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| 1    | -    | Release per ECO-06050 | 10/27/14 | C. Millsaps | V. Vartanian |

**IMPORTANT INSTRUCTIONS – MUST READ**



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| <br>An OSI Systems Company | 2805 Columbia Street<br>Torrance, CA 90503 |
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**Description:**  
SHIPPING INSTR, COMMON CARRIER, RAP-FR-0005

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| DRAWN BY:<br>C. Millsaps     | DATE:<br>10/27/14 | ECN No.: <b>06050</b>            |                   |
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| USED ON:<br>20111575,<br>20111599 | NEXT ASSY:<br>23113014 | APPROVED BY:<br>V. Vartanian | DATE:<br>10/27/14 | SHEET 1 OF 6 |
|-----------------------------------|------------------------|------------------------------|-------------------|--------------|

**The Rapiscan Model DETECTRA HX Hand Held Explosive Detection Device contains a small amount of radioactive material.**

*The Ion Mobility Spectrometry (IMS) Cell Assembly contained within the tamper proof interior of the Rapiscan Systems Model DETECTRA HX hand held explosive detection device contains a small quantity of the radioisotope, Americium-241 (AM-241). Shipping radioactive substances is regulated by National and International Transportation laws. These laws must be followed with great detail.*

***WARNING: Anyone who ships, transports, or receives a Rapiscan Systems Model DETECTRA HX must be trained in accordance with (IAW) the National and International Transportation Training requirements.***

***WARNING: THE MODEL DETECTRA HX MAY NOT BE TRANSPORTED AS CHECKED OR CARRY ON LUGGAGE ON PASSENGER AIRPLANES IAW TRANSPORTATION REGULATIONS.***

THE FOLLOWING INSTRUCTIONS HAVE BEEN PROVIDED TO THE END-USER TO ASSIST IN THE PROPER TRANSPORT OF THE MODEL DETECTRA HX VIA COMMON CARRIER (*For Example: FedEx, UPS, DHL or other contracted shipping companies*).

**IT IS ULTIMATELY THE RESPONSIBILITY OF THE SHIPPER TO COMPLY WITH Transportation regulations.**

## **INSTRUCTIONS**

1. The Model DETECTRA HX contains up to 20 micro curies of Am-241. You will need to provide this information to the shipping company.
2. All packaging must be designed to prevent a release of hazardous material during normal transportation or storage of the material.
3. For the Rapiscan Systems Model DETECTRA HX, packaging and its contents must satisfy "Excepted Package" requirements of the transportation regulations.
4. Use the Model DETECTRA HX carrying case supplied by Rapiscan Systems as the shipping package to ensure the Excepted Package requirements are met.
5. Transportation regulations require "clear and legible" marking of the UN number on the outside of an excepted package. The UN Number for Rapiscan Systems Model DETECTRA HX in excepted packages is **UN2911**. Air transport regulation also requires a specific label to meet this requirement.

The Model DETECTRA HX may be shipped by a common carrier either by air or ground shipment, therefore; in order to meet compliance with Transportation regulations, Rapiscan has placed the label below on the carrying case prior to shipping the Model DETECTRA HX to the end user.

6. Verify that the transport label pictured below is on at least one side of the transport package (e.g., carrying case). If it is not, you must attach this label prior to shipping. This label must be on the external surface of the final shipping package.



7. Confirm that within the case there is a copy of the "Excepted Package Certificate" provided below. The end user must list an emergency contact that is aware of the details of the shipment. Transportation regulations require that the emergency contact be readily available by phone 24 hours in the event of an emergency during transport.
8. Prior to shipping, the Transportation regulations require that, all packages be surveyed for removable contamination. To meet this requirement, there must be either; 1) a current device leak test record within the past 6 months; or 2) the end user must perform a removable contamination survey on the external surface of the package used for transport to demonstrate compliance with Transportation regulations removable contamination limits.
9. A copy of either item 1) or 2) above must be placed inside the carrying case during transport along with the "Excepted Package Certificate".
10. Rapiscan Systems, Inc. recommends that, if you are going to ship/transport the DETECTRA HX regularly in commerce, a 6 month device wipe test be performed on the device. This eliminates the need to perform a package wipe test each time the Model DETECTRA HX is shipped/transported. It is the ultimate responsibility of the end user to comply with Transportation Regulatory Requirements.

11. Transportation regulations require that all openings containing the radioactive device be secured against unauthorized access during transport. In order to meet this requirement Rapiscan recommends using a onetime use security tag. These tags can be purchased at most shipping material suppliers. Once the package has been made ready for transport, close the transport case and secure the case using a one-time security tag as pictured below. Be sure to loop the tag through the padlock hole on the pelican case as seen below.



12. Prepare the shipping documents. Each document must state the shipment contains hazardous goods and must be signed by a trained Hazmat Employee who prepared the package and who is offering the package for shipment.
13. The Proper Shipping Name is the official designation of the material that is being shipped. The proper Shipping Name for a Rapiscan Model DETECTRA HX is:

**“Radioactive Material, Excepted Package-Instruments or Articles”.**

The UN number is a four digit code which allows emergency responders to identify the chemical being shipped. The UN number for Rapiscan Systems Model DETECTRA HX is: **UN 2911**

14. Contact a shipping company. Verify the company is certified to transport hazardous materials. Describe the Model DETECTRA HX and give all requested information to the contact person. If you are using a shipping company for the first time, you may be required to apply for permission to ship hazardous materials.
15. Make three copies of all documents. Save one copy for your records and provide the other two copies, along with the original, to your shipping company with the package.

# EXCEPTED PACKAGE CERTIFICATE

THIS PACKAGE CONFORMS TO THE CONDITIONS AND LIMITATIONS SPECIFIED IN 49CFR173.424 FOR RADIOACTIVE MATERIAL, EXCEPTED PACKAGE, INSTRUMENT OR ARTICLES, UN 2911.

Shipper: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Destination: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## EMERGENCY CONTACTS

To be completed by the Shipper

\_\_\_\_\_  
Emergency Contact Name Phone Number (24-Hour)