J7-309-016

# JSC SHIPPING DOCUMENT

1. Originator (Name, Org. Code, Phone): Mike Fohey, EA3, 281-461-5684
2. Date Prepared: 10/29/07

Location of Item(s):

3. Building: 421 | Room: Bond | 4. Contact and Phone: Alfredo Cavallo,281-483-0287

5. Status of Items
- [ ] Transfer to Other NASA Center
- [x] Test and Return
- [ ] Replacement or Credit
- [ ] Relocation
- [ ] For Flight/Return
- [ ] GFP To Contractor
- [ ] Loan (Number) ____
- [ ] Vendor Owned
- [ ] Repair and Return
- [ ] Other NASA Ctr. Property

JF 1027 No.: N/A

6. Shipping Information (Check One)
- [x] Prepaid
- [ ] Collect
- [ ] Government Funds (Cite #'s)
- [ ] Vendor Pickup
- [ ] Hand Carry
- [ ] Third Party Billing

7. Shipment in Direct Support of:
- [ ] Shuttle STS: ____
- [ ] Space Station Mission: ____
- [x] Other, Please Explain: For Assy & Test

8. QUALITY CONTROL INFORMATION (Check Each)
- [x] Flight/Mission Essential
- [ ] GSE
- [ ] Non-Flight
- [ ] Other

| | YES | NO |
|---|---|---|
| 9. Materials Classified (Define Block 25) | | X |
| 10. Data Package Enclosed? | | X |
| 11. Items are being shipped outside the U.S. or to a foreign national or representative? | X | |

| 12. APPROVAL - Typed Name and Signature | DATE |
|---|---|
| Division Chief | 10/30/07 |
| Property Custodian - Mail Code JE3ea: Michael T Fohey | 10/29/07 |
| Contracting Officer | |
| Quality Assurance Representative (SMC 136) | 11/5/07 |
| Direct Program Manager | |
| Other | |

13. From: NASA/Lyndon B. Johnson Space Center
Transportation Officer, Bldg. 421
2101 NASA Road 1
Houston, Texas 77058

*(For Return Shipments to JSC, include Voucher number from block 16)*

15. Date Required at Destination: 11/09/07 | Is 290A Used? ~~YES~~ NO
16. Voucher Number
17. Authority Or Purpose: AMS-02 Project
18. Contract/Grant/T-order number
19. Signature Supply and Equipment Management Officer

14. Ship To
ORDER MIT
PH Divison CERN
Bldg 892 R-B11
CH-1211 Genève 23
Switzerland

20. TCN (Tracking Control Number)
21. Date Shipped
22. Mode of Shipment
23. Bill of Lading
24. Appropriation/Funding Data
25. Project Code

Mark For/Phone Number: Corrado Gargiulo, Tel: + 0041227679656

26. Remarks
Shipment of items are for assembly of scientific instruments, provided under collaborative agreement between NASA and the destination institute. Items are Class I.

11-5-7

| 27. Item No. | 28. Equipment Control No. | 29. Model/Stock/Part Number | 30. Item Description, Serial No., Manufacturer No., Lot No., License Plate No., Class of Hardware | 31. Unit of Issue | 32. Qty. | 33. Unit Price | 34. Total Value |
|---|---|---|---|---|---|---|---|
| 1 | | MS9390-460 | Shear Pin, Straight, Corrosion-Resistant Steel, .2500 DIA. X 1.000 L, Lot # 12929, Class I | ea | 21 | 5.25 | 110.25 |

35. Recapitulation of Shipment (spaced below to be completed by logistics division only)

Issued By
Remove ECN Tag? ☐ Yes ☐ No

| Total Containers | Type Container | Description | Total Weight | Total Cube |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Checked By
Packed By

36. Receipt Info
Containers Rec'd
Quantities Rec'd
Date Rec'd
Rec'd By

37. Sheet Total: 110.25
38. Grand Total: 110.25
39. Receiving Voucher No.

JSC Form 290 (Rev September 07, 2007) (USE JSC Form 290A. SHIPPING CONTINUATION SHEET, IF ADDITIONAL SPACE IS REQUIRED) (Informed August 2000)

Voucher Number

## Requirements for Packaging, Handling, and Transportation for Aeronautical and Space Systems, Equipment, and Associated Components

1. Are there any special documented requirements addressing special handling, packaging, and shipping that needs to be attached to the packing list for this item(s)? A copy of the information is to be attached and specified in block 25 of the 290 prior to submitting. ☐ Yes ☒ No
2. Does the item(s) identified on the 290 require clean room isolation? If yes, identify what cleanliness level (GC, VC, UV-VC, and types of Precision cleaned 100A, 200A, etc.) and specify the requirement document (e.g., SN-C-0005, D683-10450-1, other). If not a NASA document, a copy must be attached to the 290. ☐ Yes ☒ No
3. Is the item(s) identified on the 290 "Electrostatic Discharge" (ESD) sensitive? ☐ Yes ☒ No

   IS THE HARDWARE PACKAGED CORRECTLY FOR ESD SENSITIVITY? ☐ Yes ☒ No
4. Does the item(s) identified on the 290 contain any hazardous chemicals or materials? If yes, identify the type of chemicals or materials and provide the Material Safety Data Sheet for each item. ☐ Yes ☒ No

   a. Does the item(s) listed contain any explosive or pyrotechnic material? If yes, provide the classification and net weight of each item. ☐ Yes ☒ No

   b. Does the item(s) contain batteries. If yes, identify the type of battery? ☐ Yes ☒ No

   c. If the item(s) contains Lithium-Ion, Lithium Metal or Lithium Alloy, provide the total Lithium content or Lithium-equivalent per battery (grams). ☐ Yes ☒ No

   d. Does the item contain any radioactive materials? (This includes any hazardous radioactive material embedded in the item). If yes, provide a completed JSC Form 1625, "Radioactive Material Transfer Receipt." Ensure the item(s) are identified with the radiation symbols and clearly mark with the label(s) as shown in question 10. ☐ Yes ☒ No

   e. Does the item(s) contain any compressed pressure systems (e.g. cylinders)? If yes, identify the types of fluid or gas contained in the system and if gas, what is the pressure. ☐ Yes ☒ No

   f. Does the item contain any biological specimens? If yes, please identify, describe, and add the MSDS telling what to do in case of a spill, puncture, or rupture? ☐ Yes ☒ No
5. Does the item(s) require any special temperature or humidity control in its handling, packaging, or shipping? If yes, please identify and provide the following information in Fahrenheit: ☐ Yes ☒ No

   Minimum temperature: Minimum humidity:

   Maximum temperature: Maximum humidty:

Voucher Number

**Requirements for Packaging, Handling, and Transportation for Aeronautical and Space Systems, Equipment, and Associated Components**

6. Are the item(s) perishable? If yes, identify, describe: ☐ Yes ☒ No

7. Does this item(s) require protection from exposure to the elements? If yes, identify. Be sure to change the "revision date" of this form. ☐ Yes ☒ No

8. Does this item(s) require special monitoring equipment (e.g. shock, humidity, vibration, or temperature sensors)? If yes, identify the type and duration of monitoring required? ☐ Yes ☒ No

9. Does this item(s) require any unique labeling and if yes, please check/verify appropriate label(s) to be used: ☐ Yes ☒ No

- ☐ NASA CRITICAL SPACE ITEM: HANDLE WITH CARE
- ☐ DELICATE INSTRUMENT: HANDLE WITH CARE
- ☐ THIS END UP
- ☐ FRAGILE LIQUID IN GLASS: HANDLE WITH CARE
- ☐ FRAGILE LIQUID IN PLASTIC: DO NOT CUT
- ☐ PERISHABLE RUSH
- ☐ FRAGILE
- ☐ SMALL PARTS ENCLOSED
- ☐ ELECTROSTATIC DISCHARGE CONTROL REQUIRMENTS
- ☐ CLEANLINESS
- ☐ DO NOT X-RAY
- ☐ LIMITED SHELF LIFE ITEMS - PROCESS IMMEDIATELY
- ☐ CONTROLLED ENVIRONMENT
- ☐ BIOLOGICAL SPECIMENS
- ☐ TEMPERATURE/HUMIDITY
- ☐ RADIOACTIVE MATERIAL
- ☐ CONTAINS HIGH PRESSURE
- ☐ DO NOT FREEZE
- ☐ OTHER

| Printed Name | Mail Code | Signed Name ✓ | Date Signed | Phone Number | Cell Phone Number |
|---|---|---|---|---|---|
| J. D. Roberts | JE-3EA | J. D. Roberts | 10/24/07 | 281-461-5109 | |

Date of Request 10/29/07

# Johnson Space Center
# Export Control Request and Approval Worksheet

Reference Number EA-07-303-003

Directions: At least 90 days prior to exporting hardware, software or data to a foreign national, submit this form to your Export Control Representative

## SECTION 1 (complete for all exports)

**Date of Export:** 11/7/07

**Requested by:** Michael Fohey **Org/Company:** EA1 / Jacobs Sverdrup **Phone Number:** (281) 461-5684

**Email:** michael.fohey@escg.jacobs.com **Fax:** (281) 461-5926

**General description of export (spell out acronyms)** ~~Screws~~ Shear Pins

**Is this a temporary export?** ☐ Yes ☒ No **If yes, when will it be returned?** 12/31/08

**What requirement or agreement do we have with the foreign national to provide this export?** JSC28792, Rev. D

**For what purpose it is being exported (what is the end-use?)** Assemble with AMS-02 hardware for testing. Contact: Corrado Gargiulo, Tel: +41 22 80 767 9656

**To whom is it being exported?** *(or attach ProForma invoice)* Massachusetts Institute of Technology (MIT) at CERN, 1211 Geneva 23, Switzerland

**What program does this export support?** Alpha Magnetic Spectrometer (AMS) - 02 **Date denied parties/entities list checked:** 10/30/07

**Type of export (mark all that apply):**

☒ Hardware ☐ Software ☐ Data ☐ Information via discussions

*(if you checked hardware or software, please attach a completed Proforma Invoice -- )*

**Method of export (mark all that apply):**

☐ Discussion ☒ JSC Transportation Office ☐ Hand carry ☐ JSC Mail Room ☐ Electronic ☐ Other

## SECTION 2

**Export Classification** EAR99/NLR

**Classification rationale** Shear Pins are sent to support buildup of AMS-02. Classification per memo from NASA HQ/UM to JSC/OZ2, dated 3/28/02. Status of AMS compliance with U.S. Export Regulations.

## SECTION 3

### Approvals

Stephen Lamkin — Date 10/30/07 — (281)483-8264

Export classifications for this shipment were determined by — Date — Phone

Signature of Export Control Official (ECR or CEA) — Date 10/30/07 — (281) 483-8264 Phone

ES T Approval *(req'd for use of export license and license exemption/exception only)* — Date — Phone

JSC Form 1724 (Rev March 27, 2003) (Informed September 2000)

# ProForma Invoice

| Export Tracking Number: E4-07-[illegible]-23 | License Number: | JSC Voucher Number: |
|---|---|---|
| **Shipper:**<br>Transportation Officer, JB7<br>NASA Johnson Space Center<br>Houston, Texas 77058<br>(281-483-6512) | **Intermediate Cosignee (when required):** | **Destination (include phone contact):**<br>ORDER MIT<br>PH Division CERN<br>CH 1211 Geneva 23<br>Switzerland<br>Contact:<br>Corrado Gargiulo<br>Phone:<br>+41 22 767 9656 |

"These items are exported from the United States for ultimate destination Switzerland, in accordance with the Export Administration Regulations. Diversion, retransfer, disclosure, or use contrary to applications specified in NASA agreement without prior written U.S. authorization are prohibited."

| Item | Qty | Detailed Description | NASA Tag and/or Serial/Stock Number | Manufacturer Country of Origin | * Weight (kgs) | ECCN/USML CAT | License/ Exemption/ Exception | Schedule B No. (see census.gov) | Sched. B Qty | Unit Value | Total Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21 | Shear Pin, Straight, Corrosion-Resistant Steel, .2500Dia X 1.00 L, Lot # 12929, Class I | NA | Dowels, Pins & Shafts Inc. - USA | | EAR99 | NLR | | | $5.25 | $110.25 |

**Total All Sheets:** $110.25

**Traffic Management Specialist** **Date**

**Notes:**
1. This form must be completed for all exports.
2. Shipments to Russia require invoice transition by initator.

**This is not a sale, value shown is for Customs purposes only.**

JSC Form 1735 (Rev June 24, 2004) (Informed April 2004)