

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, 70 and 71, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p>Licensee</p> <p>1. Leidos, Inc.</p>	<p>In accordance with letter dated April 23, 2018.</p>
<p>2. 10740 Thornmint Rd. San Diego, CA 92127</p>	<p>3. License number: 04-23994-01E is amended in its entirety to read as follows:</p>
	<p>4. Expiration Date: October 31, 2020</p>
	<p>5. Docket No.: 030-38634 Reference No.:</p>

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license	9. Authorized use
<p>A. Technetium-99</p>	<p>A. Calibration and Standard Reference Sources</p>	<p>A. No Possession Authorized</p>	<p>A. In accordance with 10 CFR 32.14, the licensee is authorized to distribute ionizing radiation measuring instrument IM-239 containing Tc-99, not greater than 0.1 μCi of Tc-99, for the purpose of internal calibration or standardization, to persons exempt from the requirements for a license under 10 CFR 30.15(a)(9), or equivalent regulations of any Agreement State.</p>

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
04-23994-01E

Docket or Reference Number
030-38634

Amendment No. 5

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| <p>6. Byproduct, source, and/or special nuclear material</p> | <p>7. Chemical and/or physical form</p> | <p>8. Maximum amount that licensee may possess at any one time under this license</p> | <p>9. Authorized use</p> |
| <p>B. Cesium-137</p> | <p>B. Calibration and Standard Reference Sources</p> | <p>B. No Possession Authorized</p> | <p>B. In accordance with 10 CFR 32.14, the licensee is authorized to distribute ionizing radiation measuring instrument IM-272 containing Cs-137 and Tc-99, not greater than 0.1 μCi of Cs-137 and 0.02 μCi of Tc-99, for the purpose of internal calibration or standardization, to persons exempt from the requirements for a license under 10 CFR 30.15(a)(9), or equivalent regulations of any Agreement State.</p> |
| <p>C. As specified in 10 CFR 30.71, Schedule B</p> | <p>C. Calibration and Standard Reference Sources</p> | <p>C. No Possession Authorized</p> | <p>C. In accordance with 10 CFR 32.18, the licensee is authorized to distribute encapsulated check sources, not to exceed the exempt quantities of 10 CFR 30.71, Schedule B to persons exempt from licensing under 10 CFR 30.18, or equivalent regulations of any Agreement State.</p> |
| <p>D. Barium-133</p> | <p>D. Calibration and Standard Reference Sources</p> | <p>D. No Possession Authorized</p> | <p>D. In accordance with 10 CFR 32.30, the licensee is authorized to distribute the Xpose contraband detector as specified in Condition 10 of this license to persons exempt from the requirements for a license under 10 CFR 30.22, or equivalent regulations of any Agreement State.</p> |



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CONDITIONS

10. The following industrial device containing byproduct material designed and manufactured in accordance with NRC registration certificate No. NR-1373-D-101-E, for the purpose of detecting contraband hidden in compartments, may be distributed according to this license provided the amount of Ba-133 contained in the device does not exceed the amount specified in the following table:

Device Model	Maximum Quantity per Device
Xpose Contraband Detector	10 microcuries (0.37 MBq)

11. This license does not authorize possession or use of licensed material.
12. The licensee is authorized to distribute only from its facilities located at 10740 Thornmint Road, San Diego, California.
13. The licensee shall submit periodic material transfer reports as specified in 10 CFR 32.16, 32.20, and 32.32(c).
14. Except as specifically provided otherwise by this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application Dated August 17, 2010 (ML102530598);
 - B. Letter dated June 6, 2011 (ML111801397);
 - C. Application dated April 1, 2013 (ML13100A259);
 - D. Letter dated August 14, 2013 (ML13232A271);

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- E. Letter dated September 12, 2013 (ML13262A005);
- F. Letter dated November 27, 2013 (ML13346A204);
- G. Letter dated May 13, 2015 (ML15139A585); and
- H. Letter dated December 5, 2016 (ML16355A065);
- I. Letter dated April 23, 2018 (ML18123A484);
- J. Letter dated May 11, 2018 (ML18136A186);
- K. Email dated May 17, 2018 (ML18138A112).



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: June 7, 2018By: /RA/
Richard Struckmeyer
Headquarters