



Transport of radioactive material

Special arrangement approval checklist

An applicant seeking an approval certificate from ARPANSA under special arrangement must ensure that the information, as described in paragraph 836 of RPS C-2 (Rev. 1)(2019) is included as part of the application. A summary of the information which must be included is described below. This checklist should be included with your application.

Information required	Tick if included
1. Description of transportation dates and locations of from where and to where the package and its contents will be transported	<input type="checkbox"/>
2. Details of the mode(s) of transport which will be used e.g. road, rail, air, inland water way or sea	<input type="checkbox"/>
3. Details of the type of conveyance and route information which will be used during transport e.g. freight container etc	<input type="checkbox"/>
4. Details of applicable national and international regulations under which approved is sought e.g. IAEA	<input type="checkbox"/>
5. Details of other certificates for alternative radioactive contents, other competent authority validation, or additional technical data or information which can substantiate your request for approval	<input type="checkbox"/>
6. Description of the packaging by a reference to the drawings or a specification of the design. In addition, a reproducible illustration (ideally not larger than 21 cm by 30 cm), showing the make-up of the package, should also be provided, accompanied by a brief description of the packaging, including materials of manufacture, gross mass, general outside dimensions and appearance	<input type="checkbox"/>
7. Description of the specific authorised radioactive contents contained within the packaging including any restrictions on the radioactive contents which might not be obvious from the nature of the packaging. This shall include the physical and chemical forms, the activities involved (including those of the various isotopes), mass in grams (for fissile material), and whether special form radioactive material, low dispersible radioactive material or fissile material excepted under para. 417(f), if applicable	<input type="checkbox"/>
8. For package designs containing fissile material requiring multilateral approval in accordance with para. 814: <ul style="list-style-type: none"> i. a detailed description of the authorized radioactive contents ii. the value of the criticality safety index iii. reference to the documentation that demonstrates the criticality safety of the contents iv. any special features on the basis of which the absence of water from certain void spaces has been assumed in the criticality assessment v. any allowance (based on para 677(b)) for a change in neutron multiplication assumed in the criticality assessment as a result of actual irradiation experience 	<input type="checkbox"/>

vi.	the ambient temperature range for which the special arrangement has been approved.	
9.	A detailed listing of any supplementary operational controls required for preparation, loading, carriage, unloading and handling of the consignment, including any special stowage provisions for the safe dissipation of heat	<input type="checkbox"/>
10.	Description of the reasons for the special arrangement approval	<input type="checkbox"/>
11.	Description of the compensatory measures to be applied as a result of the shipment being under special arrangement e.g. administrative, people, engineering, radiation protection, general safety etc	<input type="checkbox"/>
12.	Description of the use of the packaging or specific actions to be taken prior to the shipment e.g. how the package is properly secured etc	<input type="checkbox"/>
13.	A statement regarding the ambient conditions assumed for purposes of design if these are not in accordance with those specified in para 656, 657 and 666, as applicable	<input type="checkbox"/>
14.	Description of all emergency arrangements to ensure the safe transport of the package and its radioactive contents	<input type="checkbox"/>
15.	A specification of the applicable management system as required in para. 306	<input type="checkbox"/>
16.	Applicant identity and carrier identity	<input type="checkbox"/>
17.	Description of who is responsible and who will have control of the package and its contents during and following transportation	<input type="checkbox"/>