



DEFENSE LOGISTICS AGENCY  
DEFENSE NATIONAL STOCKPILE CENTER  
8725 JOHN J. KINGMAN ROAD, SUITE 3229  
FT. BELVOIR, VIRGINIA 22060-6223

IN REPLY  
REFER TO **DNSC-C**

July 22, 2005

**AMENDMENT NUMBER 003  
DLA-IRIDIUM-003  
BASIC ORDERING AGREEMENT FOR IRIDIUM**

The above referenced BOA, DLA-IRIDIUM-003, issued January 6, 2003, is hereby amended to add additional material for sale and to update the Material Safety Data Sheets.

1. Section **A.4 Material Description (JAN 95)** is hereby deleted in its entirety and replaced with the following:

**A.4 Material Description (JUL 05)**

- a. The iridium consists of 8,121.150 tr oz of physical metal in the form of 99.95% sponge acquired during 1978-1986 from suppliers of Engelhard, Johnson Matthey, Matthey Bishop, and Platina material; and 1,237.792 tr oz of 99.9% sponge from DNSC's commercial account.
- b. The iridium content of the physical metal was reported on certificates of analysis from Government contract laboratories, or original certificates from the suppliers/producers; if no certificate is available, the iridium content is that of the appropriate DNSC Purchase specification. The material is contained in jars packed in wooden boxes, and is stored at Somerville, NJ.
- c. The DNSC account is with Johnson Matthey, Wayne, PA.
- d. Government records indicate that the material conforms to the data provided; however, no warranty or guarantee is made that the material so conforms or that it will be suitable for any particular purpose.

2. Section **C.2 Web Site Information (JAN 02)**, paragraph **b.** is hereby amended to change the points of contact information as follows:

Jennifer Iribarren, Contracting Officer (703) 767-5487  
DNSC Contracting (703) 767-6500

3. Section **C.12 Online Submissions (JUL 03)**, paragraph **c.** is hereby amended to change the points of contact information as follows:

Jennifer Iribarren, Contracting Officer (703) 767-5487  
DNSC Contracting (703) 767-6500

4. Section **D-PAYMENT** is hereby deleted in its entirety and replaced with the following:

**SECTION D – PAYMENT**

**D.1 Payment (MAY 04)**

- a. Payment shall be made in U.S. dollars.
- b. Payment shall be made by wire transfer, U.S. Postal Service money order, or company or bank check.

- (1) Wire transfer payment shall be made in accordance with instructions in **Section J.4**. Fees for wire transfers are the responsibility of the Contractor. If payment is by wire transfer and the wrong account number is used, shipment of material may be delayed by up to one week or the wire transfer may be returned to the sender.
- (2) All checks must be drawn on a U.S. domestic bank or on the United States branch of an acceptable foreign bank and must be payable in United States currency. **A service charge of \$100.00 will be applied to all returned checks.**
- c. Payment shall be made to the **Defense Finance and Accounting Service - Columbus (DFAS-Columbus)**. If a check is not made payable to DFAS-Columbus, the check may be returned and the \$100.00 fee stated in **D.1.b.** charged. Payment shall be accompanied by **identifying information including the contract number, invoice number, and a description of the material purchased**. Payments without the required identification may be returned and shipment delayed. Payments shall be sent to:

ATTN: DNSC-R, Accounts Receivable  
Defense National Stockpile Center  
8725 John J. Kingman Road, Suite 3229  
Fort Belvoir, VA 22060-6223
- d. Invoices issued for adjustments for variations in quantity or weight, storage charges, interest, penalty charges, or administrative charges shall be paid promptly.
- e. If payment is not made in full within 30 calendar days of issuance of an invoice as specified in **D.1.d.**, the Contractor will be considered delinquent and any outstanding charges will be reduced by any subsequent payments. No material will be released until all delinquent charges are paid. (See Sections **F.1.a.** and **G.11.**)

## **D.2 Payment Due Date (MAY 05)**

- a. Payment due dates will be applied as follows:
  - (1) If payment terms are not extended, payment will be made before shipment of material and before the end of the contract period specified in the executed **Section I.1 Quote/Award Form**.
  - (2) If payment terms are approved, the Contractor shall pay the Government the full amount of **each** shipment no later than **five (5)** calendar days after DNSC receives current, accurate and complete Shipping Instructions. Shipping Instructions must be submitted on or before the final day of the contract period. Notwithstanding any other provision of the contract, payment is due with or without the issuance of an invoice by the Government. If the Contractor fails to make payment timely, the Contractor will be considered delinquent (see Section **D.1.e.**, **F.1.a.**, and **G.11**), and the Government, at its sole discretion, may revoke payment terms and take other appropriate action in accordance with Section **G.8**. If the Contractor fails to submit current, accurate and complete Shipping Instructions on or before the final day of the contract period, the Government will revoke payment terms and payment must be made **before** shipment of material.
- b. If payment is not received by 2:00 p.m., local time Fort Belvoir, VA, on the payment due date, payment will not be credited until the next Government business day. Interest and penalty charges will accrue accordingly.
- c. In the event the payment due date falls on a Saturday, Sunday, or holiday, then the payment due date will be extended to the next Government business day.

### **D.3 Interest (MAY 04)**

- a. All amounts that become payable by the Contractor to the Government under this contract shall bear simple interest from the date due until paid. The interest rate shall be the interest rate established by the Secretary of the Treasury as provided in 41 U.S.C. 611, which is applicable to the period in which the amount becomes due, as provided in paragraph **b.**, below.
- b. Amounts shall be due at the earliest of the following dates:
  - (1) The final day of the contract period specified in Section **I.1 Quote/Award Form** (with or without the issuance of an invoice by the Government);
  - (2) The date of the first written demand for payment under the contract, including any demand resulting from a default termination, unless paid within 30 days of becoming due; or
  - (3) If payment terms have been approved, **five (5)** calendar days after the date that DNSC receives current, accurate and complete Shipping Instructions provided that Shipping Instructions are submitted on or before the final day of the contract period. If Shipping Instructions are not submitted on or before the final day of the contract period, amounts shall be due in accordance with the provisions of Section **D.3.b.(1)**.

### **D.4 Penalty and Administrative Charges (MAY 04)**

In addition to interest charges specified in Section **D.3**, above, a penalty charge of 6 percent per annum shall be assessed on any debt principal that is delinquent more than 90 calendar days. Penalty charges shall accrue from the date the principal amount due becomes delinquent until paid. Additional administrative charges may be assessed, if needed. Administrative charges relate only to delinquent debts and will be assessed to cover expenses incurred by the Government in the recovery of such debts.

6. Subsection **E.1 Removal of Material (JAN 02)**, paragraph a., is deleted in its entirety and hereby replaced with the following:
  - a. The contract removal period begins on the date of contract award and shall expire ten (10) calendar days from the date of contract award.
7. Subsection **G.6 Protests (NOV 02)**, subparagraph **d.(3)**, is hereby amended to delete the name "Richard A. Talbott" and insert the name "Jennifer Iribarren".
8. Section **G11 Setoff of Funds (JUL 98)** is hereby deleted in its entirety and replaced with the following:

#### **G.11 Setoff of Funds (MAY 04)**

The Contractor agrees that the Government may use all or a portion of any monies received by the Government to satisfy, in whole or in part, any debt (e.g., delinquent payments, interest, penalty charges, administrative charges, or storage charges), arising out of this or any other transaction.

9. Section **I.2 Shopping List (DEC 02)** is hereby deleted and replaced with the following:

### **I.2 Shopping List (JUL 05).**

| Item Series | Iridium Description | Weight Tr Oz | % Ir          | Supplier          | Producer                   | Acq. Date | Comments                     |
|-------------|---------------------|--------------|---------------|-------------------|----------------------------|-----------|------------------------------|
| 1080        | Sponge              | 20.00        | 99.966        | DOI/USGS          | Johnson Matthey            | 1986      | 1 jar                        |
| 1081-1086   | Sponge              | 600.00       | 99.967-99.974 | Philbro/Engelhard | Engelhard                  | 1982      | 6 Jars/box:<br>100 Tr Oz/jar |
| 1091-1096   | Sponge              | 600.00       | 99.959-99.973 | Engelhard         | Engelhard                  | 1982      | 6 Jars/box:<br>100 Tr Oz/jar |
| 1101-1121   | Sponge              | 1,998.9969   | 99.95         | DOE/ORNL          | Platina,<br>Matthey Bishop | 1978      | 5-6 jars/box                 |
| 1122-1171   | Sponge              | 4,902.181    | 99.95         | DOE/ORNL          | Platina, Engelhard         | 1979      | 4-6 jars/box                 |
| 1199        | Sponge              | 1,237.792    | 99.9          | DNLC account      | at Johnson Matthey         |           |                              |

3. Section **J.1 Storage Location (OCT 02)** is hereby deleted in its entirety and replaced with the attached Section **J.1 Storage Location (JUL 05)**.

4. Section **J.3 Material Safety Data Sheets (OCT 02)** is hereby deleted in its entirety and replaced with the attached **J.3 Material Safety Data Sheet (SEP 03)**.

5. Offerors shall acknowledge receipt of Amendment Number 003 by signing in the space provided below and returning a copy of this Amendment along with their offer to: ATTN: DNLC-XO/Bid Custodian, Defense National Stockpile Center, 8725 John J. Kingman Road, Suite 3229, Fort Belvoir, VA 22060-6223. Facsimile number is (703)767-5541. Failure to acknowledge receipt of this Amendment may result in an Offeror being ineligible for award. Except as provided herein, all other terms and conditions of DLA-IRIDIUM-003 and amendments no. 001 and 002 remain unchanged and in full force and effect.

NAME OF FIRM \_\_\_\_\_

ADDRESS \_\_\_\_\_

TELEPHONE \_\_\_\_\_

FACSIMILE \_\_\_\_\_

COMPLETED BY \_\_\_\_\_

SIGNATURE \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

|               |       |
|---------------|-------|
| EMAIL ADDRESS | _____ |
|---------------|-------|

**J.1 Storage Location (JUL 05)**

Storage location is:

Somerville, NJ Depot  
152 U.S. Highway 206 South  
Somerville, NJ 08876-6400  
Attention: James Farley  
Phone #: (908) 707-4356  
FAX#: (908) 707-4350

Operations Office:

Russell Foster  
Defense National Stockpile Center  
Operations and Logistics Division  
8725 John J. Kingman Road, Suite 3229  
Ft. Belvoir, VA 22060-6223  
Phone #: (703) 767-7619  
FAX#: (703) 767-7608

The hours of operation for the outloading at Somerville, NJ Depot are 11:00 AM to 2:00 PM Monday through Friday.

### J.3 MATERIAL SAFETY DATA SHEET (SEP 03)

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

DEFENSE LOGISTICS AGENCY  
DEFENSE NATIONAL STOCKPILE CENTER  
8725 JOHN J. KINGMAN ROAD  
SUITE 3339  
FORT BELVOIR, VA 22060-6223

EMERGENCY TELEPHONE NUMBER:  
1-800-424-9300 (NORTH AMERICA)  
1-703-527-3887 (INTERNATIONAL)

SUBSTANCE: IRIDIUM

TRADE NAMES/SYNONYMS:  
IRIDIUM BLACK; Ir; 00229893

CHEMICAL FAMILY: metal

CREATION DATE: May 27 2003  
REVISION DATE: Sep 18 2003

#### 2. COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT: IRIDIUM  
CAS NUMBER: 7439-88-5  
EC NUMBER (EINECS): 231-095-9  
PERCENTAGE: 100

#### 3. HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4): HEALTH=1 FIRE=0 REACTIVITY=0

EMERGENCY OVERVIEW:

COLOR: silver, white

PHYSICAL FORM: solid

MAJOR HEALTH HAZARDS: No significant target effects reported.

PHYSICAL HAZARDS: Negligible fire and explosion hazard in bulk form. Dust/air mixtures may ignite or explode.



POTENTIAL HEALTH EFFECTS:

INHALATION:

SHORT TERM EXPOSURE: irritation

LONG TERM EXPOSURE: no information is available

SKIN CONTACT:

SHORT TERM EXPOSURE: irritation

LONG TERM EXPOSURE: no information is available

EYE CONTACT:

SHORT TERM EXPOSURE: irritation

LONG TERM EXPOSURE: no information is available

INGESTION:

SHORT TERM EXPOSURE: no information is available

LONG TERM EXPOSURE: no information is available

CARCINOGEN STATUS:

**OSHA:** No  
**NTP:** No  
**IARC:** No

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#### 4. FIRST AID MEASURES

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**INHALATION:** If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

**SKIN CONTACT:** Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.

**EYE CONTACT:** Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

**INGESTION:** If a large amount is swallowed, get medical attention.

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#### 5. FIRE FIGHTING MEASURES

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**FIRE AND EXPLOSION HAZARDS:** Negligible fire and explosion hazard in bulk form. Dust/air mixtures may ignite or explode.

**EXTINGUISHING MEDIA:** dolomite, dry powder for metal fires, dry sand, graphite, soda ash, sodium chloride

**FIRE FIGHTING:** Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Stay away from the ends of tanks. For fires in cargo or storage area: Cool containers with water from unmanned hose holder or monitor nozzles until well after fire is out. If this is impossible then take the following precautions: Keep unnecessary people away, isolate hazard area and deny entry. Let the fire burn. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products.

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#### 6. ACCIDENTAL RELEASE MEASURES

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**OCCUPATIONAL RELEASE:**  
Collect spilled material in appropriate container for disposal.

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#### 7. HANDLING AND STORAGE

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**STORAGE:** Store and handle in accordance with all current regulations and standards. Keep separated from incompatible substances.

**HANDLING:** Use methods to minimize dust.

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#### 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

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**EXPOSURE LIMITS:**  
**IRIDIUM:**  
No occupational exposure limits established.

**VENTILATION:** Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

**EYE PROTECTION:** Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

**CLOTHING:** Wear appropriate chemical resistant clothing.

**GLOVES:** Wear appropriate chemical resistant gloves.

**RESPIRATOR:** Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use. Any dust, mist, and fume respirator.

Any air-purifying respirator with a high-efficiency particulate filter.

Any powered, air-purifying respirator with a dust, mist, and fume filter.

Any powered, air-purifying respirator with a high-efficiency particulate filter.

**For Unknown Concentrations or Immediately Dangerous to Life or Health -**

Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply.

Any self-contained breathing apparatus with a full facepiece.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**PHYSICAL STATE:** solid

**COLOR:** silver, white

**ODOR:** Not available

**MOLECULAR WEIGHT:** 192.22

**MOLECULAR FORMULA:** Ir

**BOILING POINT:** 7466-8132 F (4130-4500 C)

**MELTING POINT:** 4370-4442 F (2410-2450 C)

**VAPOR PRESSURE:** Not applicable

**VAPOR DENSITY:** Not applicable

**SPECIFIC GRAVITY:** Not available

**DENSITY:** 22.4 g/cc

**WATER SOLUBILITY:** insoluble

**PH:** Not applicable

**VOLATILITY:** Not applicable

**ODOR THRESHOLD:** Not available

**EVAPORATION RATE:** Not applicable

**COEFFICIENT OF WATER/OIL DISTRIBUTION:** Not available

**SOLVENT SOLUBILITY:**

**Very Slightly Soluble:** aqua regia, fused alkali

**Insoluble:** acids, alcohols

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## 10. STABILITY AND REACTIVITY

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**REACTIVITY:** Stable at normal temperatures and pressure.

**CONDITIONS TO AVOID:** None reported.

**INCOMPATIBILITIES:** halogens, acids, metals

**IRIDIUM:**

**BROMINE PENTAFLUORIDE:** Violent and vigorous reaction may occur.

**CHLORINE TRIFLUORIDE:** Violent and vigorous reaction may occur.

**FLUORINE:** Reacts vigorously at 260 C.

**PEROXYFORMIC ACID:** Violent and vigorous reaction may occur.

**ZINC:** Extraction of alloys with acids may leave explosive residues on warming in air.

**HAZARDOUS DECOMPOSITION:**

Thermal decomposition products: oxides of iridium

**POLYMERIZATION:** Will not polymerize.

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11. TOXICOLOGICAL INFORMATION

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**HEALTH EFFECTS:**

**INHALATION:**

**ACUTE EXPOSURE:**

IRIDIUM: May cause irritation.

**CHRONIC EXPOSURE:**

IRIDIUM: No data available.

**SKIN CONTACT:**

**ACUTE EXPOSURE:**

IRIDIUM: May cause irritation.

**CHRONIC EXPOSURE:**

IRIDIUM: No data available.

**EYE CONTACT:**

**ACUTE EXPOSURE:**

IRIDIUM: May cause irritation.

**CHRONIC EXPOSURE:**

IRIDIUM: No data available.

**INGESTION:**

**ACUTE EXPOSURE:**

IRIDIUM: No data available.

**CHRONIC EXPOSURE:**

IRIDIUM: No data available.

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12. ECOLOGICAL INFORMATION

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Not available

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13. DISPOSAL CONSIDERATIONS

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Dispose in accordance with all applicable regulations.

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14. TRANSPORT INFORMATION

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**U.S. DEPARTMENT OF TRANSPORTATION:** No classification assigned.

**CANADIAN TRANSPORTATION OF DANGEROUS GOODS:** No classification assigned.

**LAND TRANSPORT ADR:** No classification assigned.

**LAND TRANSPORT RID:** No classification assigned.

**AIR TRANSPORT IATA:** No classification assigned.

**AIR TRANSPORT ICAO:** No classification assigned.

**MARITIME TRANSPORT IMDG:** No classification assigned.

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## 15. REGULATORY INFORMATION

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### **U.S. REGULATIONS:**

**CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):** Not regulated.

**SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30):** Not regulated.

**SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40):** Not regulated.

**SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):**

ACUTE: No

CHRONIC: No

FIRE: No

REACTIVE: No

SUDDEN RELEASE: No

**SARA TITLE III SECTION 313 (40 CFR 372.65):** Not regulated.

**OSHA PROCESS SAFETY (29CFR1910.119):** Not regulated.

### **STATE REGULATIONS:**

**California Proposition 65:** Not regulated.

### **CANADIAN REGULATIONS:**

**WHMIS CLASSIFICATION:** Not determined.

### **EUROPEAN REGULATIONS:**

**EC CLASSIFICATION (CALCULATED):** Not determined.

### **GERMAN REGULATIONS:**

**WATER HAZARD CLASS (WGK):**

**STATE OF CLASSIFICATION:** VwVwS

**CLASSIFICATION UNDER HAZARD TO WATER:** 0

### **NATIONAL INVENTORY STATUS:**

**U.S. INVENTORY (TSCA):** Listed on inventory.

**TSCA 12(b) EXPORT NOTIFICATION:** Not listed.

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## 16. OTHER INFORMATION

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