified) N/A Mod1 :5.1 :2sc 3.5 |
| | 5.2.2C. :1s | | | | | |
| | USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) Mod1 :5.1 :2se |

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 33

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
|--------------------|------------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------------------------|
| | 5.2.2C. :1s USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) 5.5 |
| | | | QMP-5.03 | 8 | | 5.6 5.2.2 :3s5. 5.4 |
| | 5.2.2C. :2s USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) |
| | | | QMP-5.03 | 8 | | Mod1 :5.1 :2se 5.2 |
| | 5.2.2D. USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) Mod1 :5.1 :2sk |
| | 5.2.2E. USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) Mod1 :5.1 :2sf |
| | 5.2.2F. USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) Mod1 :5.1 :2sg |
| | 5.2.2G. USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) Mod1 :5.1 :2sg |
| | 5.2.2H. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) |
| | | | QMP-5.01 | 5 | | 5.6 :3s Mod1 :5.1 :2s1 :1s |
| | | | QMP-5.03 | 8 | | 6.2 5.2.2 :3s6. :3s |
| | 5.2.2I. USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) Mod1 :5.1 :2sd |
| | 5.2.3 USGS implements by: | USGS | QMP-3.07 | 5 | C | (verified) |
| | | | QMP-5.01 | 5 | | 5.2.1 5.2 5.3 |

~ = Not yet accepted
 (IBR) = Incorporated By Reference

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|-------------|----------------------|-----------------------|--|
| | 5.2.3 | | | | | |
| | USGS implements by: | | | | | |
| | | USGS | QMP-5.01 | 5 | C | (verified) 5.3.1 |
| | | | QMP-5.03 | 8 | | 6.1 |
| | | | QMP-6.01 | 6 | | 5.3 2. :1s |
| | 5.2.4A. | | | | | |
| | USGS implements by: | | | | | |
| | | USGS | QMP-5.01 | 5 | C | (verified) 5.6 |
| | | | QMP-5.03 | 8 | | 5.4.2.2.1 |
| | 5.2.4B. | | | | | |
| | USGS implements by: | | | | | |
| | | USGS | QMP-5.01 | 5 | C | (verified) 5.6 |
| | | | QMP-5.03 | 8 | | 5.4.2.2.1 |
| | 6.2.1 | | | | | |
| | USGS implements by: | | | | | |
| | | USGS | QMP-5.01 | 5 | C | (verified) 6.1 |
| | | | QMP-5.03 | 8 | | 6.1 |
| | | | QMP-6.01 | 6 | | 2. :1s |
| | 6.2.2 | | | | | |
| | USGS implements by: | | | | | |
| | | USGS | QMP-5.01 | 5 | C | (verified) 4.1 :1s |
| | | | QMP-5.03 | 8 | | 4.2 |
| | 6.2.3 | | | | | |
| | USGS implements by: | | | | | |
| | | USGS | QMP-5.01 | 5 | C | (verified) 5.2 |
| | | | QMP-5.03 | 8 | | 5.3 4.2 :1s |
| | | | | | | 5.3 5.3.1 5.3.2 |
| | 6.2.4 | | | | | |
| | USGS implements by: | | | | | |
| | | USGS | QMP-5.01 | 5 | C | (verified) 4.4 |
| | | | QMP-5.03 | 8 | | 5.4 :3s 5.4 :4s 4.2 :2s 5.3.5 |

~ = Not yet accepted
 (IBR) = Incorporated By Reference

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|-------------|----------------------|-----------------------|---|
| | 6.2.5 | | | | | |
| | USGS implements by: | USGS | QMP-6.01 | 6 | C | (verified) 5.2 (all) |
| | 6.2.5A. | | | | | |
| | USGS implements by: | USGS | QMP-6.01 | 6 | C | (verified) 5.2.4 :1s |
| | 6.2.5B. | | | | | |
| | USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) 5.4 :4s 9.0 |
| | | | QMP-5.03 | 8 | | 5.3.5 |
| | | | QMP-6.01 | 6 | | 5.2.2 :7s |
| | 6.2.5C. | | | | | |
| | USGS implements by: | USGS | QMP-6.01 | 6 | C | (verified) 5.2.4 :4s |
| | 6.2.5D. | | | | | |
| | USGS implements by: | USGS | QMP-6.01 | 6 | C | (verified) 5.6 |
| | 6.2.6. | | | | | |
| | USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) 5.2a) thru e) 5.5 :1s 5.6.1 |
| | | | QMP-5.03 | 8 | | 5.4 |
| | 6.2.6A. | | | | | |
| | USGS implements by: | USGS | QMP-3.07 | 5 | C | (verified) 5.1 :1s 5.1 :2s 5.5 :1s |
| | | | QMP-5.01 | 5 | | 5.4.2.1 :1s |
| | | | QMP-5.03 | 8 | | 5.4.2.2 :2s |
| | 6.2.6B. | | | | | |
| | USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) 5.5 :1s 5.6.1 :2s |
| | | | QMP-5.03 | 8 | | 5.4.2.1 :1s 5.4.2.2 :2s |

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 (IBR) = Incorporated By Reference

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|-------------|----------------------|-----------------------|---------------|
| | 6.2.6C. | | | | C | (verified) |
| | USGS implements by: | USGS | QMP-5.01 | 5 | | 4.1 |
| | | | QMP-5.03 | 8 | | 4.4 |
| | | | | | | 5.4.2.1 :1s |
| | | | | | | 5.4.2.2 :2s |
| | 6.2.6D. :1s | | | | C | (verified) |
| | USGS implements by: | USGS | QMP-5.01 | 5 | | 5.5 :1s |
| | | | QMP-5.03 | 8 | | 5.6.1 :1s |
| | | | QMP-6.01 | 6 | | 5.6.1 :2s |
| | | | | | | 5.4.2 |
| | | | | | | 5.2.4 :3s |
| | 6.2.6D. :2s | | | | C | (verified) |
| | USGS implements by: | USGS | QMP-5.01 | 5 | | 5.6.1 :3s |
| | | | QMP-5.03 | 8 | | 5.4.2.2 :5s |
| | 6.2.6E. :1s | | | | C | (verified) |
| | USGS implements by: | USGS | QMP-5.01 | 5 | | 5.5 :2s |
| | | | QMP-5.03 | 8 | | 6.2.1 |
| | | | | | | 5.2.2 :3s10 |
| | 6.2.6E. :2s | | | | C | (verified) |
| | USGS implements by: | USGS | QMP-5.01 | 5 | | 5.3.1 |
| | | | QMP-5.03 | 8 | | 5.5 :2s |
| | | | | | | 5.3.2 :1p |
| | 6.2.7 | | | | C | (verified) |
| | USGS implements by: | USGS | QMP-5.01 | 5 | | 5.6 :1s |
| | | | QMP-5.03 | 8 | | 5.4.2.2.1 :1s |
| | 6.2.7A. :1s | | | | C | (verified) |
| | USGS implements by: | USGS | QMP-5.01 | 5 | | 5.6.1 :1s |
| | | | QMP-5.03 | 8 | | 5.6.1 :2s |
| | | | | | | 5.4.2.2.1 :2s |
| | 6.2.7A. :2s | | | | C | (verified) |
| | USGS implements by: | USGS | QMP-5.01 | 5 | | 5.6.1 |

~ = Not yet accepted
 (IBR) = Incorporated By Reference
 37

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|-------------|----------------------|-----------------------|-----------------------------|
| | 6.2.7A. :2s | | | | | |
| | USGS implements by: | USGS | QMP-5.03 | 8 | C | (verified) 5.4.2.2.1 :2s |
| | 6.2.7B. | | | | | |
| | USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) 5.6 |
| | 6.2.7B.1. | | | | | |
| | USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) 5.6 :1s |
| | | | QMP-5.03 | 8 | | 5.6.1 :1s 5.4.2.2.1 :1s |
| | 6.2.7B.2. | | | | | |
| | USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) 5.6.1 :1s |
| | | | QMP-5.03 | 8 | | 5.4.2.2.1 :2s |
| | 6.2.7B.3. | | | | | |
| | USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) 5.6.1.1 |
| | | | QMP-5.03 | 8 | | 5.4.2.2.1 :3s |
| | 6.2.8 | | | | | |
| | USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) 5.7 |
| | | | QMP-5.03 | 8 | | 5.4.1 |
| | 6.2.8A.1. | | | | | |
| | USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) 3.3 |
| | | | QMP-5.03 | 8 | | 3.3 |
| | 6.2.8A.2. | | | | | |
| | USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) 3.3 |
| | | | QMP-5.03 | 8 | | 3.3 |
| | 6.2.8A.3. | | | | | |
| | USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) 3.3 |
| | | | QMP-5.03 | 8 | | 3.3 |
| | 6.2.8A.4. | | | | | |
| | USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) 3.3 Mod1 |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|--------------------------------------|-----------------------------|----------------------|----------------------|-----------------------|---|
| | 6.2.8A.4. USGS implements by: | USGS | QMP-5.03 | 8 | C | (verified) 3.3 |
| | 6.2.8B. USGS implements by: | USGS | QMP-5.01 QMP-5.03 | 5 8 | C | (verified) 5.7 5.4.1 |
| | 7.2.1 :1s USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | C | (verified) 5.1.1 :2s 5.1 :1s |
| | 7.2.1 :2sA. USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | C | (verified) Att1 :Part I 4. Att 1 :E. |
| | 7.2.1 :2sB. USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | C | (verified) Att1 :pg1 Att1 :pg2 Att 1 :E. |
| | 7.2.1 :2sC. USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | C | (verified) 5. 5. |
| | 7.2.1 :2sD.1. USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | | (verified) Att1 Att2 Att5 5.1 5.8 |
| | 7.2.1 :2sD.2. USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) Att1 :Part I |
| | 7.2.1 :2sD.3. USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) 5.4.1.1 thru 5.4.1.3 |

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 39

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|--------------------------------------|-----------------------------|----------------------------------|----------------------|-----------------------|--|
| | 7.2.1 :2sD.4. USGS implements by: | USGS | QMP-7.04 | 1 | C | (verified) 5.2 |
| | 7.2.1 :2sD.5. USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | C | (verified) Att1 :C.1. :4s Att 1 :I. |
| | 7.2.1 :2sD.6. USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | C | (verified) Att1 :G. Att 1 :L. |
| | 7.2.1 :2sD.7. USGS implements by: | USGS | QMP-4.01 QMP-4.02 QMP-7.01 | 6 5 5 | C | (verified) Att1 :G. Att 1 :L. 5.1.2 Att2 :PartB Att2 :PartC |
| | 7.2.1 :2sD.8. USGS implements by: | USGS | QMP-7.01 | 5 | C | (verified) 5. |
| | 7.2.1 :2sD.9. USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | C | (verified) Att1 :E. 6.2 Mod1 :6.2 Att 1 :J. Att 1 :K. |
| | 7.2.1 :2sE. USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | C | (verified) 5.1.1 :2s 5.4.2.1 5.1 :1s Att 2 :C. |
| | 7.2.1 :2sF. USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) 5.1.1 :3s |

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 (IBR) = Incorporated By Reference

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|------------------------------------|-----------------------------|-------------|----------------------|-----------------------|----------------------------|
| | 7.2.1 :2sF. USGS implements by: | USGS | QMP-4.02 | 5 | C | (verified) 5.1 :2s |
| | 7.2.1 :2sG. USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) 4.2 |
| | | | QMP-4.02 | 5 | | 5. 4.1 5.3 5.4 |
| | | | QMP-7.01 | 5 | | Att 1 :G. 4.1 5. |
| | 7.2.2A. USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) 5.4.2.1 |
| | | | QMP-4.02 | 5 | | 5.2 |
| | | | QMP-7.04 | 1 | | Att 2 :C. 4.2 Att1 |
| | 7.2.2B. :1s USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) Att2 |
| | | | QMP-4.02 | 5 | | 5.4.2.1 |
| | | | QMP-7.04 | 1 | | 5.2 Att 2 4.1 5.1 |
| | 7.2.2B. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.2C.1. USGS implements by: | USGS | QMP-7.04 | 1 | C | (verified) Att1 :pg1#5 |
| | 7.2.2C.2. USGS implements by: | USGS | QMP-7.04 | 1 | C | (verified) Att1 :pg1#3 |
| | 7.2.2C.3. USGS implements by: | USGS | QMP-7.04 | 1 | C | (verified) Att1 |

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 (IBR) = Incorporated By Reference

RTNDB
May 27, 1994 11:01 AM

Requirements Feasibility Network
Requirements Matrix Report
Document owner, id: OQA, DOE/RW-0333P QARD
Revision & Change: 0

Version 2.1
(rt007rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|--------------------------------------|-----------------------------|-------------|----------------------|-----------------------|--|
| | 7.2.2D. USGS implements by: | USGS | QMP-7.04 | 1 | C | (verified) 4.1 5.1.2 5.2.1 :1s and 2s |
| | 7.2.3A. :1s USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) 5.4.1 :1s |
| | 7.2.3A. :2s USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) 5.4.1 :1s 5.4.1.3 :1s |
| | 7.2.3A. :3s1. USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) 5.1.1 :3s 5.4.1 :2sb1 |
| | 7.2.3A. :3s2. USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) 5.1.1 :3s 5.4.1 :2sb3 |
| | 7.2.3A. :3s3. USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) 5.1.1 :3s 5.4.1 :2sb4 |
| | 7.2.3A. :3s4. USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) 5.1.1 :3s 5.4.1 :2sb5 |
| | 7.2.3A. :3s5. USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) 5.1.1 :3s 5.4.1 :2sb6 |
| | 7.2.3A. :3s6. USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) 5.1.1 :3s 5.4.1 :2sb7 |

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RTNDB
 May 24, 1994 11:01 AM

Requirements Capability Network
 Requirements Matrix Report
 Document owner, id: OQA, DOE/RW-0333P QARD
 Revision & Change: 0

Ver: 2.1
 (rt00/rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
|--------------------|--------------------------------------|-----------------------------|----------------------------------|----------------------|-----------------------|---|
| | 7.2.3A. :3s7. USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) 5.1.1 :3s 5.4.1 :2sb8 |
| | 7.2.3B. USGS implements by: | USGS | QMP-4.01 QMP-7.04 | 6 1 | C | (verified) 5.4.1.3 :2s 5.1.3 |
| | 7.2.3C. USGS implements by: | USGS | QMP-7.04 | 1 | C | (verified) 5.1 5.2 5.3 Att1 #3 |
| | 7.2.3D. USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) 5.4.2.1 |
| | 7.2.4A. :1s USGS implements by: | USGS | QMP-4.01 QMP-4.02 QMP-7.04 | 6 5 1 | C | (verified) Att4 :1. :1s Att 1 :0.1. :1s 5.2 Att1 |
| | 7.2.4A. :2s1. USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | C | (verified) Att4 :1. :2sa. Att 1 :0.1. :2s1b |
| | 7.2.4A. :2s2. USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | C | (verified) Att4 :1. :2sb. Att 1 :0.1. :2s2b |
| | 7.2.4A. :2s3. USGS implements by: | USGS | QMP-4.01 QMP-4.02 | 6 5 | C | (verified) Att4 :1. :2sc. Att 1 :H. Att 1 :J. Att 1 :0.1. :2s3b |

~ = Not yet accepted
 (IBR) = Incorporated By Reference

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
|--------------------|--------------------------------------|-----------------------------|-------------|----------------------|-----------------------|--|
| | 7.2.4A. :2s3. USGS implements by: | USGS | QMP-7.01 | 5 | C | (verified) 5.1.1 Att1 :pg1 |
| | 7.2.4A. :2s4. USGS implements by: | USGS | QMP-4.01 | 6 | | (verified) Att4 :1. :2sd. Att5 5.4.2.2 5.8 |
| | | | QMP-4.02 | 5 | | Att 1 :0.1. :2s4b |
| | 7.2.4A. :2s5. USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) Att4 :1. :2se. |
| | | | QMP-4.02 | 5 | | Att 1 :L. Att 1 :M. Att 1 :N. Att 1 :O.1. :2s5b |
| | 7.2.4A. :2s6. USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) Att4 :1. :2sf. |
| | | | QMP-4.02 | 5 | | Att 1 :O.1. :2s6b |
| | | | QMP-7.04 | 1 | | 5.1.1 |
| | 7.2.4B. USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) Att4 :2. |
| | | | QMP-4.02 | 5 | | Att 1 :0.2. |
| | | | QMP-7.04 | 1 | | 5.1.1 :2s |
| | 7.2.4C. :1s USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) Att1 :pg4PartIII :1. |
| | | | QMP-4.02 | 5 | | Att4 :3. :1s thru 2s Att 1 :0.3. :1s thru 2s |
| | 7.2.4C. :2s USGS implements by: | USGS | QMP-4.01 | 6 | C | (verified) Att4 :3. :3s thru 4s |
| | | | QMP-4.02 | 5 | | Att 1 :0.3. :3s thru 4s |
| | | | QMP-7.04 | 1 | | 5.2 |

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 (IBR) = Incorporated By Reference

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
|--------------------|---------------------|-----------------------------|----------------------|----------------------|-----------------------|---------------------------------|
| | 7.2.5A. | | | | C | (verified) Att1 |
| | USGS implements by: | USGS | QMP-7.01 | 5 | | |
| | 7.2.5B. :1s | | | | C | (verified) Att 1 :J. Att1 |
| | USGS implements by: | USGS | QMP-4.02 QMP-7.01 | 5 5 | | |
| | 7.2.5B. :2s | | | | C | (verified) Att1 |
| | USGS implements by: | USGS | QMP-7.01 | 5 | | |
| | 7.2.6A.1. | | | | C | (verified) Att1 |
| | USGS implements by: | USGS | QMP-7.01 | 5 | | |
| | 7.2.6A.2. | | | | C | (verified) Att1 |
| | USGS implements by: | USGS | QMP-7.01 | 5 | | |
| | 7.2.6A.3. | | | | C | (verified) Att1 |
| | USGS implements by: | USGS | QMP-7.01 | 5 | | |
| | 7.2.6A.4. | | | | C | (verified) Att1 |
| | USGS implements by: | USGS | QMP-7.01 | 5 | | |
| | 7.2.6A.5. | | | | C | (verified) Att1 |
| | USGS implements by: | USGS | QMP-7.01 | 5 | | |
| | 7.2.6B. | | | | C | (verified) Att1 :7. |
| | USGS implements by: | USGS | QMP-7.04 | 1 | | |
| | 7.2.6C. :1s | | | | C | (verified) Att1 #7 |
| | USGS implements by: | USGS | QMP-7.04 | 1 | | |
| | 7.2.6C. :2s | | | | C | (verified) Att1 #7 |
| | USGS implements by: | USGS | QMP-7.04 | 1 | | |

~ = Not yet accepted
 (IBR) = Incorporated By Reference

RTNDB
May 24, 1994 11:01 AM

Requirements Feasibility Network
Requirements Matrix Report
Document owner, id: OQA, DOE/RW-0333P QARD
Revision & Change: 0

Ver: 2.1
(script)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|--|-----------------------------|-------------|----------------------|-----------------------|----------------------------------|
| | 7.2.7A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.7B. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.7B. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.7C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.7D. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.7E. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.7F. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.7F. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.8 :1sthru2s USGS implements by: | USGS | QMP-7.04 | 1 | C | (verified) 5.3 :1s 5.3 :2s |
| | 7.2.8A. USGS implements by: | USGS | QMP-7.04 | 1 | C | (verified) 5.3.1 |
| | 7.2.8B. USGS implements by: | USGS | QMP-7.04 | 1 | C | (verified) 5.3.2 |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
|--------------------|---------------------------------------|-----------------------------|-------------|----------------------|-----------------------|----------------------------|
| | 7.2.8C. USGS implements by: | USGS | QMP-7.04 | 1 | C | (verified) 5.3.3 |
| | 7.2.9A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.9B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.9C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.9D. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.9E. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.10 USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.11 USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.11A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.11B. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.11B. :2s1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.11B. :2s2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------------|
| | 7.2.11B. :2s3. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.11B. :2s4. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.11C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.11D. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.12A. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.12A. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.12B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.12C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.12D.1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.12D.2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.12D.3. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 7.2.12D.4. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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RTNDB
May 24, 1994 11:01 AM

Requirements Transparency Network
Requirements Matrix Report
Document owner, id: OQA, DOE/RW-0333P QARD
Revision & Change: 0

Vers 1.1
(rt007rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|------------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------------|
| | 8.2.1A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 8.2.1B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 8.2.2A. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 8.2.2A. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 8.2.2B.1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 8.2.2B.2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 8.2.2B.3. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 8.2.2B.4. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 8.2.3A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 8.2.3B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 8.2.4A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 8.2.4B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

~ = Not yet accepted
(IBR) = Incorporated By Reference

RTNDB
 May 24, 1994 11:01 AM

Requirements Transparency Network
 Requirements Matrix Report
 Document owner, id: OQA, DOE/RW-0333P QARD
 Revision & Change: 0

Vers .1
 (rtw/ipt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|--------------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------------|
| | 8.2.4C. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 8.2.4C. :2s1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 8.2.4C. :2s2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 8.2.4C. :2s3. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 9.2.1A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 9.2.1B.1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 9.2.1B.2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 9.2.1B.3. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 9.2.1C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 9.2.2 :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 9.2.2 :2sA. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 9.2.2 :2sB.1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
|--------------------|--|-----------------------------|-------------|----------------------|-----------------------|----------------------------|
| | 9.2.2. :2sB.2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 9.2.2 :2sC. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 9.2.3A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 9.2.3B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | (Inc. by ref.) OQA ASNT SNT-TC-1A USGS implements by: | USGS | N/A | 0 | | (verified) N/A |
| | (Inc. by ref.) OQA ASNT SNT-TC-1A USGS implements by: | USGS | N/A | 0 | | (verified) N/A |
| | (Inc. by ref.) OQA ASNT SNT-TC-1A USGS implements by: | USGS | N/A | 0 | | (verified) N/A |
| | (Inc. by ref.) OQA ASNT SNT-TC-1A USGS implements by: | USGS | N/A | 0 | | (verified) N/A |
| | (Inc. by ref.) OQA ASNT SNT-TC-1A USGS implements by: | USGS | N/A | 0 | | (verified) N/A |
| | (Inc. by ref.) OQA ASNT SNT-TC-1A USGS implements by: | USGS | N/A | 0 | | (verified) N/A |
| | (Inc. by ref.) OQA ASNT SNT-TC-1A USGS implements by: | USGS | N/A | 0 | | (verified) N/A |
| | (Inc. by ref.) OQA ASNT SNT-TC-1A USGS implements by: | USGS | N/A | 0 | | (verified) N/A |

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 (IBR) = Incorporated By Reference
 51

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|---------------|----------------------|-----------------------|-------------|
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 4.1 :1sthru2s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 4.2 :1s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 4.2 :2s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 4.3(1) :1s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 4.3(1) :2s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 4.3(2) :1s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 4.3(2) :2s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 4.3(2) :3s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 4.3(3) :1s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 4.3(3) :2s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 4.3(3) :3s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 4.3(3) :4s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |

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RTNDB
May 24, 1994 11:01 AM

Requirements 1 Ability Network
Requirements Matrix Report
Document owner, id: OQA, DOE/RW-0333P QARD
Revision & Change: 0

Ver: .1
(rt/1rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|-------------|----------------------|-----------------------|-------------|
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 5.1 | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 5.2 | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 6.1 | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 6.2 | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 6.3 | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 6.3.1 | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 6.3.2(1) | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 6.3.2(2) | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 6.3.2(3) | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 6.3.2 :1p | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 7.1 | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 7.2 | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |

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53

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|--|-----------------------------|---------------------|----------------------|-----------------------|-------------|
| 0 | (Inc. by ref.) OQA ASNT SNT-TC-1A USGS implements by: | USGS | 7.2.1 N/A | 0 | (verified) N/A | |
| | (Inc. by ref.) OQA ASNT SNT-TC-1A USGS implements by: | USGS | 8.1 :1s N/A | 0 | (verified) N/A | |
| | (Inc. by ref.) OQA ASNT SNT-TC-1A USGS implements by: | USGS | 8.1 :2s N/A | 0 | (verified) N/A | |
| | (Inc. by ref.) OQA ASNT SNT-TC-1A USGS implements by: | USGS | 8.1.1(1) :1s N/A | 0 | (verified) N/A | |
| | (Inc. by ref.) OQA ASNT SNT-TC-1A USGS implements by: | USGS | 8.1.1(1) :2s N/A | 0 | (verified) N/A | |
| | (Inc. by ref.) OQA ASNT SNT-TC-1A USGS implements by: | USGS | 8.1.1(2) N/A | 0 | (verified) N/A | |
| | (Inc. by ref.) OQA ASNT SNT-TC-1A USGS implements by: | USGS | 8.1.1(3) N/A | 0 | (verified) N/A | |
| | (Inc. by ref.) OQA ASNT SNT-TC-1A USGS implements by: | USGS | 8.1.1(4) N/A | 0 | (verified) N/A | |
| | (Inc. by ref.) OQA ASNT SNT-TC-1A USGS implements by: | USGS | 8.1.1(5) N/A | 0 | (verified) N/A | |
| | (Inc. by ref.) OQA ASNT SNT-TC-1A USGS implements by: | USGS | 8.1.2(1) N/A | 0 | (verified) N/A | |
| | (Inc. by ref.) OQA ASNT SNT-TC-1A USGS implements by: | USGS | 8.1.2(2) N/A | 0 | (verified) N/A | |
| | (Inc. by ref.) OQA ASNT SNT-TC-1A USGS implements by: | USGS | 8.1.2(3) N/A | 0 | (verified) N/A | |

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 54

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|---------------|----------------------|-----------------------|-------------|
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.1.3(1) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.1.3(2) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.1.4(1) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.1.4(2) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.1.4(3) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.1.5 | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.2 | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.3 :1sthru2s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.3 :3s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.3.1(1) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.3.1(2) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.3.1(3) :1s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |

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 (IBR) = Incorporated By Reference
 55

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|--------------|----------------------|-----------------------|-------------|
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.3.1(3) :2s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.3.2(1) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.3.2(2) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.3.2(3) :1s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.3.2(3) :2s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.3.3(1) (a) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.3.3(1) (b) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.3.3(1) (c) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.3.3(2) (a) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.3.3(2) (b) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.3.3(2) (c) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.3.3(3) (a) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |

~ = Not yet accepted
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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|------------------|----------------------|-----------------------|-------------|
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.3.4 :1s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.3.4 :2s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.4.1 :1s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.4.1 :2s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.4.1 :3s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.4.1 :4s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.4.2 :1s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.4.2 :2s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.4.2 :3s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.4.3 :1s | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.4.3 :2s(1) (a) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.4.3 :2s(1) (b) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |

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57

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|-----------------|----------------------|-----------------------|-------------|
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.4.3 :2s(1)(c) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.4.3 :2s(2)(a) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.4.3 :2s(2)(b) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.4.3 :2s(2)(c) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.4.3 :2s(3)(a) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.4.3 :2s(3)(b) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.4.3 :2s(3)(c) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.4.3 :2s(4) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.4.4 | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.4.5 | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 8.5(1) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 9.1 | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |

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 58

RTNDB
 May 24, 1994 11:01 AM

Requirements T...ability Network
 Requirements Matrix Report
 Document owner, id: OQA, DOE/RW-0333P QARD
 Revision & Change: 0

Version 1
 (rtw07rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|-------------|----------------------|-----------------------|-------------|
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 9.2 | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 9.3 | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 9.4 :1s | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 9.4 :2s | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 9.5 | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 9.6 | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 9.6.1(1) | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 9.6.1(2) | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 9.6.1(3) | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 9.6.1(4) | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 9.6.1(5) | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | 9.6.1(6) | | | (verified) | |
| | USGS implements by: | | | | N/A | |
| | | USGS | N/A | 0 | | |

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 59

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|-------------|----------------------|-----------------------|-------------|
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 9.6.1(7) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 9.6.1(8) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 9.6.1(9) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 9.6.1(10) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 9.7.1(1) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 9.7.1(2) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 9.7.2 | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 9.7.3 | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 10.1 | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 10.2(1) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 10.2(2) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |
| (Inc. by ref.) | OQA ASNT SNT-TC-1A | USGS | 10.2(3) | 0 | (verified) | N/A |
| | USGS implements by: | USGS | N/A | | | |

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 60

RTNDB
May 24, 1994 11:01 AM

Requirements T...ability Network
Requirements Matrix Report
Document owner, id: OQA, DOE/RW-0333P QARD
Revision & Change: 0

Vers...1
(rtv07rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------------|
| | 9.2.3C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.1A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.1B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.1C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.1D. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.1E. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.1F. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.1G. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.1H. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.1I. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.2A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.2B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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RTNDB
May 24, 1994 11:01 AM

Requirements Transparency Network
Requirements Matrix Report
Document owner, id: OQA, DOE/RW-0333P QARD
Revision & Change: 0

Version 1
(rtw/rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|-------------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------------|
| | 10.2.2C. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.2C. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.3A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.3B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.4. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.5A. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.5A. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.5B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.5C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.5D. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.6A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.6B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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RTNDB
May 24, 1994 11:01 AM

Requirements Transparency Network
Requirements Matrix Report
Document owner, id: OQA, DOE/RW-0333P QARD
Revision & Change: 0

Version .1
(receipt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------------|
| | 10.2.6C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.6D. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.7A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.7B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.8A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.8B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.8C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.8D. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.8E. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.8F. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.8G. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.8H. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|-------------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------------|
| | 10.2.8I. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9A. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9A. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9B. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9B. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9C.1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9C.2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9C.3. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9C.3.a. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9C.3.b. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9D. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9D. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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RTNDB
May 24, 1994 11:01 AM

Requirements T...ability Network
Requirements Matrix Report
Document owner, id: OQA, DOE/RW-0333P QARD
Revision & Change: 0

Vers .1
(rt.../tpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---|-----------------------------|-------------|----------------------|-----------------------|-------------------|
| | 10.2.9D.1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9D.2. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9D.2. :2sa. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9D.2. :2sb. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9D.2. :2sc. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9D.2. :2sd. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9D.2. :2se. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9D.3. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9D.3. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9E. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9E. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9E.1.a. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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RTNDB
May 24, 1994 11:01 AM

Requirements T...ability Network
Requirements Matrix Report
Document owner, id: OQA, DOE/RW-0333P QARD
Revision & Change: 0

Vers .1
(rt007rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|-------------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------------|
| | 10.2.9E.1.b. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9E.1.c. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9E.2.a. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9E.2.b. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9E.2.c. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9E.2.d. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9E.3.a. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9E.3.b. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9E.3.c. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9E.3.d. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9F. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9G. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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RTNDB
 May 24, 1994 11:01 AM

Requirements T...ability Network
 Requirements Matrix Report
 Document owner, id: OQA, DOE/RW-0333P QARD
 Revision & Change: 0

Ver: .1
 (rtv07rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
|--------------------|---------------------------------------|-----------------------------|-------------|----------------------|-----------------------|----------------------------|
| | 10.2.9G. :2s1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9G. :2s2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9G. :2s3. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9G. :2s4. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9G. :2s5. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9G. :2s6. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9G. :2s7. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9G. :2s8. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9H.1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9H.1.a. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9H.1.b. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9H.2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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RTNDB
May 24, 1994 11:01 AM

Requirements Usability Network
Requirements Matrix Report
Document owner, id: OQA, DOE/RW-0333P QARD
Revision & Change: 0

Ver: 2.1
(rt007rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---|-----------------------------|-------------|----------------------|-----------------------|-------------------|
| | 10.2.9I.1. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9I.1. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9I.2.a. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9I.2.a. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9I.2.b. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9I.2.b. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9I.2.c. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9I.2.d. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 10.2.9I.2.d. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.1 :2p USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.1 :3p USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.1A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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RTNDB
May 24, 1994 11:01 AM

Requirements Availability Network
Requirements Matrix Report
Document owner, id: OQA, DOE/RW-0333P QARD
Revision & Change: 0

Ver: 1.1
(rev07rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------------|
| | 11.2.1B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.1C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.1D. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.1E. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.1F. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.1G. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.1H. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.1I. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.2A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.2B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.2C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.2D. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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RTNDE
May 24, 1994 11:01 AM

Requirements 7 eability Network
Requirements Matrix Report
Document owner, id: OQA, DOE/RW-0333P QARD
Revision & Change: 0

Ver: 1.1
(rt07rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
|--------------------|-------------------------------------|-----------------------------|-------------|----------------------|-----------------------|----------------------------|
| | 11.2.2E. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.2E. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.3A. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.3A. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.3B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.4A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.4B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.5A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.5B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.5C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.5D. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.5E. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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 May 24, 1994 11:01 AM

Requirements T...ability Network
 Requirements Matrix Report
 Document owner, id: OQA, DOE/RW-0333P QARD
 Revision & Change: 0

Vers...1
 (rt007rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------------------------|-----------------------------|-------------|----------------------|-----------------------|--|
| | 11.2.5F. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.5G. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.5H. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.5I. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 11.2.6 USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 12.2.1A. :1s USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) 2.0 :1s 5.1.2 :1s 5.1.10 :1s |
| | 12.2.1A. :2s USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) 5.1.10 :2s 5.1.10 :3s |
| | 12.2.1B. USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) Mod1 :5.1.11 :1s |
| | 12.2.1B.1. USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) Mod1 :5.1.11 :2s |
| | 12.2.1B.2. :1s USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) Mod1 :5.1.11 :3s |
| | 12.2.1B.2. :2s USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) Mod1 :5.1.11 :3s |

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RTNDB
May 24, 1994 11:01 AM

Requirements Availability Network
Requirements Matrix Report
Document owner, id: OQA, DOE/RW-0333P QARD
Revision & Change: 0

Ver: 2.1
(rev07rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
|--------------------|-------------------------------------|-----------------------------|----------------------|----------------------|-----------------------|---|
| | 12.2.1C. :1s USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) 5.1.5 :1s |
| | 12.2.1C. :2s USGS implements by: | USGS | N/A | 0 | E E | (verified) N/A |
| | 12.2.1D. USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) 5.1.7 |
| | 12.2.1E. USGS implements by: | USGS | QMP-12.01 | 6 | | (verified) 5.3.2 :1s 5.3.3 |
| | 12.2.1F. USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) 5.3.1 |
| | 12.2.2 :1s USGS implements by: | USGS | QMP-5.01 QMP-5.05 | 5 4 | C | (verified) Modl :5.1 :2sj 5.6.2 :1b |
| | 12.2.2 :2s USGS implements by: | USGS | QMP-5.01 QMP-5.05 | 5 4 | C | (verified) Modl :5.1 :2sj 5.6.2 :1b |
| | 12.2.3A.1. USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) 5.1.2 :1s 5.5.1 :3bullet |
| | 12.2.3A.2. USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) 5.1.7 5.5.1 :4bullet |
| | 12.2.3B. :1s USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) 5.1.8 |

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RTNDB
 May 24, 1994 11:01 AM

Requirements Availability Network
 Requirements Matrix Report
 Document owner, id: OQA, DOE/RW-0333P QARD
 Revision & Change: 0

Ver: 2.1
 (rev07rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---|-----------------------------|-------------|----------------------|-----------------------|--|
| | 12.2.3B. :1s USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) Mod1 :5.5.1 :2s |
| | 12.2.3B. :2s1. USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) Mod1 :5.5.1 :2s |
| | 12.2.3B. :2s2. USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) 5.5.2 :1s thru 4s |
| | 12.2.3B. :2s2.a. USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) 5.5.2 :4s |
| | 12.2.3B. :2s2.b. USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) Mod1 :5.5.2 :5s |
| | 12.2.3C. USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) 5.1.8 |
| | 12.2.4 USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) 5.1.13 |
| | 12.2.5 USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) 5.1.2 :2s |
| | 12.2.6A. USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) 5.2.1 :2 5.2.2 :2 |
| | 12.2.6B. USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) 5.2.1 :3s1 thru s2 Mod1 :5.2.2 :3s1 thru s2 |
| | 12.2.6C. USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) 5.2.1 :6s1 |

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RTNDB
 May 24, 1994 11:01 AM

Requirements T eamability Network
 Requirements Matrix Report
 Document owner, id: OQA, DOE/RW-0333P QARD
 Revision & Change: 0

Ver: .1
 (rtv07rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------------------|-----------------------------|------------------------|----------------------|-----------------------|---|
| | 12.2.6C. USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) 5.2.2 :5s1 |
| | 12.2.6D. USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) 5.2.1 :7s1 5.2.2 :6s1 |
| | 12.2.6E. USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) 5.2.1 :5s1 thru s2 5.2.2 :4s1 |
| | 12.2.6F. USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) 5.1.12 |
| | 12.2.6G. USGS implements by: | USGS | QMP-12.01 QMP-16.04 | 6 0 | C | (verified) Mod1 :5.5.1 :1s Mod1 :5.5.2 :5s 5.7 |
| | 12.2.6H. USGS implements by: | USGS | QMP-12.01 | 6 | C | (verified) 5.1.3 :2s Mod1 :5.2.2 :3 5.2 :4 |
| | 13.2.1A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 13.2.1B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 13.2.2A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 13.2.2B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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RTNDB
May 24, 1994 11:01 AM

Requirements Capability Network
Requirements Matrix Report
Document owner, id: OQA, DOE/RW-0333P QARD
Revision & Change: 0

Ver: 1.1
(rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
|--------------------|---------------------------------|-----------------------------|-------------|----------------------|-----------------------|----------------------------|
| | 13.2.2C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 13.2.2D. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 13.2.2E. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 13.2.3A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 13.2.3B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 14.2.1A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 14.2.1B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 14.2.2A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 14.2.2B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 14.2.2C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 14.2.2D. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 14.2.2E. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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May 24, 1994 11:01 AM

Requirements T...ability Network
Requirements Matrix Report
Document owner, id: OQA, DOE/RW-0333P QARD
Revision & Change: 0

Ver...1
(rt...rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|-------------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------------|
| | 15.2.1A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 15.2.1B. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 15.2.1B. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 15.2.1B. :3s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 15.2.1C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 15.2.1D. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 15.2.1E. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 15.2.1F. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 15.2.2A. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 15.2.2A. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 15.2.2B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 15.2.3A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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 May 24, 1994 11:01 AM

Requirements Traceability Network
 Requirements Matrix Report
 Document owner, id: OQA, DOE/RW-0333P QARD
 Revision & Change: 0

Version 1.1
 (rt007rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
|--------------------|-------------------------------------|-----------------------------|-------------|----------------------|-----------------------|------------------------------|
| | 15.2.3B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 15.2.4A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 15.2.4B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 15.2.4C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 15.2.4C.1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 15.2.4C.2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 15.2.4D. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 15.2.4D. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 15.2.5 USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 16.2.1 USGS implements by: | USGS | QMP-16.04 | 0 | C | (verified) 5. :1s thru 3s |
| | 16.2.2A. USGS implements by: | USGS | QMP-16.04 | 0 | C | (verified) 5.3 5.3.1 |

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RTNDB
 May 24, 1994 11:01 AM

Requirements T...ability Network
 Requirements Matrix Report
 Document owner, id: OQA, DOE/RW-0333P QARD
 Revision & Change: 0

Vers...1
 (rt...rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|-----------------------------------|-----------------------------|------------------------|----------------------|-----------------------|---|
| | 16.2.2A. USGS implements by: | USGS | QMP-16.04 | 0 | C | (verified) 5.3.2 5.3.3 |
| | 16.2.2B.1. USGS implements by: | USGS | QMP-16.04 | 0 | C | (verified) 5.3.2 5.3.3 |
| | 16.2.2B.2. USGS implements by: | USGS | QMP-16.04 | 0 | C | (verified) 5.3.1 |
| | 16.2.3A. USGS implements by: | USGS | QMP-16.03 QMP-16.04 | 3 0 | C | (verified) 5.1 5. :2s 5.1.3 5.5 |
| | 16.2.3B. USGS implements by: | USGS | QMP-16.04 | 0 | C | (verified) 5.3 :3s 5.3.1 :4s 5.3.2 :3s 5.3.3 :2s 5.7 :1s thru 2s |
| | 16.2.3C. USGS implements by: | USGS | QMP-16.04 | 0 | C | (verified) 5.3 :3s 5.3.2 :3s 5.3.3 :2s 5.7 :1s thru 2s 5.8 :1s thru 2s 5.10 |
| | 16.2.3D. USGS implements by: | USGS | QMP-16.04 | 0 | C | (verified) 5.8 :1s thru 2s 5.8.1 :1s |
| | 16.2.4A. USGS implements by: | USGS | QMP-16.04 | 0 | C | (verified) 5.3.1 :1s thru 3s |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
|--------------------|-------------------------------------|-----------------------------|------------------------|----------------------|-----------------------|---|
| | 16.2.4B. USGS implements by: | USGS | QMP-16.03 QMP-16.04 | 3 0 | C | (verified) 5.1 5. :2s 5.1.3 5.5 :1s thru 2s |
| | 16.2.4C. USGS implements by: | USGS | QMP-16.04 | 0 | C | (verified) 5.3.1 :5s thru 6s |
| | 16.2.4C.1. USGS implements by: | USGS | QMP-16.02 | 0 | C | (verified) 5.3.2 :1s 5.3.2.2 :1s |
| | 16.2.4C.2. USGS implements by: | USGS | QMP-16.02 | 0 | C | (verified) 5.5 :1s 5.5.1 :1s |
| | 16.2.4D. USGS implements by: | USGS | QMP-16.04 | 0 | C | (verified) 5.3 :3s 5.3.1 :4s 5.7 :1s thru 3s |
| | 16.2.4E. :1s USGS implements by: | USGS | QMP-16.04 | 0 | C | (verified) 5.3 :3s 5.3.1 :4s 5.7 :1s thru 2s 5.7 :5s 5.9 5.10 :1s |
| | 16.2.4E. :2s USGS implements by: | USGS | QMP-16.04 | 0 | C | (verified) 5.3 :3s 5.3.1 :4s 5.7 :1s thru 2s 5.7 :5s 5.8 5.9 |

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 79

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|-------------------------------------|-----------------------------|-------------|----------------------|-----------------------|--|
| | 16.2.4E. :2s USGS implements by: | USGS | QMP-16.04 | 0 | C | (verified) 5.10 :1s |
| | 16.2.4F. USGS implements by: | USGS | QMP-16.04 | 0 | C | (verified) 5.8 :1s thru 2s 5.8.1 :1s |
| | 16.2.5 USGS implements by: | USGS | QMP-16.04 | 0 | C | (verified) 5.12 :1s thru 2s 5.12.1 :1s 5.12.2 :1s 5.12.3 :1s |
| | 16.2.6A. USGS implements by: | USGS | QMP-16.03 | 3 | C | (verified) 3.1 |
| | 16.2.6B. USGS implements by: | USGS | QMP-16.03 | 3 | C | (verified) 5.3 5.4 :2sbullet1 |
| | 16.2.6C. USGS implements by: | USGS | QMP-16.03 | 3 | C | (verified) 5.3 :1s |
| | 16.2.6D. USGS implements by: | USGS | QMP-16.03 | 3 | C | (verified) 5.3 :2s |
| | 17.2.1 USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.6 :3s |
| | 17.2.1A.1. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.6 :3s |
| | 17.2.1A.2. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.6 :3s |

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 (IBR) = Incorporated By Reference
 80

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|-----------------------------------|-----------------------------|-----------------------------------|----------------------|-----------------------|--|
| | 17.2.1A.3. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.6 :3s |
| | 17.2.1A.4. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.6 :3s |
| | 17.2.1A.5. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.6 :3s |
| | 17.2.1A.6. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.6 :3s |
| | 17.2.1A.7. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.6 :3s |
| | 17.2.1B. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.6 :3s |
| | 17.2.2A.1. USGS implements by: | USGS | QMP-17.01 QMP-5.03 | 6 8 | C | (verified) 5.2.1 :1s 5.2.2 :3s6. :3s |
| | 17.2.2A.2. USGS implements by: | USGS | QMP-17.01 QMP-5.01 QMP-5.03 | 6 5 8 | C | (verified) 5.2.1 :2s Mod1 :5.1 :2s1 5.2.2 :3s6. :4s |
| | 17.2.2B. USGS implements by: | USGS | QMP-17.01 | 6 | C | (verified) 5.2.5 5.2.6 :1s 5.2.8 5.5 |
| | 17.2.2C. USGS implements by: | USGS | QMP-17.01 | 6 | C | (verified) 5.2.3 thru 5.2.3b |

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 81

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
|--------------------|---------------------------------------|-----------------------------|------------------------|----------------------|-----------------------|---------------------------------------|
| | 17.2.2C. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.5 :1s |
| | 17.2.2D. :1s USGS implements by: | USGS | QMP-17.01 | 6 | C | (verified) 5.2.2 |
| | 17.2.2D. :2s USGS implements by: | USGS | QMP-17.01 | 6 | C | (verified) 5.1.7 5.1.9 5.2.2 |
| | 17.2.2E. USGS implements by: | USGS | QMP-17.01 QMP-17.03 | 6 1 | C | (verified) 5.3 :2s 5.3 :1s |
| | 17.2.3A. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 4.4 5.0 |
| | 17.2.3B. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.5 |
| | 17.2.3C. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.2.2 |
| | 17.2.3D. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.1 |
| | 17.2.3E. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 17.2.3E. :2s1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 17.2.3E. :2s2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement | | | | | | | |
|--------------------|---------------------------------------|-----------------------------|-------------|----------------------|-----------------------|---|--|--|--|-----------|---|--|-------------------------|
| | 17.2.3E. :2s3. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A | | | | | | | |
| | 17.2.3F. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.5.5 :1s | | | | | | | |
| | 17.2.4A. USGS implements by: | USGS | QMP-17.01 | 6 | C | (verified) 5.2.8.1 :1s 5.2.8.1 :4s 5.5 :3s | | | | | | | |
| | 17.2.4B. USGS implements by: | USGS | QMP-17.01 | 6 | C | (verified) 5.5 :2s | | | | | | | |
| | 17.2.5A.1. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.5.5 | | | | | | | |
| | 17.2.5A.2. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.5.5 :2s | | | | | | | |
| | 17.2.5A.3. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.1 | | | | | | | |
| | 17.2.5A.4. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.1 | | | | | | | |
| | 17.2.5A.5. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.2.2 | | | | | | | |
| | 17.2.5A.6. USGS implements by: | USGS | QMP-17.01 | 6 | C | (verified) 5.6 | | | | QMP-17.03 | 1 | | 5.6.1 5.4.3 5.5.2 |
| | | | QMP-17.03 | 1 | | 5.6.1 5.4.3 5.5.2 | | | | | | | |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------------------------|-----------------------------|------------------------|----------------------|-----------------------|------------------------------------|
| | 17.2.5A.7. USGS implements by: | USGS | QMP-17.01 | 6 | C | (verified) 5.5 |
| | 17.2.5B.1. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.5.5 |
| | 17.2.5B.2. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.5.1 :2s |
| | 17.2.5B.3. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.5.1 :1s |
| | 17.2.5B.4. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.5.2 |
| | 17.2.6A. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.4 :1s |
| | 17.2.6B. :1s USGS implements by: | USGS | QMP-17.01 QMP-17.03 | 6 1 | C | (verified) 5.6 :1s 5.5.2 :1s |
| | 17.2.6B. :2s USGS implements by: | USGS | QMP-17.01 QMP-17.03 | 6 1 | C | (verified) 5.6 :2s 5.5.2 :2s |
| | 17.2.7A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 17.2.7B. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 17.2.7B. :2s1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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 84

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------------------------|-----------------------------|-------------|----------------------|-----------------------|-----------------------|
| | 17.2.7B. :2s2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 17.2.7B. :2s3. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 17.2.8A. :1s USGS implements by: | USGS | QMP-17.01 | 6 | C | (verified) 5.3.2.1 |
| | 17.2.8A. :2s USGS implements by: | USGS | QMP-17.01 | 6 | C | (verified) 5.3.2.3 |
| | 17.2.8B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 17.2.8C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 17.2.9A.1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 17.2.9A.2. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 17.2.9A.2. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 17.2.9A.3. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 17.2.9A.4. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 17.2.9A.5. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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 85

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------------------|
| | 17.2.9A.6. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 17.2.9A.7. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 17.2.9A.8. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 17.2.9A.9. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 17.2.9A.9. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 17.2.9B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 17.2.9C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 17.2.9D. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 17.2.10A. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.5.4 :1s |
| | 17.2.10B. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.5.4 :1s |
| | 17.2.10C. USGS implements by: | USGS | QMP-17.03 | 1 | C | (verified) 5.5.4 :2s |
| | 17.2.11 USGS implements by: | USGS | QMP-17.01 | 6 | C | (verified) 5.2.6 :2p |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|-------------|----------------------|-----------------------|----------------------------------|
| | 17.2.11 | | | | | |
| | USGS implements by: | USGS | QMP-17.01 | 6 | C | (verified) 5.2.9 5.2.10 |
| | 18.2.1A. | | | | | |
| | USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.1.1 :1s |
| | 18.2.1B. | | | | | |
| | USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.1.1 :1s |
| | 18.2.1C. | | | | | |
| | USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.1.1 :1s |
| | 18.2.1D. | | | | | |
| | USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.1.1 :2s |
| | 18.2.1E. | | | | | |
| | USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) MOD1 5.1.1 :3s |
| | 18.2.1F. | | | | | |
| | USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.1.1.2 :1s |
| | 18.2.2A. :1s | | | | | |
| | USGS implements by: | USGS | QMP-7.04 | 1 | C | (verified) 5.2 :3s 5.2 :4s |
| | 18.2.2A. :2s | | | | | |
| | USGS implements by: | USGS | QMP-7.04 | 1 | C | (verified) 5.2 :3s |
| | 18.2.2B. :1s | | | | | |
| | USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 18.2.2B. :2s | | | | | |
| | USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | Implementing document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
|--------------------|---------------------------------------|-----------------------------|--------------------------|----------------------|-----------------------|--------------------------------------|
| | 18.2.2C. :1s USGS implements by: | USGS | QMP-18.01 QMP-7.04 | 7 1 | C | (verified) 5.1.2 :1s 5.4 :1s |
| | 18.2.2C. :2s USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.1.2 :2s |
| | 18.2.2D. USGS implements by: | USGS | QMP-18.01 QMP-7.04 | 7 1 | C | (verified) 5.1.2 :5s 5.4 :2s |
| | 18.2.2E. :1s USGS implements by: | USGS | QMP-7.04 | 1 | C | (verified) 5.2 :4s |
| | 18.2.2E. :2s1. USGS implements by: | USGS | QMP-7.04 | 1 | C | (verified) 5.2 :5s2b Att1 #6 |
| | 18.2.2E. :2s2. USGS implements by: | USGS | QMP-7.04 | 1 | C | (verified) 5.2 :5s3b |
| | 18.2.2E. :2s3. USGS implements by: | USGS | QMP-7.04 | 1 | C | (verified) 5.2 :5s4b Att1 #5 |
| | 18.2.2E. :2s4. USGS implements by: | USGS | QMP-7.04 | 1 | C | (verified) 5.2 :5s5b |
| | 18.2.2F. USGS implements by: | USGS | QMP-7.04 | 1 | C | (verified) 5.4 :3s |
| | 18.2.3. USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.1.3 :1s 5.1.3 :3s |

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 88

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|-------------------------------------|-----------------------------|-------------|----------------------|-----------------------|---|
| | 18.2.4A. :1s USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.3 :1s |
| | 18.2.4A. :2s USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.3.1 :1s |
| | 18.2.4A. :3s USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.4.1 :3s |
| | 18.2.4B. USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.3.1 :2s |
| | 18.2.5 :1s USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.2 :1s |
| | 18.2.5 :2s USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.2 :2s |
| | 18.2.6A. :1s USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.2.2 :1s |
| | 18.2.6A. :2s USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.2 :3s |
| | 18.2.6B. USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 3.2 :1s 4.2 :1s 5.2 :3s 5.5 :1s 5.5.3 :1s |
| | 18.2.6C. USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.2.1 :1s |
| | 18.2.6D. :1s USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.2 :3s |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | Implementing document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
|--------------------|---------------------|-----------------------------|--------------------------|----------------------|-----------------------|----------------------------|
| | 18.2.6D. :2s | | | | | |
| | USGS implements by: | | | | C | (verified) |
| | | USGS | QMP-18.01 | 7 | | 5.2.1 :1s |
| | | | QMP-2.05 | 4 | | 5.1 |
| | 18.2.6E. | | | | | |
| | USGS implements by: | | | | C | (verified) |
| | | USGS | QMP-18.01 | 7 | | 5.2 :4s |
| | 18.2.6F. | | | | | |
| | USGS implements by: | | | | C | (verified) |
| | | USGS | QMP-18.01 | 7 | | 5.2.2 :1s |
| | | | QMP-2.05 | 4 | | 5.1 |
| | 18.2.7A. | | | | | |
| | USGS implements by: | | | | C | (verified) |
| | | USGS | QMP-18.01 | 7 | | 5.2.1 :1s |
| | | | | | | 5.2.1 :2s |
| | | | | | | 5.2.2 :1s |
| | 18.2.7B. | | | | | |
| | USGS implements by: | | | | C | (verified) |
| | | USGS | QMP-18.01 | 7 | | 5.4 :1s |
| | | | | | | 5.5.3 :1s |
| | 18.2.7C. | | | | | |
| | USGS implements by: | | | | C | (verified) |
| | | USGS | QMP-18.01 | 7 | | 5.4.1 :1s |
| | 18.2.7D. | | | | | |
| | USGS implements by: | | | | C | (verified) |
| | | USGS | QMP-18.01 | 7 | | 5.4.2 :1s |
| | 18.2.7E. :1s | | | | | |
| | USGS implements by: | | | | C | (verified) |
| | | USGS | QMP-18.01 | 7 | | 5.5.2 :1s |
| | | | | | | 5.5.4 :1s |
| | | | | | | 5.6.2 |
| | 18.2.7E. :2s | | | | | |
| | USGS implements by: | | | | C | (verified) |
| | | USGS | QMP-18.01 | 7 | | 5.5.4 :2s |
| | 18.2.7F. | | | | | |
| | USGS implements by: | | | | C | (verified) |
| | | USGS | QMP-18.01 | 7 | | 5.7 :1s |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|-------------|----------------------|-----------------------|--|
| | 18.2.7G. | | | | | |
| | USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | 18.2.8 :1s | | | | | |
| | USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.6 :1s 5.6.2 :1s thru 2s |
| | 18.2.8 :2sA. | | | | | |
| | USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.6 :1s Att 4 |
| | 18.2.8 :2sB. | | | | | |
| | USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.6 :1s Att 4 |
| | 18.2.8 :2sC. | | | | | |
| | USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.6 :1s Att 4 |
| | 18.2.8 :2sD. | | | | | |
| | USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.6 :1s Att 4 |
| | 18.2.8 :2sE. | | | | | |
| | USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.6 :1s Att 4 |
| | 18.2.8 :2sF. | | | | | |
| | USGS implements by: | USGS | QMP-18.01 | 7 | C | (verified) 5.6 :1s Att 4 |
| | 18.2.9 | | | | | |
| | USGS implements by: | USGS | QMP-16.04 | 0 | C | (verified) 5.7 Att1 :Part II Att1 :Part III |

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|-------------|----------------------|-----------------------|-------------|
| | 18.2.9 | | | | C | (verified) |
| | USGS implements by: | USGS | QMP-16.04 | 0 | | Att2 |
| | | | QMP-18.01 | 7 | | 5.7 :1s |
| | | | QMP-7.04 | 1 | | 5.2.2 |
| | | | | | | 5.2.2.3 |
| | 18.2.10 | | | | C | (verified) |
| | USGS implements by: | USGS | QMP-16.04 | 0 | | 5.8 |
| | | | QMP-18.01 | 7 | | 5.7 :1s |
| | | | QMP-7.04 | 1 | | 5.2.2.3 |
| | 18.2.11 | | | | C | (verified) |
| | USGS implements by: | USGS | QMP-16.04 | 0 | | 5.12.1 |
| | | | QMP-18.01 | 7 | | 5.7 :1s |
| | | | QMP-7.04 | 1 | | 5.2.2.3 :5s |
| | 18.2.12 | | | | C | (verified) |
| | USGS implements by: | USGS | QMP-2.05 | 4 | | MOD1 5.1.3 |
| | 18.2.13 :1s | | | | C | (verified) |
| | USGS implements by: | USGS | QMP-2.05 | 4 | | 5.1 |
| | 18.2.13 :2sA. | | | | C | (verified) |
| | USGS implements by: | USGS | QMP-2.05 | 4 | | 5.1.2a |
| | 18.2.13 :2sB. | | | | C | (verified) |
| | USGS implements by: | USGS | QMP-2.05 | 4 | | 5.1.2b: 1s |
| | 18.2.13 :2sB.1. | | | | C | (verified) |
| | USGS implements by: | USGS | QMP-2.05 | 4 | | 5.1.2b :2s |
| | 18.2.13 :2sB.2. | | | | C | (verified) |
| | USGS implements by: | USGS | QMP-2.05 | 4 | | 5.1.2b :3s |
| | 18.2.13 :2sC.1s | | | | C | (verified) |
| | USGS implements by: | USGS | QMP-2.05 | 4 | | 5.1.2c :1s |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|--|-----------------------------|-------------|----------------------|-----------------------|--|
| | 18.2.13 :2sC.2s USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.1.2c :2s |
| | 18.2.14A. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2 :2s |
| | 18.2.14B. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2 :3s 5.2.1 5.2.2 5.2.3 5.2.4 5.2.5 |
| | 18.2.15A.1. :1s USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.1a |
| | 18.2.15A.1. :2s USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.1a |
| | 18.2.15A.2. :1s USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.1a |
| | 18.2.15A.2. :2s USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.1a |
| | 18.2.15B. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.1b |
| | 18.2.15B.1. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.1b |
| | 18.2.15B.2. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.1b |

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 93

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|--|-----------------------------|-------------|----------------------|-----------------------|--------------------------|
| | 18.2.15B.3. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.1b |
| | 18.2.15B.4. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.1b |
| | 18.2.15B.5. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.1b |
| | 18.2.15C. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.1c |
| | 18.2.15D. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.1d |
| | 18.2.16 :1s USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.2 :1s |
| | 18.2.16 :2s USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.2 :2s |
| | 18.2.17A. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.3 :1s |
| | 18.2.17B. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.3 :2s |
| | 18.2.17B.1. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.3 :2sa |
| | 18.2.17B.2. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.3 :2sb |
| | 18.2.17B.3. :1s USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.3 :2sc |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|--|-----------------------------|-------------|----------------------|-----------------------|--------------------------------|
| | 18.2.17B.3. :2s USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.3 :2sc |
| | 18.2.17B.4. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.3 :2sd |
| | 18.2.17B.5. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.3 :2se |
| | 18.2.18 :1s USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.4 :1s |
| | 18.2.18 :2s USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.4 :2s |
| | 18.2.19A. :1s USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.5 :1s |
| | 18.2.19A. :2s USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.5 :2s |
| | 18.2.19B. :1s USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 4.1 |
| | 18.2.19B. :2s1. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.5 :3s 6.2 |
| | 18.2.19B. :2s2. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 6.2 |
| | 18.2.20 :1s USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2 :1s |

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 95

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|--------------------------------------|-----------------------------|-------------|----------------------|-----------------------|---|
| | 18.2.20 :1s USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) Att 1 |
| | 18.2.20 :2sA. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) Att 1 |
| | 18.2.20 :2sB. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) Att 1 |
| | 18.2.20 :2sC. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) Att 1 |
| | 18.2.20 :2sD. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) Att 1 |
| | 18.2.20 :2sE. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) Att 1 |
| | 18.2.21A.1. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.6 :2s Att 2 |
| | 18.2.21A.2. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.6 :2s Att 2 |
| | 18.2.21A.3. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.6 :2s Att 2 |
| | 18.2.21B. :1s USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.6 :1s 5.2.6 :2s Att 2 |

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 96

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|--|-----------------------------|-------------|----------------------|-----------------------|---|
| | 18.2.21B. :2s USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.6 :2s 5.2.6 :3s Att 2 |
| | 18.2.21B. :3s USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.6 :2s |
| | 18.2.21C. USGS implements by: | USGS | QMP-2.05 | 4 | C | (verified) 5.2.6 :4s |
| | I.1 (NOT A REQUIREMENT) USGS implements by: | USGS | N/A | 0 | | (verified) N/A |
| | I.2.1A. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 1. :1s 1. :2s 2. :1s 5.1 :2s |
| | I.2.1A.1. :1s USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 5.1.1 :2s Mod1 5.1.2 :2s 5.1.3 :2s |
| | I.2.1A.1. :2s USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 5.1 :1s |
| | I.2.1A.2. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 5.1 :3s |
| | I.2.1B. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.2 :1s Mod1 5.2 :3s 5.3 :4p2s |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|------------------------------------|-----------------------------|-------------|----------------------|-----------------------|---|
| | I.2.2A. :1s USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 5.3 :4s 5.3 :4p2s 5.3 :8s Mod1 5.4.1 :1s |
| | I.2.2A. :2s USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.4.1 :3s |
| | I.2.2B. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.2 :1s Mod1 5.2 :2s 5.3 :4s Mod1 5.3.2.4 :1s Mod1 5.3.2.4 :2s Mod1 5.3.2.4 :4s |
| | I.2.2C. :1s USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.2 :4s |
| | I.2.2C. :2s USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.2 :3s |
| | I.2.3 USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.2 :1s Mod1 5.2 :3s Mod1 5.2 :4s Mod1 5.2 :5s 5.3.2.1.1 :2s 5.3.2.1.1 :3s 5.3.2.2.1 :2s 5.3.2.2.1 :3s 5.3.2.3.1 :2s 5.3.2.4.1 :2s 5.3.2.4.1 :3s |
| | I.2.4A. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 5.3.2.1.1 :3s |

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 98

RTNDB VZ1
 May 27, 1994 11:01 AM

Requirements Traceability Network
 Requirements Matrix Report
 Document owner, id: OQA, DOE/RW-0333P QARD
 Revision & Change: 0

Version 1.1
 (rtm rpt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|-------------|----------------------|-----------------------|--|
| | I.2.4A. | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Modl 5.3.2.4 :2s |
| | I.2.4B. | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Modl 5.3.2.4 :4s |
| | I.2.4C. :1s | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Modl 5.3.2.4 :5s |
| | I.2.4C. :2s | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Modl 5.3.2.4 :2s |
| | I.2.5 | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 5.3 :1s |
| | I.2.5A.1. | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Modl 5.3.2.4 :1s 5.3.2.4.1 :3s |
| | I.2.5A.2. | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 2. :1s |
| | I.2.5B.1. | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Modl 5.3.2.3 :2s Modl 5.3.2.4 :1s Modl 5.3.2.4 :2s |
| | I.2.5B.2. | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 5.3 5.3.1 |
| | I.2.5B.3. | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 2. :1s |
| | I.2.5C. | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Modl 5.2 :2s |

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 99

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|------------------------------------|-----------------------------|-------------|----------------------|-----------------------|---|
| | I.2.5C. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 5.3.2.1 :1s Mod1 5.3.2.3 :1s Mod1 5.3.2.3 :2s Mod1 5.3.2.3 :4s Mod1 5.3.2.3 :5s Mod1 5.3.2.3 :6s Mod1 5.3.2.4 :2s Mod1 5.3.2.4 :3s |
| | I.2.6A.1. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 5.3.2.1 :1s |
| | I.2.6A.2. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 5.3.2.1 :1s |
| | I.2.6B.1.a. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.2.3 :2s |
| | I.2.6B.1.b. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.2.3 :2s |
| | I.2.6B.1.c. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.2.3 :4s |
| | I.2.6B.1.d. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.2.3 :2s |
| | I.2.6B.1.e. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.2.3 :5s |
| | I.2.6B.2. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.2.3 :4s |
| | I.2.6B.3. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.2.3 :6s |

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 100

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|----------------------------------|-----------------------------|-------------|----------------------|-----------------------|--|
| | I.2.6B.4. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.2.3 :2s |
| | I.2.6C.1. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.2.4 :2s Mod1 5.3.2.4 :3s |
| | I.2.6C.2. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.2.4 :3s |
| | I.2.6D.1. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.2 :3s |
| | I.2.6E.1. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.2.2 :1s |
| | I.2.6E.2. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.2.2 :2s |
| | I.2.6E.3. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.2.2 :4s |
| | I.2.6E.4. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.2.2 :3s |
| | I.2.6E.5. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 3.5 Mod1 5.3.2.2 :2s |
| | I.2.6E.6. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.2.2 :2s |
| | I.2.6E.7. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.2.2 :1s |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
|--------------------|----------------------------------|-----------------------------|-------------|----------------------|-----------------------|--|
| | I.2.6F.1. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Modl 5.2 :1s Modl 5.2 :3s 5.3.2.1.1 :1s 5.3.2.1.1 :2s 5.3.2.1.1 :3s 5.3.2.2.1 :1s 5.3.2.2.1 :2s 5.3.2.2.1 :3s 5.3.2.3.1 :1s 5.3.2.3.1 :2s 5.3.2.4.1 :1s 5.3.2.4.1 :2s 5.3.2.4.1 :3s |
| | I.2.6F.2. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Modl 5.2 :2s Modl 5.2 :3s Modl 5.2 :4s Modl 5.2 :5s |
| | I.2.7 :1s USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 4.1 :2sbullet |
| | I.2.7 :2s USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Modl 5.3.1.1 :1s Modl 5.3.1.1 :2s Modl 5.3.1.1 :3s Modl 5.3.1.1 :4s Modl 5.3.1.1 :5s Modl 5.3.1.1 :6s Modl 5.3.3.2 :1s Modl 5.3.3.2 :2s Modl 5.3.3.2 :3s Modl 5.3.3.2 :4s Modl 5.4.2 :1s Modl 5.4.2 :2s |
| | I.2.7A.1. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 5.1 :3s |

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 102

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|--------------------------------------|-----------------------------|-------------|----------------------|-----------------------|---|
| | I.2.7A.2. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.1.1 :2s Mod1 5.3.1.1 :3s |
| | I.2.7A.2.a. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.1.1 :3s Mod1 5.3.1.1 :5s |
| | I.2.7A.2.b. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.1.1 :5s |
| | I.2.7A.3. :1s USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.1.1 :3s |
| | I.2.7A.3. :2s USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.1.1 :3s Att 3 |
| | I.2.7B.1. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 5. :2s Mod1 5.3.3.2 :1s Mod1 5.3.3.2 :2s Mod1 5.3.3.2 :3s Mod1 5.3.3.2 :4s 5.3.3.4 :1s 5.3.3.4 :2s Mod1 5.4.1 :1s Att 2 |
| | I.2.7B.2. :1s USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.3.2 :1s Mod1 5.3.3.2 :2s Mod1 5.3.3.2 :3s 5.3.3.5 :1s |
| | I.2.7B.2. :2s USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Att 3 |

- - Not yet accepted
 (IBR) - Incorporated By Reference
 103

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
|--------------------|------------------------------------|-----------------------------|-------------|----------------------|-----------------------|---|
| | I.2.7B.2.a. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 5. :2s Mod1 5.3.3.2 :1s Mod1 5.3.3.2 :3s Mod1 5.4.1 :1s Att 2 |
| | I.2.7B.2.b. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.3.2 :3s Mod1 5.3.3.2 :4s 5.3.3.5 :3s |
| | I.2.7B.2.c. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.2 Mod1 5.3.3.2 :1s Mod1 5.3.3.2 :2s Mod1 5.3.3.2 :3s Att 3 |
| | I.2.7B.2.d. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.2.4 :5s |
| | I.2.7C.1. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.4.2 :2s1 |
| | I.2.7C.2. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.4.2 :2s4 |
| | I.2.7C.3. USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.2.3 :6s Mod1 5.4.2 :2s1 Mod1 5.4.2 :2s4 Att 3 |
| | I.2.8 USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 5.3.3.3 :1s |

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|------------------------------------|----------------------|-----------------------|--|
| | I.2.8 | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 5.3.3.3 :2s 5.3.3.3 :3s 5.3.3.3 :4s 5.3.3.3 :5s 5.3.3.3 :6s 5.3.3.3 :7s 5.3.3.3 :8s 5.3.3.3 :9s |
| | I.2.8A. | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 5.3.3.3 :2s |
| | I.2.8B.1. | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 5.3.3.3 :1s 5.3.3.3 :4s |
| | I.2.8B.2. | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 5.3.3.3 :5s |
| | I.2.8B.3. | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 5.3.3.3 :6s 5.3.3.3 :8s |
| | I.2.8B.4. | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) Mod1 5.3.3.2 :4s 5.3.3.3 :9s |
| | I.2.8C. | | | | | |
| | USGS implements by: | USGS | QMP-3.03 | 4 | C | (verified) 5.3.3.3 :7s |
| | I.2.9 | | | | | |
| | USGS implements by: | USGS | QMP-17.01 QMP-17.03 QMP-3.03 | 6 1 4 | C | (verified) 5.2.3 thru 5.2.3b 5.5 5.3.3.1 :1s 6.2 :2s3bullet |

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 105

Group Name:

| Requirement status | Requirement id | Implementing document owner | Implementing document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
|--------------------|---------------------|-----------------------------|--------------------------|----------------------|-----------------------|---|
| | I.2.10A. | | | | | |
| | USGS implements by: | | | | C | (verified) |
| | | USGS | QMP-3.03 | 4 | | 1. :1s 5.3 :1s Mod1 5.3.2.3 :1s Mod1 5.3.2.3 :2s Mod1 5.3.2.3 :3s Mod1 5.3.2.3 :4s Mod1 5.3.2.3 :5s |
| | | | QMP-5.01 | 5 | | 5.0 |
| | | | QMP-5.05 | 4 | | 5. |
| | I.2.10B. | | | | | |
| | USGS implements by: | | | | C | (verified) |
| | | USGS | QMP-3.03 | 4 | | 5.3.2.1.1 :3s 5.3.2.3.1 :2s Mod1 5.4.1 :3s Mod1 5.3.4.4 |
| | | | QMP-3.04 | 5 | | |
| | I.2.10C. | | | | | |
| | USGS implements by: | | | | C | (verified) |
| | | USGS | QMP-3.03 | 4 | | 5.3 :8s Mod1 5.3.2.4 :5s Mod1 5.3.3.2 :3s Mod1 5.4.1 :1s Mod1 5.4.1 :3s Mod1 5.3.4.4 |
| | | | QMP-3.04 | 5 | | |
| | II.2.1A. | | | | | |
| | USGS implements by: | | | | C | (verified) |
| | | USGS | QMP-8.01 | 4 | | 5.1.1 :1s thru 2s 5.2.3 5.3.1 |
| | II.2.1B. | | | | | |
| | USGS implements by: | | | | C | (verified) |
| | | USGS | QMP-8.01 | 4 | | 4.1 5.1.2 |
| | | YMSCO | AP-6.26Q | 1 | | 5.1a) BULLET1 5.1a) BULLET2 5.1a) BULLET3 5.1a) BULLET4 5.1a) BULLET5 5.1a) BULLET6 |

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
|--------------------|---------------------|-----------------------------|-------------|----------------------|-----------------------|---|
| II.2.1B. | USGS implements by: | YMSCO | AP-6.26Q | 1 | C | (verified) 5.1a) BULLET6NOTE: 5.1a) BULLET7 5.1a) BULLETS 5.1a) BULLET9 5.1a) BULLET10 5.1b) 5.1c) 5.1c) NOTE: BULLET1 5.1c) NOTE: BULLET2 5.1c) NOTE: BULLET3 5.1c) NOTE: BULLET4 5.1d) 5.1e) NOTE: 1 5.1e) NOTE: 2 5.1f) |
| II.2.1C. | USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.1.1.1 |
| II.2.2A. | USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.2.1 :3s |
| II.2.2B. | USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.2.1 :1s |
| II.2.3A. | USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.1.1 :1s 5.1.1.2 5.1.2 :1s thru 2s 5.1c) |
| | | YMSCO | AP-6.26Q | 1 | | |
| II.2.3B. | USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.1.1 :1s 5.1.1.2 5.1.2 :1s thru 2s |
| II.2.3C. | USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.1.2 :1s thru 2s |

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 107

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------------------------|-----------------------------|-------------|----------------------|-----------------------|--|
| | II.2.3D. :1s USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.1.1 :1s |
| | II.2.3D. :2s USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.1.1 :1s |
| | II.2.3E.1. USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.1.1 :1s |
| | II.2.3E.2. USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.1.1 :2s |
| | II.2.3E.3. USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.1.1.2 |
| | II.2.3E.4. USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.1.1.3 :1s |
| | II.2.4A. USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.2.1 :4s |
| | II.2.4B. USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.3.1 |
| | II.2.4C. :1s USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.2.3 5.3.1 |
| | II.2.4C. :2s1. USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.1.1.3 :2s 5.1.1.3 :3s |
| | II.2.4C. :2s2. USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.1.1.4 |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------------------------|-----------------------------|-------------|----------------------|-----------------------|--|
| | II.2.4C. :2s3. USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.1.1.3 :4s |
| | II.2.5 USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.4.1 :1s |
| | II.2.6A. USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.2.3 :1s |
| | II.2.6B. USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.2.3 :2s |
| | II.2.6C. :1s USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.2.4 :1s |
| | II.2.6C. :2s USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.2.4 :2s |
| | II.2.6D. USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.2.3 :2s |
| | II.2.6E. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | II.2.6E.1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | II.2.6E.2. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | II.2.7A. USGS implements by: | USGS | QMP-8.01 | 4 | C | (verified) 5.5 (IBR) YMSCO YAP-15.1Q 1.0 :1pls |

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 109

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|----------------|-----------------------------|-------------|----------------------|-----------------------|-------------|
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II.2.7A.

USGS implements by:

USGS QMP-8.01

4

C

(verified)

5.5

- (IBR) YMSCO YAP-15.1Q 1.0 :1p2s
- (IBR) YMSCO YAP-15.1Q 1.0 :1p3s
- (IBR) YMSCO YAP-15.1Q 1.0 :2p1s
- (IBR) YMSCO YAP-15.1Q 1.0 :2p2s
- (IBR) YMSCO YAP-15.1Q 2.0 :1s
- (IBR) YMSCO YAP-15.1Q 2.0 :2s
- (IBR) YMSCO YAP-15.1Q 3.1
- (IBR) YMSCO YAP-15.1Q 3.2
- (IBR) YMSCO YAP-15.1Q 3.3
- (IBR) YMSCO YAP-15.1Q 3.4
- (IBR) YMSCO YAP-15.1Q 3.5
- (IBR) YMSCO YAP-15.1Q 3.6
- (IBR) YMSCO YAP-15.1Q 3.7
- (IBR) YMSCO YAP-15.1Q 3.8
- (IBR) YMSCO YAP-15.1Q 3.9
- (IBR) YMSCO YAP-15.1Q 3.10
- (IBR) YMSCO YAP-15.1Q 3.11
- (IBR) YMSCO YAP-15.1Q 3.12
- (IBR) YMSCO YAP-15.1Q 3.13
- (IBR) YMSCO YAP-15.1Q 3.14
- (IBR) YMSCO YAP-15.1Q 4.1
- (IBR) YMSCO YAP-15.1Q 4.2a)
- (IBR) YMSCO YAP-15.1Q 4.2b)
- (IBR) YMSCO YAP-15.1Q 4.2c)
- (IBR) YMSCO YAP-15.1Q 4.2d)
- (IBR) YMSCO YAP-15.1Q 4.2e)
- (IBR) YMSCO YAP-15.1Q 4.2f)
- (IBR) YMSCO YAP-15.1Q 4.2g)
- (IBR) YMSCO YAP-15.1Q 4.2h)
- (IBR) YMSCO YAP-15.1Q 5.1.1a)
- (IBR) YMSCO YAP-15.1Q 5.1.1b)
- (IBR) YMSCO YAP-15.1Q 5.1.1c)
- (IBR) YMSCO YAP-15.1Q 5.1.1d)
- (IBR) YMSCO YAP-15.1Q 5.1.1e)
- (IBR) YMSCO YAP-15.1Q 5.1.1f)
- (IBR) YMSCO YAP-15.1Q 5.1.1f)NOTE: :1s
- (IBR) YMSCO YAP-15.1Q 5.1.1f)NOTE: :2s
- (IBR) YMSCO YAP-15.1Q 5.1.1g)
- (IBR) YMSCO YAP-15.1Q 5.1.1h)
- (IBR) YMSCO YAP-15.1Q 5.1.2a)
- (IBR) YMSCO YAP-15.1Q 5.1.2b)

~ = Not yet accepted

(IBR) = Incorporated By Reference

Group Name:

| Requirement status | Requirement id | Implementing document owner | Implementing document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
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II.2.7A.

USGS implements by:

USGS QMP-8.01

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(verified)
 5.5

- (IBR) YMSCO YAP-15.1Q 5.1.2c)
- (IBR) YMSCO YAP-15.1Q 5.1.3a)
- (IBR) YMSCO YAP-15.1Q 5.1.3b)
- (IBR) YMSCO YAP-15.1Q 5.1.3c)
- (IBR) YMSCO YAP-15.1Q 5.1.3d)
- (IBR) YMSCO YAP-15.1Q 5.1.4a)
- (IBR) YMSCO YAP-15.1Q 5.1.4b)
- (IBR) YMSCO YAP-15.1Q 5.1.4c)
- (IBR) YMSCO YAP-15.1Q 5.1.4d)
- (IBR) YMSCO YAP-15.1Q 5.1.5
- (IBR) YMSCO YAP-15.1Q 5.2.1
- (IBR) YMSCO YAP-15.1Q 5.2.2a)
- (IBR) YMSCO YAP-15.1Q 5.2.2b)
- (IBR) YMSCO YAP-15.1Q 5.2.2c)
- (IBR) YMSCO YAP-15.1Q 5.2.2d)
- (IBR) YMSCO YAP-15.1Q 5.2.2e)
- (IBR) YMSCO YAP-15.1Q 5.2.2f)
- (IBR) YMSCO YAP-15.1Q 5.2.2f) NOTE:
- (IBR) YMSCO YAP-15.1Q 5.2.2g)
- (IBR) YMSCO YAP-15.1Q 5.2.3a)
- (IBR) YMSCO YAP-15.1Q 5.2.3b)
- (IBR) YMSCO YAP-15.1Q 5.2.3c)
- (IBR) YMSCO YAP-15.1Q 5.2.3d)
- (IBR) YMSCO YAP-15.1Q 5.2.3e)
- (IBR) YMSCO YAP-15.1Q 5.2.3f)
- (IBR) YMSCO YAP-15.1Q 5.2.3g)
- (IBR) YMSCO YAP-15.1Q 5.2.4a)
- (IBR) YMSCO YAP-15.1Q 5.2.4b)
- (IBR) YMSCO YAP-15.1Q 5.3.1a)
- (IBR) YMSCO YAP-15.1Q 5.3.1b)
- (IBR) YMSCO YAP-15.1Q 5.3.1c)
- (IBR) YMSCO YAP-15.1Q 5.3.1d)
- (IBR) YMSCO YAP-15.1Q 5.3.1e)
- (IBR) YMSCO YAP-15.1Q 5.3.2a)
- (IBR) YMSCO YAP-15.1Q 5.3.2b)
- (IBR) YMSCO YAP-15.1Q 5.3.2c)
- (IBR) YMSCO YAP-15.1Q 5.3.2d)
- (IBR) YMSCO YAP-15.1Q 5.3.3a)
- (IBR) YMSCO YAP-15.1Q 5.3.3b)
- (IBR) YMSCO YAP-15.1Q 5.3.4a)
- (IBR) YMSCO YAP-15.1Q 5.3.4b)

~ = Not yet accepted
 (IBR) = Incorporated By Reference
 111

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
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II.2.7A.

USGS implements by:

USGS QMP-8.01

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C

(verified)
 5.5

- (IBR) YMSCO YAP-15.1Q 5.3.4c)
- (IBR) YMSCO YAP-15.1Q 5.3.4d)
- (IBR) YMSCO YAP-15.1Q 5.3.5a)
- (IBR) YMSCO YAP-15.1Q 5.3.5b)
- (IBR) YMSCO YAP-15.1Q 5.3.5c)
- (IBR) YMSCO YAP-15.1Q 5.4.1 :1sa
- (IBR) YMSCO YAP-15.1Q 5.4.1 :1sb
- (IBR) YMSCO YAP-15.1Q 5.4.1 :1sc
- (IBR) YMSCO YAP-15.1Q 6.1.1
- (IBR) YMSCO YAP-15.1Q 6.1.2
- (IBR) YMSCO YAP-15.1Q 6.1.3 :1s
- (IBR) YMSCO YAP-15.1Q 6.1.4
- (IBR) YMSCO YAP-15.1Q 6.1.5 :1s
- (IBR) YMSCO YAP-15.1Q 6.1.6
- (IBR) YMSCO YAP-15.1Q 6.1.7 :1s
- (IBR) YMSCO YAP-15.1Q 6.1.7 :2s
- (IBR) YMSCO YAP-15.1Q 6.2 :1s
- (IBR) YMSCO YAP-15.1Q 6.2 :2s
- (IBR) YMSCO YAP-15.1Q 7.0
- (IBR) YMSCO YAP-15.1Q 7.1
- (IBR) YMSCO YAP-15.1Q 7.2
- (IBR) YMSCO YAP-15.1Q 10.0 :1s
- (IBR) YMSCO YAP-15.1Q 10.0 :2s
- (IBR) YMSCO YAP-15.1Q 10.0 :3s

II.2.7B.

USGS implements by:

USGS QMP-8.01

4

C

(verified)
 5.5

- (IBR) YMSCO YAP-15.1Q 1.0 :1p1s
- (IBR) YMSCO YAP-15.1Q 1.0 :1p2s
- (IBR) YMSCO YAP-15.1Q 1.0 :1p3s
- (IBR) YMSCO YAP-15.1Q 1.0 :2p1s
- (IBR) YMSCO YAP-15.1Q 1.0 :2p2s
- (IBR) YMSCO YAP-15.1Q 2.0 :1s
- (IBR) YMSCO YAP-15.1Q 2.0 :2s
- (IBR) YMSCO YAP-15.1Q 3.1
- (IBR) YMSCO YAP-15.1Q 3.2
- (IBR) YMSCO YAP-15.1Q 3.3
- (IBR) YMSCO YAP-15.1Q 3.4
- (IBR) YMSCO YAP-15.1Q 3.5
- (IBR) YMSCO YAP-15.1Q 3.6

~ = Not yet accepted
 (IBR) = Incorporated By Reference

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
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II.2.7B.

USGS implements by:

USGS QMP-8.01

4

C

(verified)

- 5.5
- (IBR) YMSCO YAP-15.1Q 3.7
- (IBR) YMSCO YAP-15.1Q 3.8
- (IBR) YMSCO YAP-15.1Q 3.9
- (IBR) YMSCO YAP-15.1Q 3.10
- (IBR) YMSCO YAP-15.1Q 3.11
- (IBR) YMSCO YAP-15.1Q 3.12
- (IBR) YMSCO YAP-15.1Q 3.13
- (IBR) YMSCO YAP-15.1Q 3.14
- (IBR) YMSCO YAP-15.1Q 4.1
- (IBR) YMSCO YAP-15.1Q 4.2a)
- (IBR) YMSCO YAP-15.1Q 4.2b)
- (IBR) YMSCO YAP-15.1Q 4.2c)
- (IBR) YMSCO YAP-15.1Q 4.2d)
- (IBR) YMSCO YAP-15.1Q 4.2e)
- (IBR) YMSCO YAP-15.1Q 4.2f)
- (IBR) YMSCO YAP-15.1Q 4.2g)
- (IBR) YMSCO YAP-15.1Q 4.2h)
- (IBR) YMSCO YAP-15.1Q 5.1.1a)
- (IBR) YMSCO YAP-15.1Q 5.1.1b)
- (IBR) YMSCO YAP-15.1Q 5.1.1c)
- (IBR) YMSCO YAP-15.1Q 5.1.1d)
- (IBR) YMSCO YAP-15.1Q 5.1.1e)
- (IBR) YMSCO YAP-15.1Q 5.1.1f)
- (IBR) YMSCO YAP-15.1Q 5.1.1f)NOTE: :1s
- (IBR) YMSCO YAP-15.1Q 5.1.1f)NOTE: :2s
- (IBR) YMSCO YAP-15.1Q 5.1.1g)
- (IBR) YMSCO YAP-15.1Q 5.1.1h)
- (IBR) YMSCO YAP-15.1Q 5.1.2a)
- (IBR) YMSCO YAP-15.1Q 5.1.2b)
- (IBR) YMSCO YAP-15.1Q 5.1.2c)
- (IBR) YMSCO YAP-15.1Q 5.1.3a)
- (IBR) YMSCO YAP-15.1Q 5.1.3b)
- (IBR) YMSCO YAP-15.1Q 5.1.3c)
- (IBR) YMSCO YAP-15.1Q 5.1.3d)
- (IBR) YMSCO YAP-15.1Q 5.1.4a)
- (IBR) YMSCO YAP-15.1Q 5.1.4b)
- (IBR) YMSCO YAP-15.1Q 5.1.4c)
- (IBR) YMSCO YAP-15.1Q 5.1.4d)
- (IBR) YMSCO YAP-15.1Q 5.1.5
- (IBR) YMSCO YAP-15.1Q 5.2.1
- (IBR) YMSCO YAP-15.1Q 5.2.2a)

~ = Not yet accepted
 (IBR) = Incorporated By Reference

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
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II.2.7B.

USGS implements by:

USGS QMP-8.01

4

C

(verified)

- 5.5
- (IBR) YMSCO YAP-15.1Q 5.2.2b)
- (IBR) YMSCO YAP-15.1Q 5.2.2c)
- (IBR) YMSCO YAP-15.1Q 5.2.2d)
- (IBR) YMSCO YAP-15.1Q 5.2.2e)
- (IBR) YMSCO YAP-15.1Q 5.2.2f)
- (IBR) YMSCO YAP-15.1Q 5.2.2f) NOTE:
- (IBR) YMSCO YAP-15.1Q 5.2.2g)
- (IBR) YMSCO YAP-15.1Q 5.2.3a)
- (IBR) YMSCO YAP-15.1Q 5.2.3b)
- (IBR) YMSCO YAP-15.1Q 5.2.3c)
- (IBR) YMSCO YAP-15.1Q 5.2.3d)
- (IBR) YMSCO YAP-15.1Q 5.2.3e)
- (IBR) YMSCO YAP-15.1Q 5.2.3f)
- (IBR) YMSCO YAP-15.1Q 5.2.3g)
- (IBR) YMSCO YAP-15.1Q 5.2.4a)
- (IBR) YMSCO YAP-15.1Q 5.2.4b)
- (IBR) YMSCO YAP-15.1Q 5.3.1a)
- (IBR) YMSCO YAP-15.1Q 5.3.1b)
- (IBR) YMSCO YAP-15.1Q 5.3.1c)
- (IBR) YMSCO YAP-15.1Q 5.3.1d)
- (IBR) YMSCO YAP-15.1Q 5.3.1e)
- (IBR) YMSCO YAP-15.1Q 5.3.2a)
- (IBR) YMSCO YAP-15.1Q 5.3.2b)
- (IBR) YMSCO YAP-15.1Q 5.3.2c)
- (IBR) YMSCO YAP-15.1Q 5.3.2d)
- (IBR) YMSCO YAP-15.1Q 5.3.3a)
- (IBR) YMSCO YAP-15.1Q 5.3.3b)
- (IBR) YMSCO YAP-15.1Q 5.3.4a)
- (IBR) YMSCO YAP-15.1Q 5.3.4b)
- (IBR) YMSCO YAP-15.1Q 5.3.4c)
- (IBR) YMSCO YAP-15.1Q 5.3.4d)
- (IBR) YMSCO YAP-15.1Q 5.3.5a)
- (IBR) YMSCO YAP-15.1Q 5.3.5b)
- (IBR) YMSCO YAP-15.1Q 5.3.5c)
- (IBR) YMSCO YAP-15.1Q 5.4.1 :1sa
- (IBR) YMSCO YAP-15.1Q 5.4.1 :1sb
- (IBR) YMSCO YAP-15.1Q 5.4.1 :1sc
- (IBR) YMSCO YAP-15.1Q 6.1.1
- (IBR) YMSCO YAP-15.1Q 6.1.2
- (IBR) YMSCO YAP-15.1Q 6.1.3 :1s
- (IBR) YMSCO YAP-15.1Q 6.1.4

~ = Not yet accepted
 (IBR) = Incorporated By Reference

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
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| II.2.7B. | | | | | | |
| USGS implements by: | | USGS | QMP-8.01 | 4 | C | (verified) 5.5 (IBR) YMSCO YAP-15.1Q 6.1.5 :1s (IBR) YMSCO YAP-15.1Q 6.1.6 (IBR) YMSCO YAP-15.1Q 6.1.7 :1s (IBR) YMSCO YAP-15.1Q 6.1.7 :2s (IBR) YMSCO YAP-15.1Q 6.2 :1s (IBR) YMSCO YAP-15.1Q 6.2 :2s (IBR) YMSCO YAP-15.1Q 7.0 (IBR) YMSCO YAP-15.1Q 7.1 (IBR) YMSCO YAP-15.1Q 7.2 (IBR) YMSCO YAP-15.1Q 10.0 :1s (IBR) YMSCO YAP-15.1Q 10.0 :2s (IBR) YMSCO YAP-15.1Q 10.0 :3s |
| III.2.1A. | | | | | | |
| USGS implements by: | | USGS | QMP-5.01 | 5 | C | (verified) Mod1 :5.1 :2sa Mod1 :5.1 :2sc Mod1 :5.1 :2se Mod1 :5.1 :2sf Mod1 :5.1 :2sg Mod1 :5.1 :2si Mod1 :5.1 :2sj Mod1 :5.1 :2sl 5.1.4a) 6.3.2 |
| | | YMSCO | AP-1.10Q | 6 | | |
| III.2.1B. | | | | | | |
| USGS implements by: | | YMSCO | AP-1.10Q | 6 | C | (verified) 5.1.1 5.1.4a) |
| III.2.1C. | | | | | | |
| USGS implements by: | | YMSCO | AP-1.10Q | 6 | C | (verified) 5.1.3 6.1 1) :1s 6.1 1) :2s |
| III.2.1D. | | | | | | |
| USGS implements by: | | YMSCO | AP-1.10Q | 6 | | (verified) 5.1.1 5.1.2 |

- = Not yet accepted
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Group Name:

| Requirement status | Requirement id | Implementing document owner document id | Rev & Chg/ Effective | Implementation status requirement |
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III.2.1D.

USGS implements by:

YMSCO AP-1.10Q

6

(verified)
 5.1.2NOTE:
 5.1.3
 5.1.4a)
 5.1.4b)
 5.1.4b)NOTE:
 5.2.2a)
 5.2.2a)NOTE:
 5.2.2b)
 5.2.2b)NOTE:
 5.2.2c)
 5.2.2d)
 5.2.2e)
 5.2.2f)1)
 5.2.2f)2)
 5.2.2f)3)
 5.2.2f)4)
 5.2.2g)
 5.2.4
 5.2.4NOTE:
 5.2.6
 5.2.7
 5.2.9a)
 5.2.9a)NOTE:
 5.2.9b)
 5.2.9c)
 5.2.9d)
 5.2.11
 5.2.12
 5.3.1a)
 5.3.1b)
 5.3.1b)NOTE:
 6.1 1) :1s
 6.1 1) :2s
 6.1 2) :1s
 6.1 2) :2s
 6.1 2) :3s
 6.1 2) :4s
 6.1 3)
 6.1 4)
 6.2 1)
 6.2 2)
 6.2 3)

Group Name:

| Requirement status | Requirement id | Implementing document owner document id | Rev & Chg/ Effective | Implementation status requirement |
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III.2.1D.
 USGS implements by:

YMSCO AP-1.10Q

6

(verified)

- 6.3.1 1)
- 6.3.1 2)
- 6.3.1 3)
- 6.3.1 4)
- 6.3.2
- 6.4 1)
- 6.4 2)
- 6.4 3)
- 6.4 4)
- 7.0 1)
- 7.0 2)
- 7.0 3)
- 7.0 4)
- 7.0 4)NOTE:
- ATT.8.3 I. :1s
- ATT.8.3 I. :2s
- ATT.8.3 II. :1s
- ATT.8.3 II. :2s
- ATT.8.3 II. :3s
- ATT.8.3 II. :4s
- ATT.8.3 II. :5s
- ATT.8.3 II. :6s
- ATT.8.3 II. :7s
- ATT.8.3 II. :8s
- ATT.8.3 II. :9s
- ATT.8.3 II. :10s
- ATT.8.3 II. :11s
- ATT.8.3 II. :12s
- ATT.8.3 II. :13s
- ATT.8.3 II. :14s1.
- ATT.8.3 II. :14s2.
- ATT.8.3 II. :14s3.
- ATT.8.3 II. :14s4.
- ATT.8.3 II. :14s5.
- ATT.8.3 II. :14s6.
- ATT.8.3 II. :15s
- ATT.8.3 II. :16s
- ATT.8.3 II. :17s
- ATT.8.3 II. :18s
- ATT.8.3 II. :19s
- ATT.8.3 II. :20s
- ATT.8.3 II. :21s

~ = Not yet accepted
 (IBR) = Incorporated By Reference

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
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| | III.2.1D. | | | | | (verified) |
| | USGS implements by: | YMSCO | AP-1.10Q | 6 | | ATT.8.3 II. :22s ATT.8.3 II. :23s ATT.8.3 II. :24s ATT.8.3 II. :25s ATT.8.3 II. :26s ATT.8.3 II. :27s ATT.8.3 II. :28s ATT.8.3 II. :29s ATT.8.3 II. :30s ATT.8.3 IV. :1s ATT.8.3 IV. :2s |
| | III.2.2A. | | | | | (verified) |
| | USGS implements by: | USGS | QMP-5.01 | 5 | C | 2.0 :2s 2.0 :3s 2.0 :1s 2.0 :2s 5.1 |
| | | | QMP-5.05 | 4 | | |
| | III.2.2B.1. | | | | | (verified) |
| | USGS implements by: | USGS | QMP-5.05 | 4 | C | Mod1 :5.5 :b1 Mod1 :5.5 :b2 |
| | III.2.2B.2. | | | | | (verified) |
| | USGS implements by: | USGS | QMP-5.05 | 4 | C | Mod1 :5.5 :b5 |
| | III.2.2B.3. | | | | | (verified) |
| | USGS implements by: | USGS | QMP-5.05 | 4 | C | 5.6.1 :b4 5.6.2 :b1 |
| | III.2.2B.4. | | | | | (verified) |
| | USGS implements by: | USGS | QMP-5.05 | 4 | C | 5.6.1 :b1 thru b3 |
| | III.2.2B.5. | | | | | (verified) |
| | USGS implements by: | USGS | QMP-5.05 | 4 | C | 5.6.1 :b5 |
| | III.2.2C. | | | | | (verified) |
| | USGS implements by: | USGS | QMP-5.05 | 4 | C | 5.8.1 |

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 118

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
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| | III.2.2D. USGS implements by: | USGS | QMP-5.01 | 5 | C | (verified) Modl :1.0 :3s |
| | III.2.3.A. USGS implements by: | YMSCO | YAP-SIII.3Q | 0 | C | (verified) 5.1.1a) 5.1.1b) |
| | III.2.3.B. USGS implements by: | YMSCO | YAP-SIII.3Q | 0 | C | (verified) 5.1.2NOTE:3 :1s 5.1.2NOTE:3 :2s 5.1.2NOTE:3 :3s |
| | III.2.4A.1. USGS implements by: | USGS | QMP-3.04 | 5 | C | (verified) 5.3.3 5.3.3.1 5.4.3.2 |
| | III.2.4A.2. USGS implements by: | USGS | QMP-3.04 | 5 | C | (verified) 5.3.3 5.3.3.1 5.3.1 :1s 5.3.1 :3s |
| | III.2.4A.3. USGS implements by: | USGS | QMP-3.04 | 5 | C | (verified) 5.2 :2p3s |
| | III.2.4B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | III.2.4C. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | III.2.4D.1.a. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | III.2.4D.1.b. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

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 119

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|--|-----------------------------|----------------------|----------------------|-----------------------|---|
| | III.2.4D.1.c. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | III.2.4D.1.d. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | III.2.4D.2. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | III.2.4D.2. :2sa. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | III.2.4D.2. :2sb. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | III.2.4D.3.a. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | III.2.4D.3.b. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | III.2.5A. USGS implements by: | USGS | QMP-3.04 | 5 | C | (verified) 5.3.3 :1s |
| | III.2.5B. USGS implements by: | USGS | QMP-3.04 | 5 | C | (verified) 5.3.3.2 |
| | III.2.6A. USGS implements by: | USGS | QMP-3.04 | 5 | C | (verified) 5.3.4.4 |
| | III.2.6B. :1s USGS implements by: | USGS YMSCO | QMP-3.04 AP-1.10Q | 5 6 | C | (verified) 5.3.4.4 ATT.8.3 II. :23s |

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 120

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | Implementation requirement |
|--------------------|---|-----------------------------|-------------|----------------------|-----------------------|----------------------------|
| | A.2.2B.1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | A.2.2B.2.a. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | A.2.2B.2.b. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | A.2.2B.2.c. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | B.2 USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | B.2.1A. :1s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | B.2.1A. :2s USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | (Inc. by ref.) OQA 10CFR71 SUB.H 71.101(b) :1s USGS implements by: | USGS | N/A | 0 | | (verified) N/A |
| | (Inc. by ref.) OQA 10CFR71 SUB.H 71.101(b) :2s USGS implements by: | USGS | N/A | 0 | | (verified) N/A |
| | (Inc. by ref.) OQA 10CFR71 SUB.H 71.101(c) :1s USGS implements by: | USGS | N/A | 0 | | (verified) N/A |
| | (Inc. by ref.) OQA 10CFR71 SUB.H 71.101(c) :2s USGS implements by: | USGS | N/A | 0 | | (verified) N/A |
| | (Inc. by ref.) OQA 10CFR71 SUB.H 71.101(d) :1sthru2s USGS implements by: | USGS | N/A | 0 | | (verified) N/A |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|--------------------------------------|-----------------------------|-------------|----------------------|-----------------------|--|
| | III.2.6B. :1s USGS implements by: | YMSCO | AP-1.10Q | 6 | C | (verified) ATT.8.3 II. :24s ATT.8.3 II. :25s ATT.8.3 II. :26s ATT.8.3 II. :27s ATT.8.3 II. :28s ATT.8.3 II. :29s ATT.8.3 II. :30s |
| | III.2.6B. :2s USGS implements by: | USGS | QMP-3.04 | 5 | C | (verified) 5.3.4.1 |
| | IV.2.1A. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | IV.2.1B. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | IV.2.2 USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | A.2.1 USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | A.2.2A.1. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | A.2.2A.2.a. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | A.2.2A.2.b. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |
| | A.2.2A.2.c. USGS implements by: | USGS | N/A | 0 | C | (verified) N/A |

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------|
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.101(e) :1sthru2s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.101(f) :1s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.101(f) :2s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.101(f) :3s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.103 :1s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.103 :2s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.103 :3s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.103 :5s(a) | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.103 :5s(b) | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.103 :6s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.103 :7s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.103 :8s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|---------------------------|----------------------|-----------------------|-------------|
| | (Inc. by ref.) OQA | 10CFR71 | SUB.H 71.103 :9s | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| | (Inc. by ref.) OQA | 10CFR71 | SUB.H 71.105(a) :1s | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| | (Inc. by ref.) OQA | 10CFR71 | SUB.H 71.105(a) :2s | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| | (Inc. by ref.) OQA | 10CFR71 | SUB.H 71.105(a) :3s | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| | (Inc. by ref.) OQA | 10CFR71 | SUB.H 71.105(b) :1s | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| | (Inc. by ref.) OQA | 10CFR71 | SUB.H 71.105(b) :2sthru3s | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| | (Inc. by ref.) OQA | 10CFR71 | SUB.H 71.105(b) :4s | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| | (Inc. by ref.) OQA | 10CFR71 | SUB.H 71.105(c) (1) | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| | (Inc. by ref.) OQA | 10CFR71 | SUB.H 71.105(c) (2) | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| | (Inc. by ref.) OQA | 10CFR71 | SUB.H 71.105(c) (3) | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| | (Inc. by ref.) OQA | 10CFR71 | SUB.H 71.105(c) (4) | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| | (Inc. by ref.) OQA | 10CFR71 | SUB.H 71.105(c) (5) | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |

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 124

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------|
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.105(d) :1s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.105(d) :2s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.105(d) :3s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.107(a) :1s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.107(a) :3s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.107(b) :1s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.107(b) :3s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.107(b) :4s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.107(b) :5s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.107(b) :6s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.107(c) :1s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.107(c) :2s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------------------|-----------------------------|-------------|----------------------|-----------------------|-------------|
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.109 :1s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.109 :2s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.111 :1s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.111 :2s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.113 :1s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.115(a) :1s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.115(b) :1s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.115(b) :2s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.115(b) :3s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.115(c) | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.117 :1s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |
| (Inc. by ref.) | OQA 10CFR71 SUB.H 71.117 :2s | USGS | N/A | 0 | (verified) | N/A |
| | USGS implements by: | | | | | |

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 (IBR) - Incorporated By Reference
 126

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|-------------|----------------------|-----------------------|-------------|
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.117 :3s | | (verified) | |
| | USGS implements by: | USGS | N/A | 0 | N/A | |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.119 | | (verified) | |
| | USGS implements by: | USGS | N/A | 0 | N/A | |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.121 :1s | | (verified) | |
| | USGS implements by: | USGS | N/A | 0 | N/A | |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.121 :2s | | (verified) | |
| | USGS implements by: | USGS | N/A | 0 | N/A | |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.121 :3s | | (verified) | |
| | USGS implements by: | USGS | N/A | 0 | N/A | |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.121 :4s | | (verified) | |
| | USGS implements by: | USGS | N/A | 0 | N/A | |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.121 :5s | | (verified) | |
| | USGS implements by: | USGS | N/A | 0 | N/A | |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.121 :6s | | (verified) | |
| | USGS implements by: | USGS | N/A | 0 | N/A | |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.123 :1s | | (verified) | |
| | USGS implements by: | USGS | N/A | 0 | N/A | |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.123 :2s | | (verified) | |
| | USGS implements by: | USGS | N/A | 0 | N/A | |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.123 :3s | | (verified) | |
| | USGS implements by: | USGS | N/A | 0 | N/A | |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.125 | | (verified) | |
| | USGS implements by: | USGS | N/A | 0 | N/A | |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|---------------|----------------------|-----------------------|-------------|
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.127 :1s | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.127 :2s | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.129(a) :1s | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.129(a) :2s | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.129(b) | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.131 :1s | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.131 :2s | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.131 :3s | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.133 :1s | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.133 :2s | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.133 :3s | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.135 :1s | | | (verified) |
| | USGS implements by: | USGS | N/A | 0 | | N/A |

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Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|---------------------|----------------|-----------------------------|-------------|----------------------|-----------------------|-------------------|
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.135 :2s | | | (verified) |
| USGS implements by: | USGS | N/A | | 0 | | N/A |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.135 :3s | | | (verified) |
| USGS implements by: | USGS | N/A | | 0 | | N/A |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.135 :4s | | | (verified) |
| USGS implements by: | USGS | N/A | | 0 | | N/A |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.135 :5s | | | (verified) |
| USGS implements by: | USGS | N/A | | 0 | | N/A |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.137 :1s | | | (verified) |
| USGS implements by: | USGS | N/A | | 0 | | N/A |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.137 :2s | | | (verified) |
| USGS implements by: | USGS | N/A | | 0 | | N/A |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.137 :3s | | | (verified) |
| USGS implements by: | USGS | N/A | | 0 | | N/A |
| (Inc. by ref.) | OQA 10CFR71 | SUB.H | 71.137 :4s | | | (verified) |
| USGS implements by: | USGS | N/A | | 0 | | N/A |
| B.2.1B. | | | | | | |
| USGS implements by: | USGS | N/A | | 0 | C | (verified) N/A |
| C.2.1 | | | | | | |
| USGS implements by: | USGS | N/A | | 0 | C | (verified) N/A |
| C.2.2 | | | | | | |
| USGS implements by: | USGS | N/A | | 0 | C | (verified) N/A |
| | YMSCO | YAP-15.1Q | | 0 | ICN#1 | 1.0 :1pls |

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 129

RTNDB V2
May 24, 1994 11:01 AM

Requirements Trubility Network
Requirements Matrix Report
Document owner, id: OQA, DOE/RW-0333P QARD
Revision & Change: 0

Version 1
(rt0-apt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|----------------|-----------------------------|-------------|----------------------|-----------------------|-------------|
|--------------------|----------------|-----------------------------|-------------|----------------------|-----------------------|-------------|

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|-------|---------------------|-------|-----------|---|-------|------------------|
| C.2.2 | USGS implements by: | YMSCO | YAP-15.1Q | 0 | ICN#1 | C (verified) |
| | | | | | | 1.0 :1p2s |
| | | | | | | 1.0 :1p3s |
| | | | | | | 1.0 :2p1s |
| | | | | | | 1.0 :2p2s |
| | | | | | | 2.0 :1s |
| | | | | | | 2.0 :2s |
| | | | | | | 3.1 |
| | | | | | | 3.2 |
| | | | | | | 3.3 |
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| | | | | | | 3.12 |
| | | | | | | 3.13 |
| | | | | | | 3.14 |
| | | | | | | 4.1 |
| | | | | | | 4.2a) |
| | | | | | | 4.2b) |
| | | | | | | 4.2c) |
| | | | | | | 4.2d) |
| | | | | | | 4.2e) |
| | | | | | | 4.2f) |
| | | | | | | 4.2g) |
| | | | | | | 4.2h) |
| | | | | | | 5.1.1a) |
| | | | | | | 5.1.1b) |
| | | | | | | 5.1.1c) |
| | | | | | | 5.1.1d) |
| | | | | | | 5.1.1e) |
| | | | | | | 5.1.1f) |
| | | | | | | 5.1.1f)NOTE: :1s |
| | | | | | | 5.1.1f)NOTE: :2s |
| | | | | | | 5.1.1g) |
| | | | | | | 5.1.1h) |
| | | | | | | 5.1.2a) |
| | | | | | | 5.1.2b) |
| | | | | | | 5.1.2c) |

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RTNDB V2.1
May 24, 1994 11:01 AM

Requirements Trubility Network
Requirements Matrix Report
Document owner, id: OQA, DOE/RW-0333P QARD
Revision & Change: 0

Versi 1
(rt0 apt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | Implementation status | requirement |
|--------------------|----------------|-----------------------------|-------------|----------------------|-----------------------|-------------|
|--------------------|----------------|-----------------------------|-------------|----------------------|-----------------------|-------------|

C.2.2

USGS implements by:

YMSCO YAP-15.1Q

0 ICN#1

C (verified)

5.1.3a)

5.1.3b)

5.1.3c)

5.1.3d)

5.1.4a)

5.1.4b)

5.1.4c)

5.1.4d)

5.1.5

5.2.1

5.2.2a)

5.2.2b)

5.2.2c)

5.2.2d)

5.2.2e)

5.2.2f)

5.2.2f) NOTE:

5.2.2g)

5.2.3a)

5.2.3b)

5.2.3c)

5.2.3d)

5.2.3e)

5.2.3f)

5.2.3g)

5.2.4a)

5.2.4b)

5.3.1a)

5.3.1b)

5.3.1c)

5.3.1d)

5.3.1e)

5.3.2a)

5.3.2b)

5.3.2c)

5.3.2d)

5.3.3a)

5.3.3b)

5.3.4a)

5.3.4b)

5.3.4c)

5.3.4d)

~ = Not yet accepted
(IBR) = Incorporated By Reference
131

RTNDB VZ1
 May 27, 1994 11:01 AM

Requirements Trubility Network
 Requirements Matrix Report
 Document owner, id: OQA, DOE/RW-0333P QARD
 Revision & Change: 0

Versi: 1
 (rt0 apt)

Group Name:

| Requirement status | Requirement id | Implementing document owner | document id | Rev & Chg/ Effective | ICN# | Implementation status | requirement |
|--------------------|---------------------|-----------------------------|-------------|----------------------|-------|-----------------------|-------------|
| | C.2.2 | | | | | C | (verified) |
| | USGS implements by: | YMSCO | YAP-15.1Q | 0 | ICN#1 | | 5.3.5a) |
| | | | | | | | 5.3.5b) |
| | | | | | | | 5.3.5c) |
| | | | | | | | 5.4.1 :1sa |
| | | | | | | | 5.4.1 :1sb |
| | | | | | | | 5.4.1 :1sc |
| | | | | | | | 6.1.1 |
| | | | | | | | 6.1.2 |
| | | | | | | | 6.1.3 :1s |
| | | | | | | | 6.1.3 :2s |
| | | | | | | | 6.1.4 |
| | | | | | | | 6.1.5 :1s |
| | | | | | | | 6.1.5 :2s |
| | | | | | | | 6.1.6 |
| | | | | | | | 6.1.7 :1s |
| | | | | | | | 6.1.7 :2s |
| | | | | | | | 6.2 :1s |
| | | | | | | | 6.2 :2s |
| | | | | | | | 7.0 |
| | | | | | | | 7.1 |
| | | | | | | | 7.2 |
| | | | | | | | 10.0 :1s |
| | | | | | | | 10.0 :2s |
| | | | | | | | 10.0 :3s |

~ = Not yet accepted
 (IBR) = Incorporated By Reference

| Implementation stat. & verif. | Implementing requirement id | Owner id | Document id | Req. stat | Rev & Chg/ Effective | Requirement id |
|----------------------------------|--------------------------------|-------------|----------------|--------------|-------------------------|-------------------|
|----------------------------------|--------------------------------|-------------|----------------|--------------|-------------------------|-------------------|

DOE/RW-0333P QARD

0

APPROVAL PAGE
POLICY STATEMENT
INTRODUCTION :1p2s
INTRODUCTION :1p3s
INTRODUCTION :5p (NOT A REQUIREMENT)
FIG.ii-1 (NOT A REQUIREMENT)
1.3.1A. :1s
1.3.1A. :2s
1.3.1A. :3s
1.3.1A. :4s
1.3.1A. :5s
1.3.1B.
1.3.1B.1.
1.3.1B.2.
1.3.2A.
1.3.2B.1. :1s
1.3.2B.1. :2s
1.3.2B.2.
1.3.2C.
1.3.2D. :1s
1.3.2D. :2s
1.3.2D. :3s
1.3.2E.
1.3.2F. :1s
1.3.2F. :2s
1.3.2F. :3s
1.3.2F. :4s
1.3.2F. :5s
1.3.2G. :1s
1.3.2G. :2s
1.3.2H.
1.3.2I.
1.3.3A.1. :1s
1.3.3A.1. :2s

~ = Not yet accepted

| Implementation stat. & verif. | Implementing requirement id | Owner id | Document id | Req. stat | Rev & Chg/ Effective | Requirement id |
|----------------------------------|--------------------------------|-------------|-------------------|--------------|-------------------------|--|
| y | N/A | OQA | DOE/RW-0333P QARD | | 0 | 1.3.3A.1. :3s 1.3.3A.1.a. 1.3.3A.1.b. 1.3.3A.2. :1s 1.3.3A.2. :2s 1.3.3A.2. :3sa. 1.3.3A.2. :3sb. 1.3.3A.2. :3sc. 1.3.3B. :1s 1.3.3B. :2s 1.3.3B. :3s 1.3.3C. 1.3.3D. 2.2.2B. :2s2. 2.2.2C.2. 2.2.2C.3. :1s 2.2.3A. 2.2.3A.1. 2.2.3A.2. 2.2.3A.3. 2.2.3A.4. 2.2.3A.5. 2.2.3A.6. 2.2.3A.7. 2.2.3C. :1s 2.2.3C. :2s 2.2.3D. 2.2.3E. 2.2.3F.1. 2.2.3F.2. 2.2.3F.8. 2.2.3F.10. 2.2.7 :1s 2.2.7 :2sA. 2.2.7 :2sB. 2.2.7 :2sC. 2.2.8A. :1p 2.2.8A. :2p1. 2.2.8A. :2p2. 2.2.8A. :2p3. 2.2.8A. :2p4. 2.2.8A. :2p5. 2.2.8A. :2p6. 2.2.8A. :2p7. 2.2.8B. 2.2.8C.1. 2.2.8C.2. |

~ = Not yet accepted

RTNDB V21
May 23, 1994 1:07 PM

Requirements Traceability Network
Implementing document owner, id: USGS, N/A Rev: 0

Vers 2.1
(rt rpt)

| Implementation stat. & verif. | Implementing requirement id | Owner id | Document id | Req. stat | Rev & Chg/ Effective | Requirement id |
|----------------------------------|--------------------------------|-------------|-------------------|--------------|-------------------------|--|
| y | N/A | OQA | DOE/RW-0333P QARD | | 0 | 2.2.8C.3. 2.2.8C.4. 2.2.8C.5. 2.2.8D.1. 2.2.8D.2. 2.2.8D.3. :1sthru2s 2.2.8D.3.NOTE: 2.2.8E.1. 2.2.8E.2. 2.2.8E.3. 2.2.8E.4.a. 2.2.8E.4.b. 2.2.8E.4.c. 2.2.8E.4.d. 2.2.8E.4.e. 2.2.8E.4.f. 2.2.8E.4.g. 2.2.8E.4.h. 2.2.8F.1. 2.2.8F.2. 2.2.8F.3. 2.2.8F.4. 3.2.1A. 3.2.1B. 3.2.1C. 3.2.1D. 3.2.2A. 3.2.2B. 3.2.2C. 3.2.2D. 3.2.2E. 3.2.2F. 3.2.2G. 3.2.2H. :1s 3.2.2H. :2s 3.2.2I. 3.2.3A. 3.2.3B. 3.2.3C. 3.2.3D. 3.2.3E.1. 3.2.3E.2. 3.2.3E.3. 3.2.3E.4. 3.2.3E.5. 3.2.3E.6. 3.2.4A.1. |

~ = Not yet accepted

| Implementation stat. & verif. | Implementing requirement id | Owner id | Document id | Req. stat | Rev & Chg/ Effective | Requirement id |
|----------------------------------|--------------------------------|-------------|-------------------|--------------|-------------------------|-------------------|
| Y | N/A | OQA | DOE/RW-0333P QARD | | 0 | 3.2.4A.2. |
| | | | | | | 3.2.4A.3. |
| | | | | | | 3.2.4B. |
| | | | | | | 3.2.4C. |
| | | | | | | 3.2.4D. :1s |
| | | | | | | 3.2.4D. :2s1. |
| | | | | | | 3.2.4D. :2s2. |
| | | | | | | 3.2.4D. :2s3. |
| | | | | | | 3.2.4D. :2s4. |
| | | | | | | 3.2.4E. |
| | | | | | | 3.2.4E.1. |
| | | | | | | 3.2.4E.2. :1s |
| | | | | | | 3.2.4E.2. :2s |
| | | | | | | 3.2.4E.3. |
| | | | | | | 3.2.4F. |
| | | | | | | 3.2.4G. |
| | | | | | | 3.2.4H.1. |
| | | | | | | 3.2.4H.2. |
| | | | | | | 3.2.4H.3. |
| | | | | | | 3.2.4H.4. :1s |
| | | | | | | 3.2.4H.4. :2s |
| | | | | | | 3.2.5A. |
| | | | | | | 3.2.5B. |
| | | | | | | 3.2.5C. |
| | | | | | | 3.2.5D. |
| | | | | | | 3.2.5E. |
| | | | | | | 3.2.6 |
| | | | | | | 3.2.7A. |
| | | | | | | 3.2.7B. |
| | | | | | | 3.2.7C. :1s |
| | | | | | | 3.2.7C. :2s |
| | | | | | | 3.2.7D. |
| | | | | | | 3.2.7E. |
| | | | | | | 3.2.7F. |
| | | | | | | 3.2.7G. |
| | | | | | | 3.2.7H. |
| | | | | | | 3.2.8A. |
| | | | | | | 3.2.8B. |
| | | | | | | 3.2.8C. |
| | | | | | | 3.2.8C.1. |
| | | | | | | 3.2.8C.2. |
| | | | | | | 3.2.8D. :1s |
| | | | | | | 3.2.8D. :2s |
| | | | | | | 3.2.8E. |
| | | | | | | 3.2.8F. |
| | | | | | | 3.2.9A. |
| | | | | | | 3.2.9B. |

- = Not yet accepted

| Implementation stat. & verif. | Implementing requirement id | Owner id | Document id | Req. stat | Rev & Chg/ Effective | Requirement id |
|----------------------------------|--------------------------------|-------------|-------------------|--------------|-------------------------|---|
| y | N/A | OQA | DOE/RW-0333P QARD | | 0 | 3.2.9C. 3.2.9D. 3.2.9E. :1s 3.2.9E. :2s 3.2.9F. 5.2.2B. 7.2.2B. :2s 7.2.7A. 7.2.7B. :1s 7.2.7B. :2s 7.2.7C. 7.2.7D. 7.2.7E. 7.2.7F. :1s 7.2.7F. :2s 7.2.9A. 7.2.9B. 7.2.9C. 7.2.9D. 7.2.9E. 7.2.10 7.2.11 7.2.11A. 7.2.11B. :1s 7.2.11B. :2s1. 7.2.11B. :2s2. 7.2.11B. :2s3. 7.2.11B. :2s4. 7.2.11C. 7.2.11D. 7.2.12A. :1s 7.2.12A. :2s 7.2.12B. 7.2.12C. 7.2.12D.1. 7.2.12D.2. 7.2.12D.3. 7.2.12D.4. 8.2.1A. 8.2.1B. 8.2.2A. :1s 8.2.2A. :2s 8.2.2B.1. 8.2.2B.2. 8.2.2B.3. 8.2.2B.4. 8.2.3A. |

~ = Not yet accepted

| Implementation stat. & verif. | Implementing requirement id | Owner id | Document id | Req. stat | Rev & Chg/ Effective | Requirement id |
|----------------------------------|--------------------------------|-------------|-------------------|--------------|-------------------------|--|
| y | N/A | OQA | DOE/RW-0333P QARD | | 0 | 8.2.3B. 8.2.4A. 8.2.4B. 8.2.4C. :1s 8.2.4C. :2s1. 8.2.4C. :2s2. 8.2.4C. :2s3. 9.2.1A. 9.2.1B.1. 9.2.1B.2. 9.2.1B.3. 9.2.1C. 9.2.2 :1s 9.2.2 :2sA. 9.2.2 :2sB.1s 9.2.2. :2sB.2s 9.2.2 :2sC. 9.2.3A. 9.2.3B. 9.2.3C. 10.2.1A. 10.2.1B. 10.2.1C. 10.2.1D. 10.2.1E. 10.2.1F. 10.2.1G. 10.2.1H. 10.2.1I. 10.2.2A. 10.2.2B. 10.2.2C. :1s 10.2.2C. :2s 10.2.3A. 10.2.3B. 10.2.4. 10.2.5A. :1s 10.2.5A. :2s 10.2.5B. 10.2.5C. 10.2.5D. 10.2.6A. 10.2.6B. 10.2.6C. 10.2.6D. 10.2.7A. 10.2.7B. |

~ = Not yet accepted

| Implementation stat. & verif. | Implementing requirement id | Owner id | Document id | Req. stat | Rev & Chg/ Effective | Requirement id |
|----------------------------------|--------------------------------|-------------|-------------------|--------------|-------------------------|--|
| y | N/A | OQA | DOE/RW-0333P QARD | | 0 | 10.2.8A. 10.2.8B. 10.2.8C. 10.2.8D. 10.2.8E. 10.2.8F. 10.2.8G. 10.2.8H. 10.2.8I. 10.2.9A. :1s 10.2.9A. :2s 10.2.9B. :1s 10.2.9B. :2s 10.2.9C.1. 10.2.9C.2. 10.2.9C.3. 10.2.9C.3.a. 10.2.9C.3.b. 10.2.9D. :1s 10.2.9D. :2s 10.2.9D.1. 10.2.9D.2. :1s 10.2.9D.2. :2sa. 10.2.9D.2. :2sb. 10.2.9D.2. :2sc. 10.2.9D.2. :2sd. 10.2.9D.2. :2se. 10.2.9D.3. :1s 10.2.9D.3. :2s 10.2.9E. :1s 10.2.9E. :2s 10.2.9E.1.a. 10.2.9E.1.b. 10.2.9E.1.c. 10.2.9E.2.a. 10.2.9E.2.b. 10.2.9E.2.c. 10.2.9E.2.d. 10.2.9E.3.a. 10.2.9E.3.b. 10.2.9E.3.c. 10.2.9E.3.d. 10.2.9F. 10.2.9G. :1s 10.2.9G. :2s1. 10.2.9G. :2s2. 10.2.9G. :2s3. |

~ = Not yet accepted

RTNDB V21
May 23, 1994 1:07 PM

Requirements Traceability Network
Implementing document owner, id: USGS, N/A Rev: 0

Vers: 2.1
(rt rpt)

| Implementation stat. & verif. | Implementing requirement id | Owner id | Document id | Req. stat | Rev & Chg/ Effective | Requirement id |
|----------------------------------|--------------------------------|-------------|-------------------|--------------|-------------------------|--|
| y | N/A | OQA | DOE/RW-0333P QARD | | 0 | 10.2.9G. :2s4. 10.2.9G. :2s5. 10.2.9G. :2s6. 10.2.9G. :2s7. 10.2.9G. :2s8. 10.2.9H.1. 10.2.9H.1.a. 10.2.9H.1.b. 10.2.9H.2. 10.2.9I.1. :1s 10.2.9I.1. :2s 10.2.9I.2.a. :1s 10.2.9I.2.a. :2s 10.2.9I.2.b. :1s 10.2.9I.2.b. :2s 10.2.9I.2.c. 10.2.9I.2.d. :1s 10.2.9I.2.d. :2s 11.1 :2p 11.1 :3p 11.2.1A. 11.2.1B. 11.2.1C. 11.2.1D. 11.2.1E. 11.2.1F. 11.2.1G. 11.2.1H. 11.2.1I. 11.2.2A. 11.2.2B. 11.2.2C. 11.2.2D. 11.2.2E. :1s 11.2.2E. :2s 11.2.3A. :1s 11.2.3A. :2s 11.2.3B. 11.2.4A. 11.2.4B. 11.2.5A. 11.2.5B. 11.2.5C. 11.2.5D. 11.2.5E. 11.2.5F. 11.2.5G. |

~ = Not yet accepted

| Implementation stat. & verif. | Implementing requirement id | Owner id | Document id | Req. stat | Rev & Chg/ Effective | Requirement id |
|----------------------------------|--------------------------------|-------------|-------------------|--------------|-------------------------|--|
| y | N/A | OQA | DOE/RW-0333P QARD | | 0 | 11.2.5H. 11.2.5I. 11.2.6 12.2.1C. :2s 13.2.1A. 13.2.1B. 13.2.2A. 13.2.2B. 13.2.2C. 13.2.2D. 13.2.2E. 13.2.3A. 13.2.3B. 14.2.1A. 14.2.1B. 14.2.2A. 14.2.2B. 14.2.2C. 14.2.2D. 14.2.2E. 15.2.1A. 15.2.1B. :1s 15.2.1B. :2s 15.2.1B. :3s 15.2.1C. 15.2.1D. 15.2.1E. 15.2.1F. 15.2.2A. :1s 15.2.2A. :2s 15.2.2B. 15.2.3A. 15.2.3B. 15.2.4A. 15.2.4B. 15.2.4C. 15.2.4C.1. 15.2.4C.2. 15.2.4D. :1s 15.2.4D. :2s 15.2.5 17.2.3E. :1s 17.2.3E. :2s1. 17.2.3E. :2s2. 17.2.3E. :2s3. 17.2.7A. 17.2.7B. :1s |

~ = Not yet accepted

| Implementation stat. & verif. | Implementing requirement id | Owner id | Document id | Req. stat | Rev & Chg/ Effective | Requirement id |
|----------------------------------|--------------------------------|-------------|-------------------|--------------|-------------------------|---|
| y | N/A | OQA | DOE/RW-0333P QARD | | 0 | 17.2.7B. :2s1. 17.2.7B. :2s2. 17.2.7B. :2s3. 17.2.8B. 17.2.8C. 17.2.9A.1. 17.2.9A.2. :1s 17.2.9A.2. :2s 17.2.9A.3. 17.2.9A.4. 17.2.9A.5. 17.2.9A.6. 17.2.9A.7. 17.2.9A.8. 17.2.9A.9. :1s 17.2.9A.9. :2s 17.2.9B. 17.2.9C. 17.2.9D. 18.2.2B. :1s 18.2.2B. :2s 18.2.7G. I.1 (NOT A REQUIREMENT) II.2.6E. II.2.6E.1. II.2.6E.2. III.2.4B. III.2.4C. III.2.4D.1.a. III.2.4D.1.b. III.2.4D.1.c. III.2.4D.1.d. III.2.4D.2. :1s III.2.4D.2. :2sa. III.2.4D.2. :2sb. III.2.4D.3.a. III.2.4D.3.b. IV.2.1A. IV.2.1B. IV.2.2 A.2.1 A.2.2A.1. A.2.2A.2.a. A.2.2A.2.b. A.2.2A.2.c. A.2.2B.1. A.2.2B.2.a. |

~ = Not yet accepted

RTNDB V21
May 23, 1994 1:07 PM

Requirements Tr Ability Network
Implementing document owner, id: USGS, N/A Rev: 0

Vers: 2.1
(rt rpt)

| Implementation stat. & verif. | Implementing requirement id | Owner id | Document id | Req. stat | Rev & Chg/ Effective | Requirement id |
|----------------------------------|--------------------------------|-------------|-------------------|--------------|-------------------------|--|
| y | N/A | OQA | DOE/RW-0333P QARD | | 0 | A.2.2B.2.b. A.2.2B.2.c. B.2 B.2.1A. :1s B.2.1A. :2s B.2.1B. C.2.1 C.2.2 |

~ - Not yet accepted

QUALITY ASSURANCE POLICY
Yucca Mountain Project - U.S. Geological Survey

The U.S. Geological Survey is committed to providing earth sciences data and interpretations of the highest quality to the people of the United States. It is the policy of the U.S. Geological Survey that all products resulting from its earth science activities meet the highest standards for scientific work.

To fulfill this commitment for activities supporting the U.S. Department of Energy's Yucca Mountain Site Characterization Project, the U.S. Geological Survey has established the YMP-USGS Quality Assurance Program. The objective of the YMP-USGS Quality Assurance Program is to ensure that quality is integrated into all Yucca Mountain Project activities and adequate documentation exists to substantiate that quality.

The achievement of quality is the responsibility of all personnel assigned to the Yucca Mountain Project. Personnel working on Yucca Mountain Project activities will meet the requirements described in the YMP-USGS Quality Assurance implementing documents.



Director
U.S. Geological Survey

July 12, 1993

Date