JSC SHIPPING DOCUMENT

1. Originator (Name, Org. Code, Phone): JD Roberts,EA, 281-461-5109
2. Date Prepared: 08/17/07

Location of Item(s):

3. Building: 420 | Room: Will | 4. Contact and Phone: Deliver to shipping

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)
- [ ] Flight/Mission Essential GSE
- [x] Non-Flight
- [ ] Other

	YES	NO
9. Materials Classified (Define Block 25)		X
10. Data Package Enclosed?		X

11. APPROVAL - Typed Name and Signature	DATE
Division Chief	8/21/07
Property Custodian - Mail Code JE3ea, JD ROBERTS	8/17/07
Contracting Officer	
Quality Assurance Representative	
Direct Program Manager	
Other	

12. 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)

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13. Ship To
Laboratory for Nuclear Science, MIT
at PH Department CERN
CH1211 Geneva 23
Switzerland

Mark For/Phone Number: Joe Burger, Phone: +41 22 767 5914

14. Date Required at Destination: 08/01/07 | Is 290A Used?: NO
15. Voucher Number: J7-233-015
16. Authority Or Purpose: AMS-02 Project
17. Contract/Grant/T-order number:
18. Signature Supply and Equipment Management Officer: Becky Batello 8/21/07
19. TCN (Tracking Control Number): 3029-207
20. Date Shipped:
21. Mode of Shipment:
22. Bill of Lading:
23. Appropriation/Funding Data:
24. Project Code:

25. Remarks
Shipment of item for assembly to test scientific instruments, provided under collaborative agreement between NASA and the destination institute. Item is Class III.

26. Item No.	27. Equipment Control No.	28. Model/Stock/Part Number	29. Item Description, Serial No., Manufacturer No., Lot No., License Plate No., Class of Hardware	30. Unit of Issue	31. Qty.	32. Unit Price	33. Total Value
1		N/A	N/A, Shockwriter Cable Assy, SN / LN >N/A, Class III	ea	1	20.00	20.00

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

Issued By: 8-22-07
Checked By: 8-22-07
Packed By: 8-22-07

Remove ECN Tag? ☐ Yes ☐ No

Total Containers	Type Container	Description	Total Weight	Total Cube
1	CT	12 x 12 x 6	3	0.5
1		CABLE ASSY	3	0.5

35. Receipt Info: Containers Rec'd; Quantities Rec'd; Date Rec'd; Rec'd By
36. Sheet Total: 20.00
37. Grand Total: 20.00
38. Receiving Voucher No.

JSC Form 290 (Rev October 16, 2006) (USE JSC Form 290A. SHIPPING CONTINUATION SHEET, IF ADDITIONAL SPACE IS REQUIRED) (Informed August 2000)

ORIGINAL

SEND A COPY OF THIS JF FORM 290 WITH RETURN SHIPMENT

Voucher Number J7-233-015

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 J7-233-015

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	08/17/07	281-461-5109	

J7-233-015

Date of Request 08/17/07

Johnson Space Center
Export Control Request and Approval Worksheet

Reference Number EA-07-233-001

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: 8/22/07

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) Shockwriter Cable Assembly

Is this a temporary export? ☐ Yes ☒ No If yes, when will it be returned?

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: Joseph Burger, Phone +41 22 767 5914

To whom is it being exported? *(or attach ProForma invoice)* Laboratory for Nuclear Science, MIT, at PH Department CERN, CH1211 Geneva 23, Switzerland

What program does this export support? Alpha Magnetic Spectrometer (AMS) - 02 **Date denied parties/entities list checked:** 8/21/07

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 ~~EAR/NLR~~ EAR99/NLR

Classification rationale Shockwriter cable assembly required to support AMS Project. 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 8/21/07 — (281)483-8264

Export classifications for this shipment were determined by — Phone

Signature of Export Control Official (ECR or CEA) — Date 8/21/07 — (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

J7-233-015

Export Tracking Number: G1-07-233-001	License Number:	JSC Voucher Number:
Shipper: NASA/Lyndon B. Johnson Space Center Transportation :Officer, Bldg. 421 2101 NASA Road 1 Houston, Texas 77058	**Intermediate Cosignee (when required):**	**Destination (include phone contact):** Laboratory for Nuclear Science, MIT at PH Department CERN CH1211 Geneva 23 Switzerland Contact: Joseph Burger Phone: +41 22 767 5914

"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	1	N/A, Shockwriter Cable Assy, SN / LN >N/A, Class III	NONE	ESCG / Jacobs - USA		EAR99	NLR			$20.00	$20.00

Total All Sheets: $20.00

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)