



CHANGE NOTICE

CN No.: 3.5-0-2

Effective Date: 10/8/91

Affected Document: 033-YMP-QP 3.5, "Control of Internal Technical Interfaces"

J. Blink
Prepared by:

N/A
Approved by: (Technical Area Leader) Date

[Signature] 10/1/91
Approved by: (YMP QA Manager) Date

[Signature] W. Clarke 10/1/91
Approved by: (YMP Leader) Date

Training Required: Yes [] No [X]

Major Changes []

Minor Changes [X]

Reason for Change:

Clarification, to permit use of the procedure for activities not designated "quality affecting".

1. Section 3.5.2, Change the section to read:

"This procedure applies to quality affecting activities and may be used for non-quality affecting activities.

Internal technical interfaces between Technical Areas are controlled by this procedure. These methods may also be implemented by the Technical Area Leader to provide interface control between technical activities within a Technical Area and for transmittal of information to organizations not included in the DOE OCRWM program.

External technical interfaces to other Participants and to the Department of Energy are controlled in accordance with DOE Project Office procedures. Technical interfaces to subcontractors are controlled in accordance with QP 4.0, Procurement Document Control."

NOT - THIS CHANGE NOTICE IS TO BE FILED AT THE FRONT OF THE AFFECTED DOCUMENT

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PDR WASTE
WM-11

PDR



CHANGE NOTICE

CN No.: 3.5-0-1Affected Document: 033-YMP-OP 3.5, "Control of Internal Technical Interfaces," Rev.0Prepared by: Raymond E. HamatiApproved by: N/A
(Technical Area Leader) (Date)Approved by: RK Dany 2-14-91
(YMP QA Manager) (Date)Training Required:
Yes No Approved by: Fahim Fadiha 2/20/91
(YMP Project Leader) (Date)Currently Read as Follows:

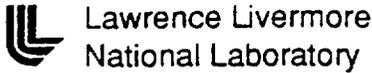
1. Section 3.5.1, Second sentence: As published
2. Section 3.5.2, First paragraph: As published
3. Section 3.5.2, Second paragraph, Second sentence: As published
4. Section 3.5.4, Fourth paragraph, Second sentence: As published

CHANGED TO READ:

1. Section 3.5.1, Second sentence: Replace "Performance Assessment" with "Performance Analyses"
2. Section 3.5.2, First paragraph: "This procedure applies to quality affecting activities and may be used for non-quality affecting activities. Internal for use in quality affecting activities."
3. Section 3.5.2, Second paragraph, Second sentence: Replace "or Quality Assurance Level III" with "for non-quality affecting"
4. Section 3.5.4, Fourth paragraph, Second sentence: Replace "Quality Assurance Level I and II" with "quality affecting"

NOTE: THIS CHANGE NOTICE IS TO BE FILED AT THE FRONT OF THE AFFECTED DOCUMENT

University of California



YUCCA MOUNTAIN PROJECT

CONTROLLED COPY NO. 100

No.: 033-YMP-QP 3.5

Revision: 0

Date: 11/30/89

Page: 1 of 4

Subject: CONTROL OF INTERNAL TECHNICAL INTERFACES

Approved:

Approved by: *[Signature]* 11/30/89 Yucca Mountain Project Leader
Approved by: *[Signature]* 11/30/89 YMP Quality Assurance Manager

3.5.1 PURPOSE

This procedure describes the method used on the LLNL YMP to control internal technical/scientific information interfaces. This includes the transmittal of data and models to the Performance Assessment Technical Area as well as transmittals between any two technical areas. Control of interfaces includes: identification of the interfaces, traceability of incoming information, authorization to transmit information for use, controlled distribution of information, status identification, and replacement of obsolete information.

3.5.2 SCOPE

This procedure applies to Quality Assurance Level I & II activities and may be used for Quality Assurance Level III activities. Internal technical interface control includes the transmittal of information between Technical Area Leaders for use in Quality Assurance Level I & II activities.

Internal technical interfaces between Technical Areas are controlled by this procedure. These methods may be implemented by the Technical Area Leader to provide interface control between technical activities within a Technical Area, or Quality Assurance Level III activities, and for transmittal of information to organizations not included in the DOE OCRWM program and its Yucca Mountain Project. External technical interfaces to other Participants and to the Department of Energy are controlled in accordance with DOE Project Office procedures. Technical interfaces to subcontractors are controlled in accordance with QP 4.0, PROCUREMENT CONTROL AND DOCUMENTATION.

3.5.3 RESPONSIBILITIES

The Task Leaders are responsible for preparing and approving the technical information to be transmitted in accordance with the applicable Quality Procedures and for initiating the technical information transmittals.

The Technical Area Leaders are responsible for approving both the content of the technical information and transmittals, for identifying and changing any other technical documentation in their technical areas that require conformance, and for obtaining approval of any other Technical Area Leader with interface responsibilities. Technical Area Leaders with interface responsibilities are responsible for identifying and changing any of their own technical documentation that contains conflicting or obsolete information.

Document Control is responsible for issuing and logging serialized transmittal forms, for maintaining controlled distribution of transmittals, for distributing copies, and for the transmitting to the LRC.

3.5.4 DEFINITIONS

INTERFACE - an organizational boundary across which technical and quality assurance information, including any revisions thereto, must be formally transferred. An organizational interface occurs when the actions of one organization influence a separate organization's actions, production, or operations. Interfaces exist between LLNL YMP Technical Areas as well as between YMP organizations and other DOE OCRWM participants.

ASSUMPTIONS - are values or conditions assigned by individual judgement while awaiting actual test data, confirmation of the conditions, or acceptance by Peer Review in accordance with QP 2.2, PEER REVIEW. Inputs obtained from activities not conducted under a 10 CFR Part 60, Subpart G quality assurance program may be identified as assumptions prior to acceptance according to QP 2.5, ACCEPTANCE OF DATA NOT GENERATED UNDER CONTROL OF THE YMP QAPP.

INPUT - incoming information, including data, mathematical models, computer models, and evaluations used at face value and for which the originating organization remains responsible.

PRELIMINARY - indicates that the information transmitted is not qualified by full implementation of the LLNL YMP Quality Assurance Program Plan. This status may be the result of: the use of computer codes released before verification; models that have not been validated, assumptions that are not yet shown to be true, or other exceptions to Quality Assurance Level I & II administrative or technical requirements. Any exceptions to full qualification will be listed on the transmittal (Exhibit A) by the originator(s).

FINAL - indicates that the information transmitted is fully qualified in accordance with the LLNL-YMP quality assurance requirements. The originator(s) is responsible for demonstrating traceability and qualification in accordance with the LLNL YMP quality assurance requirements.

3.5.5 PROCEDURE FOR INTERNAL INTERFACE CONTROL

- | | | |
|---|---------|--|
| Task Leader (or designee): | 3.5.5.1 | Identifies the need for information transfer or responds to a request from others, and initiates the Technical Information Transmittal Form (TITF), Exhibit A. |
| Document Control: | 3.5.5.2 | Assigns a unique number to the TITF and initiates the TITF log entry. |
| Task Leader (or designee) | 3.5.5.3 | Completes the TITF and submits it and the technical information to the Technical Area Leader for approval. |
| Technical Area Leader :
(originating organization) | 3.5.5.4 | Assures that the TITF and information being transferred are complete and correct, and completes distribution. |
| | 3.5.5.5 | Identifies other Technical Areas that are affected by the information. |
| | 3.5.5.6 | Approves the transmittal and forwards the TITF with information being transmitted to other Technical Area Leaders or to Document Control. |

Technical Area Leader:
(affected organization)

3.5.5.7 Approves the TITF.

3.5.5.8 Initiates changes to affected activities and documents within his own technical area.

3.5.5.9 Sends the TITF and information to Document Control after all necessary approvals are obtained.

Document Control:

3.5.5.10 Upon receipt, assigns the interface number (if not previously assigned) and logs the TITF and the status.

3.5.5.11 Maintains distribution lists.

3.5.5.12 Provides a record to the Local Record Center.

3.5.5.13 Distributes the controlled information to distribution provided on the TITF by the originator/TAL.

3.5.6 CHANGES

Any changes to the Technical Information Transmittal Form or the contents of input previously transmitted are approved and distributed in the same manner as was used for the original except that a new TITF with a new number will be processed.

3.5.7 QUALITY ASSURANCE RECORDS

Technical Information Transmittal Form with attached input.

TECHNICAL/SCIENTIFIC INFORMATION TRANSMITTAL

Technical Information Interface Number: _____
 Date: _____
 Page 1 of _____

Task name: _____ W.B.S. Number: _____
 Activity Number: _____

SIP or SP Activity Description: _____
 Originator(s): _____
 Requestor(s)/Recipient(s): _____
 Brief description of attached interface information: _____

Status(mark one): FINAL PRELIMINARY
 List of exceptions, if PRELIMINARY: _____

Approved for transmittal and use: _____
Task Leader/Date

Technical Areas affected: _____ _____ _____ _____	Distribution Requested: _____ _____ _____ _____
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Approved for transmittal and use: _____
Technical Area Leader/Date

Approvals by affected organizations:

Technical Area	Technical Area Leader	Date
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Received by Document Control: _____
Acknowledge/Date