

Orano NPS SAFETY ANALYSIS REPORT TN® 24 BH	Restricted Orano - Authorities - Users		
	ANNEX 00-2		
	Prepared by / signature	Date	
	Verified by / signature	Date	
Identification : DOS-18-007338-003 Version : 2.0 Page 1 / 6			

CROSS REFERENCE TABLE BETWEEN THE REGULATION PARAGRAPHS AND THE SAFETY ANALYSIS REPORT

TABLE OF CONTENT

REVISION STATES	2
1. INTRODUCTION	3
2. APPLICABLE PARAGRAPHS	3
3. SAFETY ANALYSIS REPORT STRUCTURE	6
4. REFERENCES	6

REVISION STATES

Revision	Date	Modifications	Prepared by / Verified by
Old reference: 12388-Z-00-2			
0	07/00	First issue	
1	01/05	Update according to AIEI 1996 regulation	
Old Reference: DOS-08-00132904-003			
00	03/15	Complete rewriting of the document with: - Suppression of all references to AIEA 1985, - Update articles in relation to IAEA edition, - Add articles references of RID and ADR regulations, - Add paragraph 3 "Safety analysis report structure", - References to regulations refer to the Chap. 00.	
New Reference: DOS-18-007338-003			
1.0	06/20	Update according to ADR and RID 2019 regulations	
2.0	See first page	- Update according to ADR and RID, edition 2025, regulations, - Update of the European guide PDSR edition, - Removal of the European reference from the ADR, - Addition of the possibility of using the 2012 edition of the IAEA according to § 820 b) of the IAEA 2018, - Suppression of the annexes to chapter 5A in §3.	

1. INTRODUCTION

This annex describes the links existing between the transport regulations ADR <1>, RID <2> and IAEA <3> and the chapters of the safety analysis report.

The study is limited to the paragraphs that have an impact on the safety of the chapters 3 (General provisions), 4 (Activity limits and material restrictions), 5 (Requirements and controls for transport), 6 (Requirements for radioactive materials and for packaging and packages), 7 (Test procedures) and 8 (Approval and administrative requirements) of the applicable Edition of IAEA Regulations <3>.

The section 3 presents the correspondence between the present Safety Analysis Report structure and the European guide Package Design Safety Report structure.

According to the paragraph 820 b) of the 2018 edition of AIEA (SSR-6 Rev. 1), the 2012 edition of IAEA <3> can be used in this safety analysis report provided that the conditions 820 b)(i), to 820 b)(iv) are met.

2. APPLICABLE PARAGRAPHS

The requirements applying to the TN 24 BH package and defined in the IAEA rules are presented in the table below.

The applicable paragraphs of the safety analysis report enable to verify and demonstrate the conformity of the package towards the IAEA rules.

Articles of ADR <1>	Articles of RID <2>	Paragraphs of IAEA regulation <3>	Applicable paragraphs of the Safety Analysis Report
1.7.3	1.7.3	306	Chapter 8A (*)
2.2.7.1.1 and 2.2.7.2.2.4 to 2.2.7.2.2.6	2.2.7.1.1 and 2.2.7.2.2.4 to 2.2.7.2.2.6	402, and 405 to 407	Chapter 0A-3 & 0A-4 (**)
2.2.7.2.4	2.2.7.2.4	421	Chapter 0A-3 & 0A-4
4.1.9.3 & 2.2.7.2.4.6.2	4.1.9.3 & 2.2.7.2.4.6.2	418 & 432	Chapter 0A-3 & 0A-4 (**)
4.1.9.1.6	4.1.9.1.6	501	Chapter 6A & 7A
4.1.9.1.7	4.1.9.1.7	502	Chapter 6A
4.1.9.1.8 a) b) c) d)	4.1.9.1.8 a) b) c) d)	503	Chapter 6A
4.1.9.1.2	4.1.9.1.2	508	Chapter 6A
5.1.5.3.1	5.1.5.3.1	523	Chapter 6A
5.1.5.3.3	5.1.5.3.3	525	Chapter 5A
4.1.9.1.10 & 4.1.9.1.11	4.1.9.1.10 & 4.1.9.1.11	526 & 527	Chapter 4A
5.1.5.3.4	5.1.5.3.4	529	Chapter 6A
2.2.7.2.1.1	2.2.7.2.1.1	530	Chapter 0
5.2.1.7.8	5.2.1.7.8		
5.2.2.1.11.5	5.2.2.1.11.5		
5.4.1.2.5.3	5.4.1.2.5.3		
5.1.5.3.5	5.1.5.3.5		
5.2.1.7.1	5.2.1.7.1	531	Chapter 0
5.2.1.7.2	5.2.1.7.2	532	Chapter 6A
5.2.1.7.3 & 5.2.1.7.5	5.2.1.7.3 & 5.2.1.7.5	533 & 535	Chapter 0
5.2.1.7.6, 5.2.2.1.11.1 to 5.2.2.1.11.4	5.2.1.7.6, 5.2.2.1.11.1 to 5.2.2.1.11.4	536, 538 to 542	Chapter 6A

Articles of ADR <1>	Articles of RID <2>	Paragraphs of IAEA regulation <3>	Applicable paragraphs of the Safety Analysis Report
6.4.2.1	6.4.2.1	607	Chapter 0 and annexes 1-3 & 1-3-1
6.4.2.2	6.4.2.2	608	Annex 1-3 & 1-3-1
6.4.2.3	6.4.2.3	609	Chapter 6A
6.4.2.4	6.4.2.4	610	Chapter 0
6.4.2.5	6.4.2.5	611	Chapter 0
6.4.2.6	6.4.2.6	612	Chapter 0
6.4.2.7	6.4.2.7	613	Chapter 3A
6.4.2.9	6.4.2.9	614	Chapter 3A
6.4.2.11	6.4.2.11	616	Chapter 1 & 3A
6.4.2.12	6.4.2.12	617	Chapter 0A-3, Chapter 0A-4 and Chapter 4
6.4.7.2	6.4.7.2	636	Chapter 0
6.4.7.3	6.4.7.3	637	Chapter 0
6.4.7.4	6.4.7.4	638	Chapter 1
6.4.7.5	6.4.7.5	639	Chapter 0 & 1
6.4.7.6	6.4.7.6	640	Chapter 00
6.4.7.7	6.4.7.7	641	Chapter 1 & 3A
6.4.7.10	6.4.7.10	644	Chapter 3A
6.4.7.11	6.4.7.11	645	Chapter 1 & Chapter 3A
6.4.7.13	6.4.7.13	647	Chapter 4A
6.4.7.14 b)	6.4.7.14 b)	648 b)	Chapter 4A
6.4.8.1	6.4.8.1	652	Chapters 0, 0A, 1, 2, 3A, 4A, 6A and 7A
6.4.8.2	6.4.8.2	653	Chapter 1 & 2
6.4.8.3	6.4.8.3	654	Chapter 6A
6.4.8.4	6.4.8.4	655	Chapter 6A
6.4.8.5	6.4.8.5	656	Chapter 2
6.4.8.6	6.4.8.6	657	Chapter 2
6.4.8.7	6.4.8.7	658	Chapter 1 & 2
6.4.8.8	6.4.8.8	659	Chapter 3A
6.4.8.9	6.4.8.9	660	Chapter 1
6.4.8.10	6.4.8.10	661	Chapter 3A
6.4.8.11	6.4.8.11	662	Chapter 3A
6.4.8.12	6.4.8.12	663	Chapter 1 & 3A
6.4.8.13	6.4.8.13	664	Chapter 3A
6.4.8.15	6.4.8.15	666	Chapter 1 & appendix 1-5-6
6.4.11.1	6.4.11.1	673	Chapter 5A & 0
6.4.11.4	6.4.11.4	676	Chapter 5A
6.4.11.5	6.4.11.5	677 a) and b)	Chapter 5A
6.4.11.6	6.4.11.6	678	Chapter 1
6.4.11.7	6.4.11.7	679	Chapter 1
6.4.11.8	6.4.11.8	680	Chapter 5A

Articles of ADR <1>	Articles of RID <2>	Paragraphs of IAEA regulation <3>	Applicable paragraphs of the Safety Analysis Report
6.4.11.9	6.4.11.9	681	Chapter 5A
6.4.11.10	6.4.11.10	682	Chapter 5A
6.4.11.12	6.4.11.12	684	Chapter 5A
6.4.11.13	6.4.11.13	685	Chapter 5A
6.4.11.14	6.4.11.14	686	Chapter 5A
6.4.12.1	6.4.12.1	701	Annex 1-5
6.4.12.2	6.4.12.2	702	Annex 1-5
6.4.12.3	6.4.12.3	713 to 715	Annex 1-5
6.4.13	6.4.13	716	Annex 1-5
6.4.14	6.4.14	717	Annex 1-5
6.4.15.1	6.4.15.1	719	Chapter 1
6.4.15.2	6.4.15.2	720	Chapter 1
6.4.15.3	6.4.15.3	721	Chapter 1
6.4.15.4	6.4.15.4	722	Chapter 1
6.4.15.5	6.4.15.5	723	Chapter 1
6.4.15.6	6.4.15.6	724	Chapter 1
6.4.17.1	6.4.17.1	726	Chapters 1 & 2
6.4.17.2	6.4.17.2	727	Chapter 1 & Annex 1-5
6.4.17.3	6.4.17.3	728	Chapter 2
6.4.17.4	6.4.17.4	729	Chapter 1
6.4.18	6.4.18	730	Chapter 1
6.4.19.1	6.4.19.1	731	Chapter 5A
6.4.19.2	6.4.19.2	732	Chapter 5A
6.4.19.3	6.4.19.3	733	Chapter 5A
5.1.5.2.1	5.1.5.2.1	802	-
6.4.23.4 a) g)	6.4.23.4 a) g)	809 (a) (f)	Chapter 0A-3 & 0A-4
6.4.23.4 b)	6.4.23.4 b)	809 (b)	Chapter 0 & 0-1
6.4.23.4 c)	6.4.23.4 c)	809 (c)	Chapter 1, 2, 3A, 4A & 5A
6.4.23.4 d)	6.4.23.4 d)	809 (d)	Chapter 6A & 7A
6.4.23.4 e)	6.4.23.4 e)	809 (e)	Chapter 0 & 7A-1
6.4.23.4 h)	6.4.23.4 h)	809 (g)	- (Certificate of compliance)
6.4.23.4 i)	6.4.23.4 i)	809 (h)	Chapter 0 & 0-1
6.4.23.4 j)	6.4.23.4 j)	809 (i)	Chapter 8A
5.1.5.2.1, 6.4.23.6	5.1.5.2.1, 6.4.23.6	814 to 816	-

Nota: (*) Chapter 8A is in conformity with paragraph 820 b)(ii) of SSR-6 (Rev. 1).

(**) The activity limits in Table 2 of SSR-6, edition 2012, and SSR-6 (Rev. 1), edition 2018, are the same.

3. SAFETY ANALYSIS REPORT STRUCTURE

The correspondence between the present Safety Analysis Report structure and the European Guide Package Design Safety Report structure <4> are presented in the table below:

PDSR chapters <4>	SAR chapters
Table of content	Summary
Part 1	
1.1 Contents list of the PDSR	Summary
1.2 Administrative information	Chapter 00 & Annex 00-2
1.3 Specification of radioactive contents	Chapter 0A-3 & 0A-4
1.4 Specification of packaging	Chapter 0 & Annex 0-1 (cask) Chapter 0A-1 & 0A-2 (internal arrangement) Chapter 7A & 7A-1 (requirements of manufacturing)
Concept drawing, list of drawings, specification materials, manufacturing, etc...	
Specification of confinement system and containment system	Chapter 0
1.5 Package performance characteristics	Annex 00-3
1.6 Compliance with regulatory requirements	Annex 00-2
1.7 Operation	Chapter 6A
1.8 Maintenance	Chapter 7A & 7A-1
1.9 Management system	Chapter 8A
1.10 Package illustration	Chapter 0, 0A-1, 0A-2 and 00
Part 2	
2.1 Structural analysis	Chapter 1 and annexes Chapter 1A and annexes
2.2 Thermal analysis	Chapter 2 and annexes
2.3 Containment design analysis	Chapter 3A
2.4 External dose rates analysis	Chapter 4A and annexes
2.5 Criticality safety analysis	Chapter 5A

4. REFERENCES

- <1> Agreement concerning the international carriage of dangerous goods by road (ADR) – See Chapter 00 for applicable edition.
- <2> Regulation concerning the international carriage of dangerous goods by rail (RID) – See Chapter 00 for applicable edition.
- <3> IAEA Regulations – See Chapter 00 for applicable edition.
- <4> European guide PDSR – Package Design Safety Reports for the transport of Radioactive Material – 2014 Edition.