

ANNEX A

Accumulation and Submission of RAM generated by Units performing a Radioactive Commodity Leak Testing Program and/or as a result of Laboratory Operations

1. A separate container will be designated for each radionuclide used in the unit. Each container will be marked "Caution, Radioactive Material", bear the radiation symbol in black or magenta on a yellow background, and marked with the nuclide for which it is intended (i.e. Am-241, Ni-63). Container inner and outer surface should be painted. The individual responsible for performing the leak test is responsible for proper segregation and disposition of potentially contaminated items.
2. Each container will be lined with a strong plastic bag containing no rips, tears or punctures.
3. Each container will have an inventory sheet that will be changed out and sent along with the RAM from the container(s) at the necessary intervals.
4. Potentially contaminated items will be placed in the appropriate container and entered on the container inventory sheet.
5. No liquids will be placed in the container.
6. When transfer of RAM is deemed necessary the plastic bag will be sealed, removed from the container, and placed in another strong plastic bag containing no rips, tears, or punctures. The second bag will be sealed and labeled or marked "Radioactive, UN2910".
7. **Complete a DD Form 1348-1(A) as indicated at ANNEX E.**
8. Contact should be made to the RMPF prior to transportation.
NOTE: Transportation of RAM by a privately owned vehicle (POV) is not recommended.
9. No RAM should be sent thru Military Postal Service (MPS). **If RAM is to be shipped via Government transportation or commercial delivery service**, strictly adhere to the following procedures:
 - a. All shipments will be authorized by disposition instructions from the USAREUR/7A Safety Office and/or the RMPF.
 - b. The shipper shall package all of the RAM as specified in paragraph. 6., in a single strong-tight container, such as a cardboard, wooden, or fiberboard box or metal drum with sufficient packaging material (*No Styrofoam Peanuts*) to prevent damage to contents under conditions normally incident to transportation. All seams will be securely taped with nylon reinforced tape.

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c. After the material is packed, a RSO will monitor all sides including top and bottom of the container with a gamma survey meter (i.e. AN/PDR-77 or equivalent) to insure that the exposure rate at the surface of the container does not exceed 0.5 mRem/h (5 μ Sv/h). The RMPF should be contacted for further instructions if the measured exposure rate exceeds this value.

d. The container can be shipped as Radioactive Material, Excepted Package, Limited Quantity of Material, UN2910 in accordance with 49 CFR 173.421 and European ADR 2.2.7.9, and as such is exempt from specification packaging, shipping papers, certification, and labeling requirements specified in this section.

e. As per 49 CFR 173.422 and the European ADR 5.2.1.7.2, the outside of the package **MUST** show the UN identification of “ **UN2910** ”.

f. As per the ADR 2.2.7.9.7, the transport document (i.e. DD Form 1384, Bill of Lading) **MUST** show “ **UN2910** ”.

g. In accordance with 49 CFR 173.443(a) a RSO will insure that the removable contamination levels on the outside of the final shipping container is **not more than 0.4 Bq/cm² (beta/gamma) and less than 0.04 Bq/cm² (alpha)**. If the readings exceed these limits, a non-contaminated container should be used and an investigation initiated to determine the source of removable contamination.

10. Utilize the applicable mailing address noted for the RMPF in SOP 700-48, paragraph 6.i.