PROCEDURE | Page 1 of 16

ICMS Content ID: APS 1273342

DNS#: APS-PPR-ADM-000-A022-000036

Revision #: 6

Issue Date: 5/22/18
Review Period: 1 year

Supersedes: Rev. 5, 2/4/14 Last Reviewed: 5/22/18

# **Managing APS Documents Policy**

## Changes made in this revision:

- Replaced N. Arnold with J. Toeller as an author
- Revised 3<sup>rd</sup> paragraph of Section 2 Scope
- Changes made to facilitate use of the new Document Management System and restricting use of group shared drives for approved document repositories.
- Removed Engineering Document Portal and Engineering Document Numbers
- Updated Appendix B

## Prepared by:

- S. Davey, AES
- J. Maclean, AES
- J. Toeller, AES

## Reviewed by:

AES/ADD-CS

**AES Division Director** 

**ASD Division Director** 

XSD Division Director

HSE PSC Safety Manager

**APS** Upgrade Director

## Approved by:

APS Deputy Associate Laboratory Director, Operations

PROCEDURE | Page 2 of 16

ICMS Content ID: APS\_1273342

DNS #: APS-PPR-ADM-000-A022-000036

Revision #: 6

## **Table of Contents**

| 1  | Purpose    | 9   | 3  |
|----|------------|---|----|
| 2  | Scope      |   | 3  |
| 3  | Definition | ons   | 5  |
| 4  | Policy     |   | 6  |
| 5  | Adminis    | strative and R&D Documents  | 6  |
|    | 5.1 App    | proved Repositories for Administrative and R&D Documents  | 7  |
| 6  | Engine     | ering Documents   | 7  |
|    | 6.1 App    | proved Repositories for Engineering Documents   | 8  |
|    | 6.1.1      | Windchill (PDMLink)   | 9  |
|    | 6.1.2      | Vault   | 9  |
|    | 6.1.3      | ICMS  | 9  |
|    | 6.1.4      | Historical APS Document Control Center (DCC)  | 9  |
|    | 6.1.5      | APS approved electronic file systems with revision control located or centrally managed APS servers |    |
|    | 6.1.6      | APS Component Database (CDB)  |    |
|    | 6.1.7      | eTravelers  |    |
|    | 6.1.8      | Division-approved electronic file systems   | 10 |
|    | 6.1.9      | Division-approved hard copy file systems  | 10 |
| 7  | Control    | ed Document   | 11 |
| 8  | The Ele    | ectronic Document Control Center (eDCC)   | 11 |
| 9  | Respon     | sibility for Document Validity  | 12 |
| 10 | Require    | ements for Document Repositories for Controlled Documents   | 12 |
| 11 | l Referer  | nces - Source Requirements  | 13 |
| 12 | 2 Correct  | ions, Feedback, and Improvement   | 13 |
| Αį | opendix A  | A - APS Repositories for Controlled Documents   | 14 |
| Αį | opendix E  | 3   | 15 |
|    | Sample     | 1 - APS Document File Plan for R&D Documents  | 15 |
|    | Sample 2   | 2 - APS Document File Plan for Administrative Documents   | 16 |

PROCEDURE | Page 3 of 16

ICMS Content ID: APS\_1273342

DNS #: APS-PPR-ADM-000-A022-000036

Revision #: 6

## **Managing APS Documents Policy**

## 1 Purpose

This policy sets standards that will ensure important APS documents are retained and are retrievable.

## 2 Scope

This policy covers APS documents that are required to:

- Maintain a safe work environment;
- Maintain reliable and efficient operations; and
- Record the business and R&D activities of the APS

It ensures the APS complies with document retention requirements of Argonne and the DOE.

In general, if a document is related to the configuration, continuing operation or institutional memory of the APS, then it shall be archived in an APS-approved repository.

This policy does not cover documents that if not available in an APS-approved repository, will have little or no impact or cost to the APS. In general, only the custodian of such a document will need to access it as part of their job at the APS.

Figure 1 shows how the policies and procedures governing document management at the APS fit together.

PROCEDURE | Page 4 of 16

ICMS Content ID: APS\_1273342

DNS #: APS-PPR-ADM-000-A022-000036

Revision #: 6

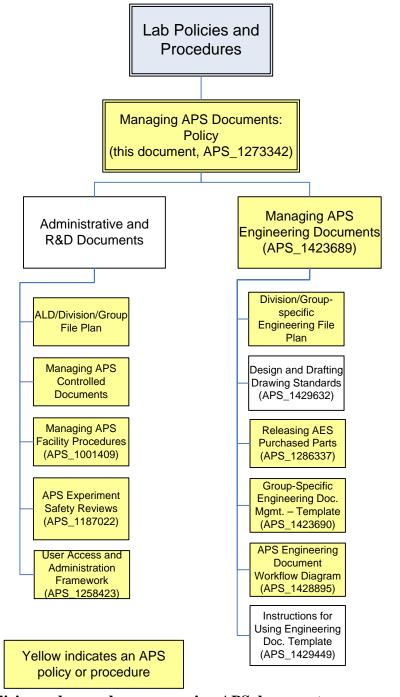


Figure 1. Policies and procedures governing APS document management.

PROCEDURE | Page 5 of 16

ICMS Content ID: APS\_1273342

DNS #: APS-PPR-ADM-000-A022-000036

Revision #: 6

#### 3 Definitions

For the purpose of this policy

- Document: Information and its supporting media (e.g., paper or electronic)
- Controlled Document: A type of document identified by the APS to be managed under a formal procedure that prescribes how the document is created, revised, approved, periodically reapproved, and made available to users to avoid use of obsolete or unapproved versions. (LMS Dictionary)
- Administrative Document: Administrative documents record how the APS
  executes its business operations and managerial functions
  (e.g., policies, procedures, operations log books, official business communications
  and agreements, user registrations, beam time proposals and allocations, work
  authorizations, experiment safety reviews, committee records, etc.). (APS Staff)
- Engineering Document: The term engineering document refers to any document, drawing, sketch, file, etc., that is used to describe the design, fabrication, installation, operation, and maintenance of APS technical systems. The term "drawing" may at times be used for clarity in a specific context, for it is one type of engineering document. (APS Staff)
- *R&D Document*: R&D documents are a product of research activities (e.g., APS technical publications such as Light Source Notes) (APS Staff)
- *APS-Approved Repository*: A place/tool for collecting documents, approved by the APS Deputy Associate Laboratory Director for Operations. Tools typically provide for review/approval (e.g., workflow), revision controls, and accessing readable current versions (see Section 7 for required functions and Appendix A for a model description of a repository). (APS Staff)
- Document Management System (DMS): APS document repositories and archiving, search, and retrieval tools including the Electronic Document Control Center and the Component Database.
- *Electronic Document Control Center (eDCC):* An on-line application that includes the Document Numbering System, a document search tool that allows searches across multiple repositories, and a tool for aggregating and organizing links to documents.
- Document Numbering System (DNS): A tool used to assign a unique number to a
  document. It also ensures a consistent numbering scheme is used for all APS
  documents. All new documents placed in APS-Approved Repositories shall be
  assigned a document number by the DNS.
- Component Database (CDB): A tool to assist in documenting, organizing, and tracking hardware components used at the APS.

PROCEDURE | Page 6 of 16

ICMS Content ID: APS\_1273342

DNS #: APS-PPR-ADM-000-A022-000036

Revision #: 6

## 4 Policy

This policy defines requirements that ensure:

- important documents are properly managed;
- a consistent standard for retention and retrieval of documents:
- divisions and groups have file plans that describe how their documents will be managed; and
- APS implements lab and DOE document retention requirements and complies with <u>LMS-PROC-1</u>, <u>Implementation of Document Control Requirements</u>

If a document is designated as a *controlled document* to meet project or regulatory requirements, it must be maintained in an APS-approved repository.

All safety committee records shall be maintained in ICMS.

Documents controlled through an Argonne Laboratory-wide business system (e.g., financial, HR, travel, and procurement records) and those published in the open literature need not be managed in a local APS-managed system.

#### 5 Administrative and R&D Documents

The ALD Office, each Division Office, and each APS Group (unless specially exempted by the Division Director) will maintain a file plan. Each file plan breaks down:

- 1. documents the organization is responsible for,
- 2. the APS-approved repositories in which they will be maintained, and
- 3. controls on the documents

See Appendix B for sample file plans.

File plans shall be:

- Reviewed and approved every 2 years by the respective Division Directors
- In the form given in Appendix B
- Managed by the APS Policy and Procedure administrators
- Maintained in the ICMS with the following metadata attributes

PROCEDURE Page 7 of 16

ICMS Content ID: APS 1273342

APS-PPR-ADM-000-A022-000036

Revision #: 6

DNS #:

| Field             | Value  |
|-------------------|--|
| Document type     | Policy_Procedure   |
| Title             | <division group=""> File Plan</division>                                 |
| Security Group    | APS  |
| Secure To         | APSShare/PPAdmin   |
| Division          | <division></division>  |
| Ownership Group   | <pre><group, applicable="" if=""></group,></pre>                         |
| Comments/keywords | <pre><division group=""> admin administrative file plan</division></pre> |

The file plan records, for each type of document, the required document controls. These establish how documents are:

- *created* (e.g., online using an APS Oracle database tool, by Design & Drafting as directed by a project engineer, from a committee chair, from a source external to the APS, etc.);
- approved (e.g., workflow and release requirements);
- revised (e.g., who can check-in/check-out, document security, etc.);
- periodically reviewed/reapproved; and
- *accessed*, ensuring that the approved, current revision is the one available to users of the document.

The requirements for reviews, approvals, and revisions of APS documents can be included in the APS and Laboratory policies and procedures that govern the creation of the documents. Also, as determined by managers, local procedures may be implemented to govern the creation and control of documents.

## 5.1 Approved Repositories for Administrative and R&D Documents

APS administrative and R&D documents may be controlled in:

- 1. ICMS;
- 2. APS Business databases provided the system can generate a duplicate of the original document;
- 3. The historical APS Document Control Center (DCC) for historical documents only
- 4. Division-approved hard copy file systems (for legacy documents only).

## 6 Engineering Documents

Each group that produces engineering documents will create a "Group-Specific Engineering Document Management Plan" (referred to as a "group engineering file plan"). This guides the group in the details of controlling their engineering documents. The contents of this document will include:

- 1. The repositories that are to be used by the group
- 2. The appropriate workflow to be applied to a document

PROCEDURE | Page 8 of 16

ICMS Content ID: APS\_1273342

DNS #: APS-PPR-ADM-000-A022-000036

Revision #: 6

3. Group-specific drawing requirements, such as title block, format, etc. (if any)

- 4. Guidance for software applications to use for certain types of documents (if necessary)
- 5. Definition of a group-specific Alias Project Naming Convention (if any)
- 6. Definition of a group-specific Alias Document Naming/Numbering Convention (if any)
- 7. Definition of group-specific Search Fields or Meta-data (if any)

The procedure "Managing APS Engineering Documents" <u>APS\_1423689</u>, gives detailed information on how to complete the file plan, and how to manage engineering documents.

Group Engineering File Plans shall be:

- Reviewed and approved every 2 years by the respective Division Directors
- In the form given in <u>APS\_1423690</u> "Group-specific Engineering Document Management Plan Template"
- Managed by the APS Policy and Procedure administrators
- Maintained in the ICMS with the following metadata attributes

| Field             | Value   |
|-------------------|---|
| Document type     | Policy_Procedure  |
| Title             | <pre><division group=""> Group Engineering File Plan</division></pre> |
| Security Group    | APS   |
| Secure To         | APSShare/PPAdmin  |
| Division          | <division></division>   |
| Ownership Group   | <pre><group, applicable="" if=""></group,></pre>                      |
| Comments/keywords | <pre><group> engineering file plan</group></pre>                      |

## 6.1 Approved Repositories for Engineering Documents

APS Engineering documents may be controlled in:

- 1. Windchill (Creo models)
- 2. Vault (AutoCAD files)
- 3. The APS Integrated Content Management System (ICMS)
- 4. The historical APS Document Control Center (DCC) for historical documents only
- 5. APS approved electronic file systems with revision control located on centrally managed APS servers. Files other than software of firmware shall be available in a browser viewable format. All files shall have an APS document number and be searchable through the eDCC
- 6. APS Component Database (CDB) Component specific documents
- 7. APS eTravelers

PROCEDURE | Page 9 of 16

ICMS Content ID: APS\_1273342

DNS #: APS-PPR-ADM-000-A022-000036

Revision #: 6

8. Division-approved electronic file systems (for legacy documents only). Electronic files are to be saved on APS-managed servers.

9. Division-approved hard copy file systems (for legacy documents only).

#### 6.1.1 Windchill (PDMLink)

Windchill is a valid repository, primarily used for Creo 3D models. Windchill provides workflow tools designed specifically for the files it maintains.

The primary identifier of files in Windchill is the full path name to the file. The file name will be fields 5 and 6 of the DNS document number (Collection ID and Document ID) Note that since released documents from Windchill are transferred to ICMS, the file name must be unique across APS. A more intuitive name may be assigned as the document title.

#### 6.1.2 Vault

AutoDesk Vault is a valid repository, primarily used for AutoDesk products (e.g., AutoCad, Inventor, etc.). AutoDesk Vault provides workflow tools designed specifically for the files it maintains.

The primary identifier of files in Vault is the full path name to the file. The file name will be fields 5 and 6 of the DNS document number (Collection ID and Document ID)). Note that since released documents from Vault are transferred to ICMS, the file name must be unique across APS. A more intuitive name may be assigned as the document title.

#### 6.1.3 ICMS

ICMS is a valid repository for any engineering document. It has the advantage of automatically providing a viewable format for many types of source documents. There may or may not be a workflow required to revise documents in ICMS (see "Managing APS Engineering Documents" (APS 1423689) Approval Workflows).

The primary identifier of files in ICMS is the ContentID, which is guaranteed to be unique. Additionally, all new documents placed in the ICMS will also have a unique DNS document number.

### 6.1.4 Historical APS Document Control Center (DCC)

The Historical Document Control Center is a valid repository for historical documents only. It is a centralized location that houses paper documents, drawings and electronic media via video, compact disks, and floppy disks. This system provides the historical records of the APS including the reasons for change, the contributor, and the document's current status. This system is for reference only to aid in searching for historical documents that have not been updated to the new eDCC with new DNS Numbers.

PROCEDURE | Page 10 of 16

ICMS Content ID: APS\_1273342

DNS #: APS-PPR-ADM-000-A022-000036

Revision #: 6

# 6.1.5 APS approved electronic file systems with revision control located on centrally managed APS servers

Revision controlled electronic file systems are approved repositories for software, firmware, and files created by computer aided design software that are not routed through the Design and Drafting group (e.g. OrCAD, PSpice, etc.) Revision control software (e.g., cvs, subversion, etc.) will be used to create a repository of revisions. The group should describe a directory structure and tag name convention for use with the RCS. Files must be searchable by the eDCC. Files other than software or firmware must be available in a browser viewable format.

#### 6.1.6 APS Component Database (CDB)

• The APS Component Database is an approved repository for component specific documents such as manuals and vendor sheets. Records (e.g. survey data, QA data, etc.) may not be stored in the CDB.

#### 6.1.7 eTravelers

• eTravelers are maintained in their own database which is an approved repository for the eTravelers and the records created by the eTravelers.

#### 6.1.8 Division-approved electronic file systems

Division-approved electronic file systems are permitted for legacy documents only. They shall have the following characteristics:

- Located on centrally managed APS servers.
- Have an identified owner who is responsible for upkeep of the system
- New documents shall not be kept in these systems
- The group-shared file system must be accessible through the eDCC.
- The file system must be identified as an engineering document repository to the IT group to ensure proper backup procedures are in place. This identification is done within the Group-Specific Engineering Document Management Plan.
- The Group-Specific Engineering Document Management Plan will give guidance for what type of documents may be stored in the GSFS.

•

#### 6.1.9 Division-approved hard copy file systems

Division-approved hard copy file systems are permitted for legacy documentation only. They should have the following characteristics:

- Have an identified owner who is responsible for upkeep of the system
- If the file system contains sensitive information or PII the documents should be secured, e.g. in a locked file cabinet or office
- New documents should not be kept in these systems

PROCEDURE | Page 11 of 16

ICMS Content ID: APS\_1273342

DNS #: APS-PPR-ADM-000-A022-000036

Revision #: 6

#### 7 Controlled Document

Controlled documents must be under formal revision control and have an approval process for new releases and revisions. Controlled engineering documents must be stored in a content management system that supports these requirements, e.g., ICMS, Vault, Windchill.

<u>Table 1</u> indicates which repositories support the above workflows.

Table 1. Work Flows and Revision Tracking Capabilities per Repository Type

| Repository   | Staff-controlled /<br>Revision Tracking<br>(Not a controlled<br>document) | Controlled Document  (A formal change procedure including an approval workflow and Revision Tracking) |
|--|---|---|
| APS approved electronic file systems with revision control located on centrally managed APS servers. | X   |   |
| ICMS   | X   | X   |
| Vault  |   | X   |
| Windchill  |   | X   |

## 8 The Electronic Document Control Center (eDCC)

The Electronic Document Control Center is the hub of the Document Management System. The eDCC issues unique document numbers for all documents placed in approved repositories. Document numbers are comprised of six fields separated by a

dash: Field 1 – Field 2 – Field 3 – Field 4 – Field 5 – Field 6

Example document name: APS-DRW-VAC-LIN-A001-100100

- Field 1: Project APS (APS Operations), APSU (APS Upgrade), etc.
- Field 2: Document Type DWG (drawing), RPT (report) etc.
- Field 3: System Description of the system to which the document will apply, e.g. VAC (Vacuum), (BLS) Beamline/Frontend, MAG (magnet)
- Field 4: Machine Location Specific machine location where the document applies, e.g. LINAC, PAR, Storage Ring, etc.
- Field 5: Sequential Collection ID A unique sequential number designating a drawing package or collection. This number is assigned by the DNS.

  Each Collection ID is assigned a non-unique descriptive label by the user, i.e. "Design Reviews"
- Field 6: Document ID A user-defined alphanumeric or numeric, depending upon document collection needs. Similar to a LDN (logical drawing number).

The Document ID must be unique within a collection.

PROCEDURE Page 12 of 16

ICMS Content ID: APS 1273342

DNS #: APS-PPR-ADM-000-A022-000036

Revision #: 6

The eDCC also provides single point document search and retrieval capabilities across multiple repositories, and a "Container" tool that allows individual users to organize links to documents from various repositories into a single folder/file structure. These Containers can be set for public or private view.

## 9 Responsibility for Document Validity.

The contributor (staff person responsible for the documents) of any collection defined in the eDCC is fully responsible for ensuring that each eDCC entry is completely accurate and points to a valid (and viewable) document that is the intended document and revision.

# 10 Requirements for Document Repositories for Controlled Documents

A system requirements description shall be established for each APS-approved document repository that stores controlled documents to define the repository-specific controls to:

- approve documents;
- review and update as necessary and re-approve documents;
- ensure that changes and the current revision status of documents are identified;
- ensure that relevant versions of applicable documents are available at point of use;
- ensure that documents remain legible and readily identifiable; and
- prevent the unintended use of out-of-date documents and apply suitable identification to them if they are retained for any purpose.

(These controls are based on the ISO 9001 standard and Argonne document management requirements.)

System requirements descriptions shall be:

- In the form of the example given in Appendix A.
- Managed by the APS Policy and Procedure administrators
- They must be approved by the APS Deputy Associate Laboratory Director for Operations
- They will be maintained in the ICMS with the following metadata attributes:

PROCEDURE | Page 13 of 16

ICMS Content ID: APS\_1273342

DNS #: APS-PPR-ADM-000-A022-000036

Revision #: 6

| Field             | Value   |  |  |  |
|-------------------|---|--|--|--|
| Document type     | Specification   |  |  |  |
| Title             | <system> Document Repository Requirements,</system>                                     |  |  |  |
|                   | e.g. ICMS Document Repository Requirements  |  |  |  |
| Security Group    | APS   |  |  |  |
| Secure To         | APSShare/PPAdmin  |  |  |  |
| Comments/keywords | <pre><system>, <division appropriate="" if="" name,="">, e.g.</division></system></pre> |  |  |  |
|                   | Vault, AES  |  |  |  |

The AES Division Director will maintain descriptions for ICMS, the Oracle database, DCC, Windchill, and Vault. Any group requesting a new Division-approved controlled document repository will provide this system description.

## 11 References - Source Requirements

Argonne <u>LMS-PROC-1</u>, <u>Implementation of Document Control Requirements</u> (https://docs.anl.gov/main/groups/intranet/@shared/@lms/documents/procedure/lms-proc-1.pdf)

## 12 Corrections, Feedback, and Improvement

If you are using this procedure and have comments or suggested improvements for it, please go to the <u>APS Policies and Procedures Comment Form</u>\* to submit your input to a Procedure Administrator. If you are reviewing this procedure in workflow, your input must be entered in the comment box when you approve or reject the procedure.

Instructions for execution-time modifications to a policy/procedure can be found in the following document: Field Modification of APS Policy/Procedure (<u>APS 1408152</u>).

<sup>\*</sup> https://www.aps.anl.gov/Document-Central/APS-Policies-and-Procedures-Comment-Form

PROCEDURE | Page 14 of 16

ICMS Content ID: APS\_1273342 DNS #:

APS-PPR-ADM-000-A022-000036

Revision #:

## **Appendix A - APS Repositories for Controlled Documents**

Sample repository control document for ICMS

**Repository: ICMS** Date: 1 July 2011

Prepared by: <u>Steve Davey</u> Approved by: W. G. Ruzicka

| 1. | Indexing                      | nique ID for each document automatically assigned     |  |  |  |  |  |
|----|-------------------------------|---|--|--|--|--|--|
|    |                               | on check-in and multiple field metadata               |  |  |  |  |  |
| 2. | Legible Format                | pdf default   |  |  |  |  |  |
|    |                               | - native files saved, refinery automatically converts |  |  |  |  |  |
|    |                               | native files to .pdfs.                                |  |  |  |  |  |
| 3. | <b>Current Version</b>        | Persistent URL available for most recent revision     |  |  |  |  |  |
| 4. | Identification of Out-of-     | The default URL is the persistent URL to the most     |  |  |  |  |  |
|    | date Versions                 | recent version. Revisions available through version-  |  |  |  |  |  |
|    |                               | specific: 1) URLs or 2) links available through the   |  |  |  |  |  |
|    |                               | Content Information page for each document            |  |  |  |  |  |
| 5. | <b>Update/Version Control</b> | Check-in and check-out with each revision being       |  |  |  |  |  |
|    |                               | automatically saved                                   |  |  |  |  |  |
| 6. | Revision/Change               | - read/ write permissions specified for each document |  |  |  |  |  |
|    | Control                       | - revision history captured                           |  |  |  |  |  |
|    |                               | - workflow available                                  |  |  |  |  |  |
|    |                               | - revisions and revision history automatically saved  |  |  |  |  |  |
|    |                               | and identified with a revision number when updated    |  |  |  |  |  |
|    |                               | file is checked-in and released                       |  |  |  |  |  |
| 7. | Retention                     | Manual (records management tool being deployed in     |  |  |  |  |  |
|    |                               | 2012)   |  |  |  |  |  |
| 8. | Review & Approval             | 1. If review is required, workflow approval is        |  |  |  |  |  |
|    |                               | available   |  |  |  |  |  |
|    |                               | 2. If review not required, approved upon              |  |  |  |  |  |
|    |                               | submission  |  |  |  |  |  |

PROCEDURE | Page 15 of 16

ICMS Content ID: APS\_1273342

DNS #: APS-PPR-ADM-000-A022-000036

Revision #:

### **Appendix B**

## Sample 1 - APS Document File Plan for R&D Documents

Organization: PSC Date: 22 May 2018

|   | Group: EFOG                                       |                    | Approve                                     | Approved by: Bruce Glagola   |   |                                       |   |  |
|---|---|--------------------|---|--|---|---------------------------------------|---|--|
|   | <b>Document Type</b>                              | Reposito<br>ry     | Author                                      | Approval<br>Control  | Revision<br>Control                           | Periodic<br>Review                    | Access to<br>Current,<br>Approved<br>Revision                         | Additional<br>Document<br>Controls*  |
| 1 | Experiment<br>Safety<br>Assessment<br>Form (ESAF) | Oracle<br>database | Experiment<br>spokesperso<br>n              | Experiment<br>Safety<br>Review<br>Board                              | Per User<br>Policies<br>and<br>Procedure<br>s | Record,<br>no<br>periodic<br>review   | Oracle<br>database<br>generated                                       | Indexed by<br>PEN number<br>Retain 75years   |
| 2 | Experiment<br>Authorization<br>Form (EA)          | ICMS               | ESAF<br>System                              | Experiment<br>spokesperso<br>n and FC                                | Record,<br>no<br>revision                     | Record,<br>no<br>periodic<br>review   | Floor<br>Coordinato<br>r scans<br>signed<br>copy for<br>ICMS<br>entry | Retain 75<br>years   |
| 3 | Floor<br>Coordinator shift<br>log                 | Oracle<br>database | On-shift FC                                 | Upon entry<br>by FC  | Record,<br>no<br>revision                     | Record,<br>no<br>periodic<br>review   | Oracle<br>database<br>generated                                       |  |
| 4 | Configuration<br>Control Work<br>Permits (CCWP)   | ICMS               | Shielding<br>Engineer                       | As identified<br>on CCWP   | Record,<br>no<br>revision                     | Record,<br>no<br>periodic<br>review   | Persistent<br>URL in<br>ICMS  | Indexed by ICMS document number  Retain 75 years   |
| 5 | Floor<br>Coordinator<br>procedures                | ICMS               | As assigned<br>by User<br>Safety<br>Officer | ICMS<br>workflow<br>with User<br>Safety<br>Officer Final<br>Approval | ICMS,<br>secured to<br>FC                     | Bi-<br>annual<br>ICMS<br>workflo<br>w | Persistent<br>URL in<br>ICMS  | Managed with<br>APS policies<br>and<br>procedures,<br>per Managing<br>APS Facility<br>Procedures<br>(APS<br>document<br>APS_1001409<br>) |

<sup>\*</sup>Document Control Requirements may include:

- Indexing scheme
- Access to current version
- Change control process
- Retention requirements
- Metadata requirements

PROCEDURE | Page 16 of 16

ICMS Content ID: APS\_1273342

DNS #: APS-PPR-ADM-000-A022-000036

Revision #: 6

## Sample 2 - APS Document File Plan for Administrative Documents

Organization: APS Date: 1 July 2011

Group: <u>Safety Committee for Design Reviews</u> Approved by: <u>Steve Davey</u>

|   | Document<br>Type   | Repository | Author        | Approval<br>Control                    | Revision<br>Control                    | Periodic<br>Review                  | Access to<br>Current,<br>Approved<br>Revision | Additional<br>Document<br>Controls*              |
|---|--|------------|---------------|--|--|-------------------------------------|---|--|
| 1 | Safety Committee for Design Reviews (SCDR) Committee Records | ICMS       | SCDR<br>Chair | ICMS<br>workflow to<br>SCDR<br>members | ICMS<br>workflow<br>to SCDR<br>members | Record,<br>no<br>periodic<br>review | Persistent<br>URL in<br>ICMS                  | Indexed by ICMS document number  Retain 75 years |
|   |  |            |               |  |  |                                     |   |  |
|   |  |            |               |  |  |                                     |   |  |
|   |  |            |               |  |  |                                     |   |  |

<sup>\*</sup>Document Control Requirements may include:

- Indexing scheme
- Format
- Access to current version
- Change control process
- Retention requirements
- Metadata requirements