


<b>NRC FORM 7</b> (02-2016) 10 CFR 110		 <b>U. S. NUCLEAR REGULATORY COMMISSION</b>		<b>APPROVED BY OMB: NO. 3150-0027</b>		<b>EXPIRES: 11/30/2018</b>	
<b>APPLICATION FOR NRC EXPORT OR IMPORT LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S)</b> (See Instructions on Pages 4 and 5)							
<b>PART A. FOR NRC USE ONLY</b>			<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC			DATE RECEIVED <b>OCT 16 2017 SZF</b>	
LICENSE NUMBER <b>XCOM1314</b>			DOCKET NUMBER <b>11006276</b>			ADAMS ACCESSION NUMBER	
<b>PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS, OR CONSENT REQUESTS</b> (If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)							
1. NAME AND ADDRESS OF APPLICANT/LICENSEE  Mirion Technologies (IST) Corporation 300 IST Center 315 Daniel Zenker drive Horseheads, NY 14845			1a. NAME OF APPLICANT'S CONTACT Eric P. Brand		1b. APPLICANT'S REFERENCE NUMBER EPB0002		
			1c. PHONE NUMBER (607) 562-4414		1d. FAX NUMBER (607) 562-4482		
			1e. E-MAIL ADDRESS ebrand@mirion-ssd.com				
2. TYPE OF ACTION REQUESTED (Check One)							
<input checked="" type="checkbox"/> EXPORT (Parts B, C, E)		<input type="checkbox"/> IMPORT (Parts B, D, E)		<input type="checkbox"/> AMENDMENT/RENEWAL Current License Number:		<input type="checkbox"/> CONSENT REQUEST (Parts B, C) Current License Number:	
3. CONTRACT NUMBER(S) C83-QH92D		4. FIRST SHIPMENT DATE 9/30/2017		5. LAST SHIPMENT DATE 9/30/2018		6. PROPOSED EXPIRATION DATE 12/31/2018	
<b>PART C. TO BE COMPLETED FOR EXPORT LICENSES, AMENDMENTS, OR RENEWALS</b> (If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)							
7. NAME(S) / ADDRESS(ES) OF SUPPLIERS AND/OR OTHER PARTIES TO THE EXPORT  Mirion Technologies (MGPI H&B) GmbH Landsberger Str. 328a Munchen, D-80687 Germany			8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S)			9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S)  Jordan Research and Training Reactor (JRTR) Jordan University of Science and Technology (J.U.S.T.) Ar Ramtha, Irbid, 22110, Jordan	
7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED Support Electronics Supply, project invoice			8a. INTERMEDIATE USE(S)			9a. ULTIMATE END USE(S) Flux Monitor, Jordan Research/Training Rx	
10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT  Quantity 1 Each, gamma ionization chambers (RGMS) for measurement of gamma radiation over multiple decades within the range of $1 \times 10^{-2}$ to $1 \times 10^6$ Gy/h; used for monitoring the Jordan Research and Training Reactor.				10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq) None		10b. MAX ENRICHMENT OR WGT % None	10c. MAX ISOTOPE WGT (KG) None
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME) None							

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10 CFR 110

U. S. NUCLEAR REGULATORY COMMISSION

**APPLICATION FOR NRC EXPORT OR IMPORT  
LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (Continued)**

LICENSE NUMBER <b>YCOM1314</b>	DOCKET NUMBER <b>11006276</b>	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC    OR <input type="checkbox"/> NON-PUBLIC
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**PART D. TO BE COMPLETED FOR IMPORT LICENSES, AMENDMENTS, OR RENEWALS**  
(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)


12. NAME(S) / ADDRESS(ES) OF FOREIGN SUPPLIERS AND/OR OTHER PARTIES TO IMPORT	13. NAME(S) / ADDRESS(ES) OF INTERMEDIATE CONSIGNEE(S)	14. NAME(S) / ADDRESS(ES) OF ULTIMATE U. S. CONSIGNEE(S)	
12a. NRC EXPORT LICENSE NUMBER(S) (if applicable)	13a. LICENSE NUMBER(S) / EXPIRATION DATE(S)	14a. LICENSE NUMBER(S) / EXPIRATION DATE(S)	
	13b. INTERMEDIATE USE(S)	14b. ULTIMATE END USE(S)	
15. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES	15a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)	15b. MAX ENRICHMENT OR WGT %	15c. MAX ISOTOPE WGT (KG)

16. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)

**PART E. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS OR CONSENT REQUEST(S)**

17. ADDITIONAL INFORMATION PROVIDED ON PAGES 3, 4, AND/OR ON SEPARATE SHEETS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	17a. COPIES OF RECIPIENTS' AUTHORIZATIONS PROVIDED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
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**18. CERTIFICATION:** I, the applicant's authorized official, hereby certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, and that all information provided is correct to the best of my knowledge.

18a. PRINT NAME AND TITLE OF AUTHORIZED OFFICIAL Eric P. Brand Quality Manager, Mirion Technologies (IST) Corporation	18b. SIGNATURE – AUTHORIZED OFFICIAL 	18c. DATE 9/13/2017
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U. S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR NRC EXPORT OR IMPORT  
LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (Continued)

LICENSE NUMBER <b>XCOM1314</b>	DOCKET NUMBER <b>11006276</b>	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC
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ADDITIONAL INFORMATION (Reference applicable block numbers from page 1 and/or page 2 for each entry)

Mirion Technologies (IST) Corporation is applying for a NRC Export License to export the a quantity of one gamma ionization chamber (RGMS) for measurement of gamma radiation over multiple decades within the range of  $1 \times 10^{-2}$  to  $1 \times 10^6$  Gy/h; used for monitoring the Jordan Research and Training Reactor.

The one gamma ionization chamber was originally exported to the Jordan Research and Training Reactor on Export License XCOM1285/01.

Our customer stated this one gamma ionization chamber contains a defect which requires evaluation for repair at Mirion Technologies (IST) Corporation located in Horseheads, NY. After evaluation and repair, Mirion Technologies (IST) Corporation will require an export license to send this one gamma ionization chamber back to the Jordan Research and Training Reactor.

Attached for your reference:

- 1) Gamma Ionization Chamber KG 31 SAC Product Technical Description. (Number of pages = 2)
- 2) JRTR Gamma Ionization Chamber Engineering Outline Drawing E-4282 Revision (-). (Number of pages = 1)
- 3) End-Use Certificate from Jordan Atomic Energy Commission. (Number of pages = 2)

Mirion Technologies (IST) Corporation requests the pricing information be redacted (box 10) if/when the license application amendment is published for review.



**MIRION**  
TECHNOLOGIES

Mirion Technologies (IST) Corporation  
Sensing Systems Division  
315 Daniel Zenker Drive  
300 IST Center  
Horseheads, NY 14845

607-562-4300  
607-562-4482  
www.mirion.com

Date: September 13, 2017

To: Deputy Director, David Skeen

Office of International Programs  
United States Nuclear Regulatory Commission  
11555 Rockville Pike  
Rockville, MD 20852

APPLICATION FOR NRC EXPORT LICENSE NRC Form N7

Dear Sir,

In accordance with the requirements to Part 110 for the export of items specifically designed and manufactured for use in a nuclear reactor, Mirion is submitting this application NRC Form N7. (Applicants reference number EPB0002).

If you have any questions or comments regarding these shipments please do not hesitate to contact me at (607)-562-4414.

Respectfully,

Eric P. Brand  
Export Compliance  
Sensing Systems Division