



# RADIOACTIVE

## 2017 DG Checklist

Tracking # \_\_\_\_\_

The continued offering of non-compliant dangerous goods packages may result in the embargo of your dangerous goods shipments by FedEx Express. Date \_\_\_\_\_

**DIRECTIONS:** Mark the appropriate box for each item to indicate if the shipment complies with the requirement.

- |   |   |
|---|---|
| <p>1. DG shipment acceptable to destination location. [eSRG] <input type="checkbox"/> Y <input type="checkbox"/> N</p> <p>2. <b>Package</b> in good condition and <b>free of leakage, odor, or external damage.</b> [5.0.2.4.1] <input type="checkbox"/> Y <input type="checkbox"/> N</p> <p>3. Package is within TI limits. <input type="checkbox"/> Y <input type="checkbox"/> N</p> <p>4. <b>023 air waybill</b> (IP1, IXF, ATA): Correct statements, as appropriate, in Handling Information box. [10.8.8.1] <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A</p> <p>5. Shipper's Declaration included. <input type="checkbox"/> Y <input type="checkbox"/> N</p> | <p>20. <b>a. Single Radionuclide:</b> Activity within limits for Type A packages. [Table 10.3.A] For domestic shipments only: Mo-99 A<sub>2</sub> = 0.74 TBq <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A</p> <p><b>b. Two or More Radionuclides:</b> Activity for each radionuclide does not exceed the applicable A<sub>1</sub> or A<sub>2</sub> value. [Table 10.3.A] <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A</p> <p>21. <b>More than one individual radionuclide in package.</b> Activity listed for each individual radionuclide. All Packed In One listed. [10.8.3.9.2] <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A</p> <p>22. <b>Two or more radionuclides in mixture or solutions.</b> Total activity listed for mixture or solution. Mixture or solution indicated in Quantity and Type of Packing (e.g. solid salt mixture or liquid salt mixture). [10.8.3.9.2, Steps 6 and 7; FX-03 (d)] <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A</p> <p>23. <b>Category of label</b> (e.g., I White, II Yellow, III Yellow). [10.8.3.9.3, Step 9] <input type="checkbox"/> Y <input type="checkbox"/> N</p> <p>24. <b>II Yellow and III Yellow:</b> Transport Index (TI) to one decimal place. [10.8.3.9.3, Step 9] <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A</p> <p>25. <b>II Yellow and III Yellow:</b> Dimensions of package in metric units. [10.8.3.9.3, Step 9] <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A</p> <p>26. <b>III Yellow:</b> TI must not exceed 10.0 per package. [Table 10.5.C] <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A</p> <p>27. <b>Special Form shipment:</b> Special form approval certificate number indicated on declaration (not required for U.S. domestic shipments). [10.8.3.9.4, Step 10] <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A</p> <p>28. <b>Special Form shipment:</b> Copy of approval, in English, attached (not required for U.S. domestic shipments). [10.8.3.9.4, Step 10] <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A</p> <p>29. <b>Type B package:</b> Design approval number indicated on declaration. [10.8.3.9.4, Step 10] <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A</p> <p>30. <b>Type B package:</b> Copy of approval document(s), in English, attached (not required for U.S. domestic shipments). [10.8.3.9.4, Step 10] <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A</p> <p>31. <b>Plutonium in Type B Package:</b> Specific approval documents from FedEx Legal/Radiation Physicist attached. [10.8.3.9.4, Step 10, FX-03 (a)] <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A</p> <p>32. <b>"I declare that all of the applicable air transport requirements have been met"</b> statement. [10.8.3.12.2] <input type="checkbox"/> Y <input type="checkbox"/> N</p> <p>33. <b>24-hour emergency response telephone number</b> if required by State or Operator variation. [2.8] <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A</p> <p>34. <b>Name, date, and shipper's signature</b> (signature may be typewritten for U.S. domestic shipments, including U.S. territories). [10.8.3.13; 10.8.3.14; 10.8.3.15] <input type="checkbox"/> Y <input type="checkbox"/> N</p> <p>35. Shipper's same signature next to <b>amendments and alterations</b> (changes). [10.8.1.7] <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A</p> |
|---|---|

**ON THE DECLARATION**

Tracking number may be completed by Shipper or DG Specialist. Shipper must provide 3 copies in English and at least 2 copies with red hatchings. (FX-08)

6. **Typewritten or computer-generated.** Some fields may be handwritten. [FX-07]  Y  N
7. **Shipper and consignee name and full address.** For 023 shipments, shipper's address includes country name. [10.8.3.1; 10.8.3.2]  Y  N
8. **Page of Pages.** [10.8.3.4]  Y  N
9. **Passenger and Cargo Aircraft or Cargo Aircraft Only** limitations correctly indicated. For Passenger and Cargo Aircraft:
- must be 3.0 TI or less per package
  - any statement indicating for use in research or medical diagnosis or treatment.
- Limitations include additional restrictions of States and Operators. [10.8.3.5; USG-10]  Y  N
10. **Radioactive** correctly indicated. [10.8.3.8]  Y  N
11. **UN number** preceded by prefix **"UN"**. [10.8.3.9.1, Step 1]  Y  N
12. **Proper Shipping Name.** [10.8.3.9.1, Step 2]  Y  N
13. **Class 7.** [10.8.3.9.1, Step 3]  Y  N
14. **Subsidiary risk(s)**, if applicable, in parentheses ( ) immediately following class or division. [10.8.3.9.1, Step 4]  Y  N  N/A
15. **Packing Group**, when applicable, corresponding to subsidiary risk. [10.8.3.9.1 Step 5]  Y  N  N/A
16. **Name or symbol of radionuclide(s)** (e.g., Ir-192, Mo-99). [10.8.3.9.2 Step 6]  Y  N
17. **Description of physical and chemical form** (e.g., liquid sodium iodide, solid metal) or **Special Form** (if not included in PSN for Type A package). [10.8.3.9.2, Step 6 (b)]  Y  N
18. **Number of packages and type of packaging** (e.g., 1 Type A, 1 Type B[U]). [10.8.3.9.2, Step 7]  Y  N
19. **Activity of radionuclide(s)** in Becquerels (e.g., Bq, MBq, GBq, TBq, etc). For fissile material, the total weight in grams or kilograms of the fissile material may be shown in place of activity. [10.8.3.9.2, Step 7]  Y  N



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### ON THE PACKAGE

36. **Number and type of packaging** correspond to declaration (not including Overpack), large enough to support all markings, labels, documentation and none are placed on the bottom of the package. FedEx branded packaging (including brown boxes) not used. [FX-06]  Y  N
37. **Shipper and Consignee name and full address** marked on package. [10.7.1.3.1]  Y  N
38. **UN number** preceded by prefix "UN" and **meets size requirements**. [10.7.1.2.4.1; 10.7.1.3.1]  Y  N
39. **Proper Shipping Name**. [10.7.1.3.1; 10.7.4.2.1]  Y  N
40. **Type A**: Marked with Type A, VRI code of origin country, and name of package certifier (may be Shipper). USA Type A package requires marking of USA DOT 7A Type A. [10.7.1.3.4]  Y  N  N/A
41. **Type B**: Marked Type B (U or M as appropriate) and design approval number and symbol (e.g. USA/9999/B(U)-96 Type B). [10.7.1.3.5]  Y  N  N/A
42. **Type IP**: Marked Type IP (e.g., Type IP-1, Type IP-2, Type IP-3 as appropriate), VRI code of origin country, and name of package certifier (may be Shipper). [10.7.1.3.3]  Y  N  N/A
43. **Gross weight (in metric units)** marked on package **if it exceeds 50 kg (110 lb)**, unless overpacked. [10.7.1.3.1]  Y  N  N/A
44. **Two correctly completed radioactive labels** on opposite sides. [10.7.3.1; 10.7.4.3.1]  Y  N
45. **Two subsidiary risk labels**, affixed adjacent to primary hazard labels. [10.7.4.2.3; 10.7.4.3.1]  Y  N  N/A
46. **Two Cargo Aircraft Only labels** on opposite sides and near hazard labels on same surface of package. [10.7.4.2.4]  Y  N  N/A
47. **One set of labels** must be located on the same side of the package near the Proper Shipping Name marking when package dimensions are adequate. [10.7.4.2.1]  Y  N  N/A
48. **Markings and label(s)** meeting IATA specifications, correctly applied (not obscured or covering required markings); irrelevant markings/labels removed or obliterated. [10.7.1.1; 10.7.2.1; 10.7.4.1]  Y  N

### OVERPACKS

 N/A

49. **"Overpack Used"** on declaration. [10.8.3.9.2, Step 8]  Y  N
50. **"Overpack"** appears on the package if all markings and labels are not visible. [10.7.1.4.1]  Y  N
51. **Multiple Overpacks**: Unique identification mark on both declaration and each overpack. (Tracking number may be used.) [10.7.1.4.2]  Y  N  N/A

### FISSILE RADIONUCLIDES:

**(U-233, U-235, Pu-239, OR Pu-241)**

### FISSILE EXCEPTED

 N/A

52. **"Fissile Excepted"** on declaration. If yes, select N/A for Fissile Material section and skip 53-58. [10.8.3.9.4]  Y  N

### FISSILE MATERIAL (If not Fissile Excepted)

 N/A

53. **Plutonium 239 and 241 not accepted** as UN 3324, UN 3325, UN 3326, UN 3327, UN 3328, UN 3329, UN 3330, UN 3331 or UN 3333. [FX-03 (a)]  Y  N  N/A
54. **Fissile Material in Proper Shipping Name** other than fissile excepted: Criticality Safety Index on declaration. [10.8.3.9.3, Step 9 (d)]  Y  N  N/A
55. **Package design approval and country approval certificate number** on declaration and copies of documents attached. [10.8.3.9.4; 10.10.2.1.5]  Y  N
56. **FedEx Legal/Radiation Physicist approval** document(s) attached. [FX-03 (c)]  Y  N
57. **Two completed Criticality Safety Index labels and two radioactive category labels** (i.e. I White, II Yellow, or III Yellow) on opposite sides. [10.7.4.3.1]  Y  N  N/A
58. **Identification mark** contains type code "AF", "B(U)F", B(M)F", "CF", or "IF". [10.7.1.3.7]  Y  N  N/A

### PACKAGES CONTAINING DRY ICE

 N/A

59. Dry Ice markings, labelings, and documentation requirements met. [PI 954; 7.1.4.1 (d); 8.2.4]  Y  N

### GENERAL

60. **"RQ"** indicated before or after basic description (e.g. **RQ**, UN 2915, Radioactive Material, Type A Package, 7 or UN 2915, Radioactive Material Type A Package, 7, **RQ**) when marked on package. [USG-04]  Y  N  N/A
61. **"RQ"** marked on package if shown on declaration. [USG-04]  Y  N  N/A
62. Complies with all other applicable **State and Operator variations**. [2.8]  Y  N

If there are any discrepancies indicated, your shipment cannot be transported by FedEx Express. In the U.S., this shipment is returned to the Shipper using DOT-SP 14691. In the U.S., call 1.800.GoFedEx and press "81" then "4" for assistance. For non-U.S. locations, please contact your local Customer Service representative.

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ACCEPTED  REJECTED

Inspected By \_\_\_\_\_

Employee # \_\_\_\_\_

Shipper Contact Name \_\_\_\_\_

Shipper Contact Phone # \_\_\_\_\_