F/348/IF-96 (Rev.0)

**VALIDATION OF AN APPROVAL OF PACKAGE DESIGN**

**FOR THE CARRIAGE OF RADIOACTIVE MATERIAL**

This is to confirm that for the purposes of the Regulations of the International Atomic Energy Agency

* The Competent Authority of Great Britain in respect of inland surface transport, being the Office for Nuclear Regulation;
* The Competent Authority of the United Kingdom of Great Britain and Northern Ireland in respect of sea transport, being the Secretary of State for Transport;
* The Competent Authority of the United Kingdom of Great Britain and Northern Ireland in respect of air transport, being the Civil Aviation Authority; and
* The Competent Authority of Northern Ireland in respect of road transport, being the Department of Agriculture, Environment and Rural Affairs - Northern Ireland

validate the certificate of approval of the package design specified in Section 1 of this document, as submitted for validation by ORANO-NPS (see Section 4)

as: Type IF

by: Road, Rail and Sea.

Packaging identification: FCC4

Packages manufactured to this design meet the requirements of the regulations and codes on pages 3 and 4, relevant to the mode of transport, subject to the following general condition and to the conditions in the succeeding pages of this validation.

In the event of any alteration in the composition of the package, the package design, the management system(s) associated with the package or in any of the facts stated in the application for approval, this validation will cease to have effect unless the Competent Authority is notified of the alteration and the Competent Authority confirms the validation notwithstanding the alteration.

Expiry Date: This validation cancels all previous issues and is valid until the end of December 2027 (see Section 4).

ORIGINAL COMPETENT AUTHORITY IDENTIFICATION MARK: F/348/IF-96

Signature: Date of Issue: 30 March 2023

Head of GB Transport Competent Authority

Office for Nuclear Regulation

Redgrave Court, Merton Road

Bootle, Merseyside

L20 7HS

on behalf of the Office for Nuclear Regulation; the Secretary of State for Transport; the Civil Aviation Authority; and the Department of Agriculture, Environment and Rural Affairs - Northern Ireland.

**REGULATIONS GOVERNING THE TRANSPORT OF RADIOACTIVE MATERIALS**

**INTERNATIONAL**

International Atomic Energy Agency (IAEA)

SSR-6 Regulations for the Safe Transport of Radioactive Material 2018 Edition

United Nations Economic Commission for Europe (UNECE)

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) 2021 Edition (until end June 2023) or Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) 2023 Edition

Intergovernmental Organisation for International Carriage by Rail (OTIF)

Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) 2021 Edition (until end June 2023) or Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) 2023 Edition

International Maritime Organization (IMO)

International Maritime Dangerous Goods (IMDG) Code 2020 Edition incorporating Amendment 40-20

International Civil Aviation Organization (ICAO)

Technical Instructions for the Safe Transport of Dangerous Goods by Air 2023-2024 Edition

**UNITED KINGDOM**

***ROAD***

GREAT BRITAIN ONLY:

The Energy Act 2013 (2013 c. 32); The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348); The Energy Act 2013 (Office for Nuclear Regulation) (Consequential Amendments, Transitional Provisions and Savings) Order 2014 (SI 2014 No. 469)

NORTHERN IRELAND ONLY:

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations (Northern Ireland) 2010, (SR 2010 No 160)

***RAIL***

GREAT BRITAIN ONLY:

The Energy Act 2013 (2013 c. 32); The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348); The Energy Act 2013 (Office for Nuclear Regulation) (Consequential Amendments, Transitional Provisions and Savings) Order 2014 (SI 2014 No. 469)

***SEA***

British registered ships and all other ships whilst in United Kingdom territorial waters:

The Merchant Shipping Act 1995 (1995 c. 21); The Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997 (SI 1997 No. 2367); Merchant Shipping Notice MSN 1906 (M) The Carriage of Dangerous Goods and Marine Pollutants: Amendments to International Standards

***AIR***

The Air Navigation Order 2016 (SI 2016 No. 765); The Air Navigation (Dangerous Goods) Regulations 2002 (SI 2002 No.2786)

1. DESIGN SPECIFICATION
	1. Specification of Packaging
		* 1. As described in the original package design certificate F/348/IF-96 (Gv) dated 13 June 2022.
	2. Authorised Contents (Including any Restrictions)
		* 1. The authorised contents are as described in the certificate referred to in paragraph 1.1.
2. use of package
	1. Information Provided in Safety Report on Use of Packaging
		* 1. The package shall be used and handled, and the packaging maintained, in accordance with the requirements of the certificate referred to in paragraph 1.1.
	2. Actions Prior to Shipment
		* 1. Administrative controls shall ensure that the contents are in accordance with Section 1 of this validation, and that the consignor and consignee hold a copy of the certificate and instructions on the use of the packaging.
			2. Any actions prior to shipment specified in the certificate referred to in paragraph 1.1 shall be carried out.
	3. Supplementary Operational Controls
		* 1. Any supplementary operational controls specified in the certificate referred to in paragraph 1.1 shall be implemented.
	4. Emergency Arrangements
		* 1. Before shipment takes place, adequate emergency arrangements must be made, copies of which shall be supplied to the GB Competent Authorities on demand.
			2. Within Great Britain, if the consignor’s own, or other approved emergency plans, cannot be initiated for any reason, then the police shall be informed immediately.
3. management systems
	* + 1. The management system(s) accepted as adequate in relation to this design by the authorities named on page 1 of this validation, at the date of issue, are as specified in the package design certificate referred to in paragraph 1.1, and comprise the following:
* FCC4 Safety Analysis Report Ref. DOS-18-016472-000 version 5.0 Chapter 1.9 Ref.DOS-18-016472-008 Version 1.0.
	+ - 1. No alteration may be made to any management system confirmed as adequate in relation to this design, unless:
				1. the authorities named on page 1 of this certificate have confirmed the amended management system is adequate prior to implementation or use; or
				2. the alteration falls within the agreed change control procedures set out in the management system(s).
			2. Other management systems for design, testing, manufacture, documentation, use, maintenance, inspection, transport and in-transit storage operations may be used providing they comply with international, national or other standards for management systems agreed as acceptable by the authorities named on page 1 of this certificate.
1. STATUS of VALIDATION
	1. Validation issued to:

ORANO NPS

23, Place Wicklow

F-78180 Montigny-Le-Bretonneux

France

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| **ONR Revision Number** | **Date of Issue** | **Date of Expiry** | **Reason for Issue** |
| 0 | 30 March 2023 | 31 December 2027 | First GB Validation |