57-234-014

JSC SHIPPING DOCUMENT

1. Originator (Name, Org. Code, Phone): JD Roberts,EA, 281-461-5109
2. Date Prepared: 08/21/07

Location of Item(s):

3. Building: 421 | Room: Bond | 4. Contact and Phone: will delv'r to B421 to process.

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. APPROVAL - Typed Name and Signature	DATE
Division Chief	8/21/07
Property Custodian - Mail Code JE3ea, JD ROBERTS	8/21/07
Contracting Officer	
Quality Assurance Representative (SAIC 136)	8/23/07
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)

14. Date Required at Destination: 08/28/07 | Is 290A Used? YES | 15. Voucher Number
16. Authority Or Purpose: AMS-02 Project | 17. Contract/Grant/T-order number
18. Signature Supply and Equipment Management Officer

13. Ship To
ORDER MIT
CERN
1211 Geneva 23
Switzerland

858 518 173 891

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

Mark For/Phone Number: Maurice Vergain, Phone: +41 22 767 4611

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

8/23/07

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		NAS1352C08-9	Screw, Cap, Socket Head, .1640-32 UNRC-3A X 0.5625L, Lot #50113, Class I	ea	8	10.00	80.00
2		NAS1352C08-16	Screw, Cap, Socket Head, .1640-32 UNRC-3A X 1.0L, Lot #32081, Class I	ea	8	2.50	20.00
3		NAS1352C08-12	Screw, Cap, Socket Head, .1640-32 UNRC-3A X 0.75L, Lot #41444, Class I	ea	23	2.00	46.00

34. 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					

35. Receipt Info: Containers Rec'd; Quantities Rec'd; Date Rec'd; Rec'd By
36. Sheet Total: 146.00
37. Grand Total: 3,821.00
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 2008)

ORIGINAL

SEND A COPY OF THIS JF FORM 290 WITH RETURN SHIPMENT

SHIPPING DOCUMENT (Continuation Sheet)

TCN

VOUCHER NO.

15. ITEM NO.	16. EQUIPMENT CONTROL NUMBER	17. MODEL NUMBER/ STOCK NUMBER/ PART NUMBER	18. ITEM DESCRIPTION, SERIAL NO., MANUFACTURER NO., LOT NO., LICENSE PLATE NO., CLASS OF HARDWARE	19. UNIT OF ISSUE	20. QTY	21. UNIT PRICE	22. TOTAL VALUE
4		NAS1352C08-19	Screw, Cap, Socket Head, .1640-32 UNRC-3A X 1.1875L, Lot #83148, Class I	ea	8	37.50	300.00
5		NA0069-040012	Screw, Cap, Hexagon Socket Head, MJ4 X 12mm, Lot #35545, Class I	ea	58	10.75	623.50
6		NAS1352C08-26	Screw, Cap, Socket Head, .1640-32 UNRC-3A X 1.625L, Lot #83061, Class I	ea	8	6.50	52.00
7		NAS1351N4H12	Screw, Cap, Socket Head, .2500-28 UNRF-3A X 0.75L, Lot #82320, Class I	ea	3	17.50	52.50
8		NAS1352C08-24	Screw, Cap, Socket Head, .1640-32 UNRC-3A X 1.5L, Lot #35782, Class I	ea	13	5.00	65.00
9		NAS1352C08-22	Screw, Cap, Socket Head, .1640-32 UNRC-3A X 1.375L, Lot #30657, Class I	ea	8	7.50	60.00
10		NAS1351N5H-14	Screw, Cap, Socket Head, Drilled Head, .3125-18 UNRC-3A X 0.875L, Lot #82005, Class I	ea	3	37.50	112.50
11		NA0069-040020	Screw, Cap, Hexagon Socket Head, MJ4 X 20mm, Lot #35542, Class I	ea	48	18.00	864.00
12		NA0034C040M	Nut, Self-Locking, Hexagon, Extended Washer, 1100 MPa, A286, MJ4X1, Lot #506735	ea	100	3.52	352.00
13		NA0069-040010	Screw, Cap, Hexagon Socket Head, MJ4 X 10mm, Lot #44390, Class I	ea	38	14.50	551.00
14		NA0069-040016	Screw, Cap, Hexagon Socket Head, MJ4 X 16mm, Lot #35545, Class I	ea	38	10.75	408.50
15		NA0069-050008	Screw, Cap, Hexagon Socket Head, MJ5 X 8mm, Lot #35552, Class I	ea	13	18.00	234.00

JSC Form 290A (Rev June 30, 2005) (Informed August 2000)

SheetTot 3,675.00

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	08/21/07	281-461-5109	

Date of Request 08/21/07

Johnson Space Center
Export Control Request and Approval Worksheet

Reference Number EA07-234-001

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: 8/24/07

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

Is this a temporary export? ☐ Yes ☒ No If yes, when will it be returned? 12/21/07

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: Maurice Vergain , Phone: +41 22 767 4611

To whom is it being exported? *(or attach ProForma invoice)* ORDER MIT, CERN, 1211 Geneva 23, Switzerland

What program does this export support? Alpha Magnetic Spectrometer (AMS) - 02 **Date denied parties/entities list checked:** 8/23/07

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 Screws 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 Export classifications for this shipment were determined by	8/22/07 Date	(281)483-8264 Phone
Signature of Export Control Official (ECR or CEA)	8/22/07 Date	(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:	License Number:	JSC Voucher Number:
Shipper: Transportation Officer, JB7 NASA Johnson Space Center Houston, Texas 77058 (281-483-6512)	**Intermediate Cosignee (when required):**	**Destination (include phone contact):** ORDER MIT CERN 1211 Geneva 23 Switzerland Contact: Maurice Vergain Phone: +41 22 767 4611

"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	8	NAS1352C08-9, Screw, Cap, Socket Head, .1640-32 UNRC-3A X 0.5625L, Lot #50113, Class I	NONE	B & B Spec. -USA		EAR99	NLR	7318.19.0000		$10.00	$80.00
2	8	NAS1352C08-16, Screw, Cap, Socket Head, .1640-32 UNRC-3A X 1.0L, Lot #32081, Class I	NONE	Ideal Fasteners -USA		EAR99	NLR	7318.19.0000		$2.50	$20.00
3	23	NAS1352C08-12, Screw, Cap, Socket Head, .1640-32 UNRC-3A X 0.75L, Lot #41444, Class I	NONE	Ideal Fasteners -USA		EAR99	NLR	7318.19.0000		$2.00	$46.00
4	8	NAS1352C08-19, Screw, Cap, Socket Head, .1640-32 UNRC-3A X 1.1875L, Lot #83148, Class I	NONE	B & B Spec. -USA		EAR99	NLR	7318.19.0000		$37.50	$300.00
5	58	NA0069-040012, Screw, Cap, Hexagon Socket Head, MJ4 X 12mm, Lot #35545, Class I	NONE	Ideal Fasteners -USA		EAR99	NLR	7318.19.0000		$10.75	$623.50
6	8	NAS1352C08-26, Screw, Cap, Socket Head, .1640-32 UNRC-3A X 1.625L, Lot #83061, Class I	NONE	Ideal Fasteners -USA		EAR99	NLR	7318.19.0000		$6.50	$52.00

Total All Sheets: $3,821.00

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)

ProForma Invoice

Export Tracking Number:	License Number:	JSC Voucher Number:
Shipper: Transportation Officer, JB7 NASA Johnson Space Center Houston, Texas 77058 (281-483-6512)	**Intermediate Cosignee (when required):**	**Destination (include phone contact):** ORDER MIT CERN 1211 Geneva 23 Switzerland Contact: Maurice Vergain Phone: +41 22 767 4611

"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
7	3	NAS1351N4H12, Screw, Cap, Socket Head, .2500-28 UNRF-3A X 0.75L, Lot #82320, Class I	NONE	B & B Spec. -USA		EAR99		7318.19.0000		$17.50	$52.50
8	13	NAS1352C08-24, Screw, Cap, Socket Head, .1640-32 UNRC-3A X 1.5L, Lot #35782, Class I	NONE	Ideal Fasteners -USA		EAR99		7318.19.0000		$5.00	$65.00
9	8	NAS1352C08-22, Screw, Cap, Socket Head, .1640-32 UNRC-3A X 1.375L, Lot #30657, Class I	NONE	3V Fasteners - USA		EAR99		7318.19.0000		$7.50	$60.00
10	3	NAS1351N5H-14, Screw, Cap, Socket Head, Drilled Head, .3125-18 UNRC-3A X 0.875L, Lot #82005, Class I	NONE	B & B Spec. -USA		EAR99	NLR	7318.19.0000		$37.50	$112.50
11	48	NA0069-040020, Screw, Cap, Hexagon Socket Head, MJ4 X 20mm, Lot #35542, Class I	NONE	Ideal Fasteners -USA		EAR99	NLR	7318.19.0000		$18.00	$864.00
12	100	NA0034C040M, Nut, Self-Locking, Hexagon, Extended Washer, 1100 MPa, A286, MJ4X1, Lot #506735, Class I	NONE	Monadnock - USA		EAR99	NLR			$3.52	$352.00

Total All Sheets: _____

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)

ProForma Invoice

Export Tracking Number:	License Number:	JSC Voucher Number:
Shipper: Transportation Officer, JB7 NASA Johnson Space Center Houston, Texas 77058 (281-483-6512)	**Intermediate Cosignee (when required):**	**Destination (include phone contact):** ORDER MIT CERN 1211 Geneva 23 Switzerland Contact: Maurice Vergain Phone: +41 22 767 4611

"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
13	38	NA0069-040010, Screw, Cap, Hexagon Socket Head, MJ4 X 10mm, Lot #44390, Class I	NONE	Ideal Fasteners -USA		EAR99	NLR	7318.19.0000		$14.50	$551.00
14	38	NA0069-040016, Screw, Cap, Hexagon Socket Head, MJ4 X 16mm, Lot #35545, Class I	NONE	Ideal Fasteners -USA		EAR99	NLR	7318.19.0000		$10.75	$408.50
15	13	NA0069-050008, Screw, Cap, Hexagon Socket Head, MJ5 X 8mm, Lot #35552, Class I	NONE	Ideal Fasteners -USA		EAR99	NLR	7318.19.0000		$18.00	$234.00

Total All Sheets: _____

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)