JSC SHIPPING DOCUMENT

1. Originator (Name, Org. Code, Phone): JD Roberts, EA, 281-461-5109
2. Date Prepared: 11/22/06

Location of Item(s):
3. Building | Room | 4. Contact and Phone

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: [signature]	11/27/06
Property Custodian - Mail Code JE3ea: [signature] JD ROBERTS	11/27/06
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)

14. Date Required at Destination: 12/15/06
Is 290A Used?: YES
15. Voucher Number: J6-332-006
16. Authority Or Purpose: AMS-02 Project
17. Contract/Grant/T-order number
18. Signature Supply and Equipment Management Officer

13. Ship To

FROM: Scientific Magnetics (SM)
Building E1, Culham Science Centre
Abingdon OX14 3DB
United Kindom

Contact: Stephen Harrison, 44 1865 409200

TO: UNIVERSITA' DEGLI STUDI DI PERUGIA
c/o LABORATORIO SERMS
VIA PENTIMA BASSA 21, 05100 TERNI (TR)
ITALY

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: Bruna Bertucci/SERMS, phone: +39 (0744) 492 913 or Cell +39 (3473) 576 6496

25. Remarks SEE
Class III ~~temporary~~ shipment of items for assembly of scientific instruments, provided under collaborative agreement between NASA and the destination institute. Expected return of items assembled in a higher level assembly is due in December 2007. Original NASA JSC Form 290 #J6-205-002 shipped from Houston, TX to UK. This 290 will ship items from UK to Italy.

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	Craftman Tool Box, Rollaway	ea	1	300.00	300.00
2.		N/A	Files, Assorted	ea	2	10.00	20.00
3.		N/A	Brush, File	ea	2	10.00	20.00
4.		N/A	Assorted Tap Tools	ea	18	15.00	270.00
5.		N/A	Helicoil Repair Kits	ea	4	50.00	200.00
6.		N/A	Keenser Installation Kit	ea	4	20.00	80.00

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

Issued By
Remove ECN Tag? ☐ Yes ☐ No

Checked By / Packed By	Total Containers	Type Container	Description	Total Weight	Total Cube

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

36. Sheet Total: 890.00
37. Grand Total: 4,014.00
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 SHIPPING 290 WITH RETURN SHIPMENT

SHIPPING DOCUMENT (Continuation Sheet)

TCN

VOUCHER NO. J6-332-006

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
7.		N/A	Apex Drivers (Assorted Sizes)	ea	22	5.00	110.00
8.		N/A	Breaker Bar	ea	2	20.00	40.00
9.		N/A	Midget Open End Wrench Set	ea	2	25.00	50.00
10.		N/A	Jeweler Files Set	ea	1	35.00	35.00
11.		N/A	Allen (Wobble Head) Set	ea	1	50.00	50.00
12.		N/A	Allen Wrench Set	ea	2	35.00	70.00
13.		N/A	Socket Wench Adapter	ea	5	40.00	200.00
14.		N/A	Socket Wench Extension	ea	16	10.00	160.00
15.		N/A	Socket Head	ea	63	5.00	315.00
16.		N/A	Socket, Ratchet	ea	6	120.00	720.00
17.		N/A	Socket Driver	ea	1	5.00	5.00
18.		N/A	Socket Head	ea	68	5.00	340.00
19.		N/A	Combination Wrench	ea	23	8.00	184.00
20.		N/A	Screw Drivers	ea	14	10.00	140.00
21.		N/A	Wrench, Crow Foot	ea	20	10.00	200.00
22.		N/A	Wrench, Box End	ea	7	10.00	70.00
23.		N/A	Wrench, Speed	ea	2	20.00	40.00
24.		N/A	Pliers and Side Cutters	ea	10	15.00	150.00
25.		N/A	Pry Bar	ea	1	30.00	30.00
26.		N/A	Hammer / Mallet	ea	5	25.00	125.00
27.		N/A	Gloves, Set	ea	2	10.00	20.00
28.		N/A	Reamer	ea	2	35.00	70.00

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

SheetTot 3,124.00

Voucher Number J6-332-006

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	11/22/06	281-461-5109	

Date of Request 11/21/06

Johnson Space Center
Export Control Request and Approval Worksheet

Reference Number EA2-06-331-005

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: 12/7/06

Requested by: Phil Mott **Org/Company:** EA1 / Jacobs Sverdrup **Phone Number:** (281) 461-5712

Email: phillip.mott@escg.jacobs.com **Fax:** (281) 461-5926

General description of export (spell out acronyms) Tools within Tool Box

Is this a temporary export? ☐ Yes ☒ No **If yes, when will it be returned?** 12/01/07

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?) Assembly into AMS-02 hardware. Contact: Bruna Bertucci,tel: +39.0744.49.29.13

To whom is it being exported? *(or attach ProForma invoice)* Universita Degli Studi Di Perugia, c/o Laboratorio SERMS, Via Pentima Bassa 21, 05100, Terni (TR), Italy

What program does this export support? Alpha Magnetic Spectrometer (AMS) - 02 **Date denied parties/entities list checked:** 11/27/06

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 AMS tools are sent for assembly of scientific instruments. 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	11/27/06	(281)483-8264
Export classifications for this shipment were determined by	Date	Phone
S. Lamkin	11/27/06	(281) 483-8264
Signature of Export Control Official (ECR or CEA)	Date	Phone
ES T Approval *(req'd for use of export license and license exemption/exception only)*	Date	Phone

** THESE ITEMS HAVE NO COMMERCIAL VALUE **

ProForma Invoice

NJS07-00, 1013 J6-332-006

Export Tracking Number:	License Number:	JSC Voucher Number:
Shipper: Scientific Magnetics Building E1, Culham Science Centre Abingdon OX14 3DB United Kingdom Contact: Stephen Harrison Phone: 44 1865 409200	**Intermediate Cosignee (when required):**	**Destination (include phone contact):** UNIVERSITA' DEGLI STUDI DI PERUGIA c/o LABORATORIO SERMS VIA PENTIMA BASSA 21, 05100 TERNI (TR) Italy Contact: Bruna Bertucci Phone: +39.0744.49.29.13

"These items are exported from the United States for ultimate destination Italy, 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	Craftman Tool Box, Rollaway, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$300.00	$300.00
2	2	Files, Assorted, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$10.00	$20.00
3	2	Brush, File, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$10.00	$20.00
4	18	Assorted Tap Tools, S/N L/N NA, Class III	NONE	Greenfield - USA		EAR99	NLR			$15.00	$270.00
5	4	Helicoil Repair Kits, S/N L/N NA, Class III	NONE	Helicoil - USA		EAR99	NLR			$50.00	$200.00
6	4	Keenser Installation Kit, S/N L/N NA, Class III	NONE	Keenser - USA		EAR99	NLR			$20.00	$80.00
7	22	Apex Drivers (Assorted Sizes), S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$5.00	$110.00
8	2	Breaker Bar, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$20.00	$40.00
9	2	Midget Open End Wrench Set, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$25.00	$50.00

Total All Sheets: $1,090.00

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)

** THESE ITEMS HAVE NO COMMERCIAL VALUE **

ProForma Invoice

J6-332-006

Export Tracking Number:	License Number:	JSC Voucher Number:
Shipper: Scientific Magnetics Building E1, Culham Science Centre Abingdon OX14 3DB United Kingdom Contact: Stephen Harrison Phone: 44 1865 409200	**Intermediate Cosignee (when required):**	**Destination (include phone contact):** UNIVERSITA' DEGLI STUDI DI PERUGIA c/o LABORATORIO SERMS VIA PENTIMA BASSA 21, 05100 TERNI (TR) Italy Contact: Bruna Bertucci Phone: +39.0744.49.29.13

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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
10	1	Jeweler Files Set, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$35.00	$35.00
11	1	Allen (Wobble Head) Set, S/N L/N NA, Class III	NONE	Bondhus Corp - USA		EAR99	NLR			$50.00	$50.00
12	2	Allen Wrench Set, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$35.00	$70.00
13	5	Socket Wench Adapter, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$40.00	$200.00
14	16	Socket Wench Extension, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$10.00	$160.00
15	63	Socket Head, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$5.00	$315.00
16	6	Socket, Ratchet, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$120.00	$720.00
17	1	Socket Driver, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$5.00	$5.00
18	68	Socket Head S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$5.00	$340.00

Total All Sheets: $1,895.00

Traffic Management Specialist _____ **Date** _____

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

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"These items are exported from the United States for ultimate destination Italy, 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
19	23	Combination Wrench, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$8.00	$184.00
20	14	Screw Drivers, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$10.00	$140.00
21	20	Wrench, Crow Foot, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$10.00	$200.00
22	7	Wrench, Box End, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$10.00	$70.00
23	2	Wrench, Speed, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$20.00	$40.00
24	10	Pliers and Side Cutters, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$15.00	$150.00
25	1	Pry Bar, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$30.00	$30.00
26	5	Hammer / Mallet, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$25.00	$125.00
27	2	Gloves, Set, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$10.00	$20.00
28	2	Reamer, S/N L/N NA, Class III	NONE	Craftman-USA		EAR99	NLR			$35.00	$70.00

Total All Sheets: $1,029.00

Traffic Management Specialist _____ **Date** _____

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