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**Supply**

**PRECIOUS METALS RECOVERY PROGRAM  
(PMRP)**

**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

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This instruction assigns responsibilities and establishes standard policies and procedures for management of the Vandenberg Air Force Base (AFB) Precious Metals Recovery Program (PMRP). It standardizes the control, accounting, and reclamation of materials which contain precious metals and identify management responsibility for control of the supplies and equipment required to support the PMRP. It applies to all organizations who possess, generate, store, and dispose of precious metal-bearing scrap or residue.

**SUMMARY OF REVISIONS**

The revision of this publication is to meet the format standards required by the Air Force. No content material has changed. Some required format changes have been made to allow for the conversion process.

**1. Responsibilities:**

**1.1. Installation Commander:** Appoints, in writing, an installation PMRP manager (and an alternate, when deemed appropriate) who will manage the program and act as the focal point for matters concerning the PMRP.

**1.2. The PMRP Manager, 30th Logistics Support Squadron (30 LSS/LGSM):**

- 1.2.1. Is responsible for the implementation of the installation PMRP.
- 1.2.2. Develop local instruction, operating instructions and supplements to comply with program requirements.
- 1.2.3. Maintain lists of organizational PMRP monitors and precious metals used.
- 1.2.4. Conduct annual surveillance visits of all organizational PMRP monitors.
- 1.2.5. Prepare quarterly precious metals transaction summary for the Commander, 30 LSS.

**1.3. Defense Reutilization and Marketing Office (DRMO):**

- 1.3.1. Provide acceptance, storage, safeguards and disposition for precious metals and precious metal bearing materials.
- 1.3.2. Determine if it is economical to recover precious metals or if it should be sold.
- 1.3.3. Provide receptacles to generating locations for collection of precious metals.

**1.4. Using Organizations:**

- 1.4.1. Appoint PMRP monitors (primary and alternates).
- 1.4.2. Appoint individuals other than monitors to receipt for, issue, and turn-in precious metals and precious metal-bearing items.
- 1.4.3. Appoint individuals to certify weight and witness harvesting of silver flake, silver cartridge/cell removal.
- 1.4.4. Establish a self-inspection program and publish unit operating instruction.

**2. Scope:** The PMRP encompasses silver, gold, and the platinum family. The platinum family includes platinum, palladium, iridium, rhodium, osmium, and ruthenium. Items bearing precious metals, but managed under other programs, are excluded from the precious metals program (e.g., due-in from maintenance (DIFM) and equipment items).

**3. Publications/Subject Matter Affecting Precious Metals Recovery Program Management:**

- 3.1. AFMAN23-110, Volume 6, Chapter 4, *Precious Metals Recovery Program* and HQ AFSPC, Supplement Number 1.
- 3.2. AFPD23-5, *Reusing and Disposing of Materiel*.
- 3.3. DoD Manual 4145.19-1, *Storage and Materiel Handling*.
- 3.4. DRMS Instruction 4160.14, *Instruction for Precious Metals for Defense Reutilization and Marketing Service (DRMS) and the Defense Reutilization and Marketing Office Stores*.
- 3.5. DoD Manual 4160.21, Chapters VI and XVII, *Defense, Reutilization and Marketing Manual*.
- 3.6. AFI31-209, *The Air Force Resource Protection Program*.
- 3.7. AFMAN23-110, Volume 2, Part 13, *Standard Base Supply Customers' Procedures*.

**4. PMRP Manager :**

- 4.1. Ensure development and implementation of local instruction and operating instructions to comply with overall program requirements.
- 4.2. Maintain a list of the organizations, organization monitor's and alternate's name, phone number, location, and as applicable, type of recovery equipment. It will also contain the kind of precious metal and high precious metal content items used, such as anodes, brazing rods, and solder, which have Controlled Item Code (CIC) "R" or Issue Exception Code (IEX) "P" assigned.
- 4.3. Maintain a record of fine precious metals that are furnished as government furnished materiel (GFM), to include contract number, and contractor's name and address.

- 4.4. Periodically review and audit records of using activities for use and turn-in of fine precious metals, scrap, and end items not on accountable supply records.
- 4.5. Ensure that each organization involved in the PMRP appoints a PMRP monitor and alternate.
- 4.6. Ensure organizations appoint, in writing, individuals who will issue and receipt for fine precious metals and items having a high content of precious metals which have been assigned CIC "R" or IEX "P."
- 4.7. Ensure each organization having an electrolytic recovery unit or silver recovery cartridges/cells appoints, in writing, individuals to harvest silver flake and sludge from the electrolytic units and silver recovery cartridges/cells.
- 4.8. Ensure each organization involved in the PMRP has a self-inspection program established.
- 4.9. Schedule and visit each participating organization annually for review of operations, documentation, training, and adherence to overall program requirements.
- 4.10. Perform "no notice" reviews as deemed appropriate. Prepare and maintain a report of findings.
- 4.11. Ensure correction of all discrepancies.
- 4.12. Obtain and keep a copy of any report generated which concerns the PMRP as a result of AFI31-209 requirements.
- 4.13. Apprise the servicing Defense Reutilization Marketing Office (DRMO) concerning required segregation of precious metals bearing scrap or any required scrap containers.
- 4.14. Notify the DRMO Precious Metals Area Representative (PMAR) of any requirements for precious metals recovery equipment, repair parts or supplies furnished by the Defense Logistics Agency (DLA) on a free issue basis. Also, ask the PMAR to provide relevant training workshops, seminars or briefings.
- 4.15. Maintain liaison with the DRMO PMAR to keep abreast of precious metals recovery techniques and to obtain or give assistance on the overall PMRP.
- 4.16. Ensure quantities of materiel, maintained by the organization or activity, which contain fine precious metals assigned CIC "R" or IEX "P", are audited semiannually by disinterested persons.
- 4.17. Monitor the on-hand quantities of silver recovery cartridges or cells.
- 4.18. Prepare a quarterly transaction summary (January, April, July and October) for the previous quarter of PMRP issues and turn-ins. Forward to 30 LSS/CC through 30 LSS/LGLS.

## **5. Using Organization:**

- 5.1. Cooperate to the fullest extent with the installation PMRP manager, the Resource Protection Executive Committee (RPEC), DRMO, and PMAR.
- 5.2. Write and publish operating instructions. Appoint in writing:
  - 5.2.1. PMRP monitors and alternates.
  - 5.2.2. Individuals, other than the monitor or alternate, to receipt for, issue, and turn-in fine precious metals and precious metal-bearing items. The appointed monitors will maintain appropriate auditable records on these transactions.

5.2.3. Individuals to harvest silver flake and sludge from electrolytic units and to remove and replace silver recovery cartridges/cells.

5.2.4. Individuals, not involved in the PMRP, to certify weight and witness the harvesting of silver flake and the silver cartridge/cell removal.

5.2.5. Individuals in areas of operations such as plating, grinding, boring, and stripping to receipt for, issue, and turn-in fine precious metals and precious metal-bearing scrap.

5.3. Maintain a self-inspection program to include, as a minimum, security of precious metals, periodic testing of hyposolution draining from electrolytic or cartridge/cell units to ensure unit is operating properly and in compliance with receipt, issue, and turn-in requirements.

5.4. Ensure proper handling, accountability, safeguarding and security of fine precious metals and high-content precious metal bearing items assigned CIC "R" or IEX "P", flake, sludges, etc.

## 6. Defense Reutilization and Marketing Office:

6.1. Accept accountability for, receipt, store, safeguard, and dispose of fine precious metals and precious metal-bearing materiel, scrap, and waste per DRMS Instruction 4160.14.

6.2. Determine if it is economical to recover the precious metal or if the materiel, scrap, or waste should be sold to recoup the approximate dollar value of the precious metal content.

6.3. Assist in determining the degree of segregation of scrap, identification of metals not readily determined without special expertise, and ensuring appropriate receptacles are provided for the generating locations.

## 7. Requisitioning and Use of Fine Precious Metals, Silver Recovery Cartridges, and Silver Recovery Cells:

### 7.1. Fine Precious Metals:

7.1.1. Using organizations will submit their requirements for fine precious metals to the PMRP manager.

7.1.2. Fine precious metals managed by Defense Industrial Supply Center are:

NOMENCLATURE	NSN
Gold	9660-00-042-7733
Silver	9660-00-106-9432
Platinum Granules	9660-00-042-7768
Platinum Sponge	9660-00-151-4050
Palladium Granules	9660-00-042-7765
Palladium Sponge	9660-01-039-0320
Rhodium	9660-01-010-2625
Iridium	9660-01-110-1937
Ruthenium	9660-01-039-0313

**7.2. Silver Recovery Cartridges/Cells and Precious Metal Recovery Equipment:** The PMRP manager and alternate will be the sole point of contact between the installation and the applicable area PMAR for requisitioning any items listed in [Attachment 1](#). These items will be issued free to the installation.

## **8. Turn-in Procedures:**

8.1. The installation PMRP manager controls the turn-in of all precious metals residue, except that residue generated by medical activities. Supply account 407PR will be used for all precious metal turn-ins.

8.2. Turn-ins will be accepted at the Receiving Section, Bldg. 5500, Bay A, the second Monday of each month from 0730-1130.

### **8.3. Generating activity responsibilities:**

8.3.1. Prepares AF Form 2005, Issue/Turn-In Request, in three copies. Make sure the AF Form 2005 shows the following:

8.3.1.1. Item Identification: National Stock Number (NSN) or Federal Stock Class (FSC) with Part Number (P/N).

8.3.1.2. Organization and Shop Code 407PR.

8.3.1.3. Deliver the AF Form 2005 and precious metal-bearing scrap, waste or refined precious metals to the installation PMRP manager according to paragraph [8.2](#).

### **8.4. PMRP Manager's responsibilities:**

8.4.1. Acknowledge receipt by signing the AF Form 2005. Return copy 2 to the generating activity. Forward copy 1 to Document Control (30 LSS/LGSPD). Use copy 3 for input processing.

8.4.2. Process all turn-ins through the Standard Base Supply System computer for accountability and documentation.

8.4.3. Coordinate with host DRMO to receive the scrap.

8.4.4. Arrange transportation with the Pickup and Delivery Section.

8.5. Turn-in silver flake and silver sludge harvested from electrolytic recovery units, silver sludge from plating shops and recovery cartridges/cells to DRMO on separate turn-in documents.

## **9. Precious Metals Indicator Codes (PMIC):**

9.1. These codes are listed in [Attachment 2](#), and indicate the existence or non-existence, approximate amount and type of precious metals contained in or on items of supply.

9.2. The PMIC can be assigned to NSN items only by the Item Manager who manages the NSN item.

**10. Resource Protection:** Specific protection requirements, i.e., need for alarms, controlled areas, physical security of plating tanks and facilities, will be determined locally.

**11. Precious Metals Master File (PMMF):** The PMMF is a microfiche product which lists all NSN items known to contain precious metal. The PMMF is available from the Defense Logistics Services Center, Attn: DLSC-WPCA, Federal Center, Battle Creek MI 49017-3084, on a free issue basis.

PAUL W. CURTIS, Colonel, USAF  
Commander, 30th Logistics Group

## Attachment 1

## PRECIOUS METALS EQUIPMENT

<b>National Stock Number (NSN)</b>	<b>Manufacturer's Part Number</b>	<b>Nomenclature</b>
6760-00-432-5702	N/A	Circulating Unit
6760-00-933-4342	N/A	Silver Estimating Paper
6760-00-451-5448	Type 1P	Cartridge, Silver Recovery (Black/ White)
6760-00-097-0144	Type 2 (Color)	PCartridge, Silver Recovery
Non-NSN	Cell, Silver Recovery	
6760-01-091-2957	Worldwide 3204	Junior Cartridge
6760-01-091-2958	Worldwide 3204	Junior Cartridge
6760-01-091-2959	Worldwide 320MS	Junior Cartridge
Non-NSN	Worldwide 7424 (6760-P7424)	24# Cartridge
6760-01-091-2960	Don Casey - 75 without reservoir, 3 1/2 gallon	Junior Cartridge
6760-01-091-4145	Don Casey - 75 3 1/2 gallons	Piggy Back Reservoir,
Non-NSN	P1547 (6760-P1547) plastic bottle, 5 gallons	General Purpose
Non-NSN	N/A equipment and spare parts. 6760 and part number of equip.	Electrolysis recovery

Using activity will maintain jacket file accountability of issued equipment.

## Attachment 2

## PRECIOUS METALS INDICATOR CODES (PMIC)

PMIC	DEFINITION
A	Item does not contain precious metal.
C	Item contains combination of two or more precious metals (silver, gold, platinum).
G	Item contains gold.
P	Item contains platinum family metals.
S	Item contains silver.
U	Precious metal type is unknown.
V	Precious metal type varies between manufacturers.

**NOTES:**

1. PMIC is a mandatory data element.
2. Invalid PMIC receives the HQ Return Code if not compatible with the characteristics data submitted/recorded in segment V.
3. PMIC "V" addresses an "or" situation which may be encountered by the computer where the presence or absence of precious metals varies between items of production for the same item of supply.
4. This information was extracted from DoD Manual 4100.39, *Defense Integrated Data System, April 1989, Volume 10, Chapter 4, Table 160.*