

# JSC SHIPPING DOCUMENT

1. Originator (Name, Org. Code, Phone) **JD Roberts, EA, 281-461-5684** 2. Date Prepared **08/30/07**

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  
 Test and Return  
 Replacement or Credit  
 Relocation  
 For Flight/Return  
 For Flight/Return  
**JF 1027 No.: N/A**

6. Shipping Information (Check One)  
 Prepaid  
 Collect  
 Government Funds (File #s)  
 Vendor Pickup  
 Hand Carry  
 Third Party Billing

7. Shipment in Direct Support of:  
 Shuttle STS  
 Space Station Mission  
 Other: Please Explain  
**For Assy & Test**

8. QUALITY CONTROL INFORMATION (Check Each)  
 Flight/Assembled  
 Essential  
 GSE  
 Non-Flight  
 Other  

YES	NO
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9. Materials Classified (Define Block 25)  
 X  
 X

10. Data Package Enclosed?  
 X

11. APPROVAL - Typed Name and Signature  
 Division Chief: *[Signature]*  
 Property Custodian - Mail Code **JE3E2**  
 Contracting Officer: *[Signature]* **JD ROBERTS**  
 Date: **8/31/07**

Quality Assurance Representative: *[Signature]*  
 Direct Program Manager: *[Signature]*

12. From: **NASA/Lyndon B. Johnson Space Center  
 Transportation Officer, Bldg. 421  
 2101 NASA Road 1  
 Houston, Texas 77058**  
 For Return Shipments to JSC, in **2007** **Alfredo Cavallo** **281-483-0287**

13. Ship To  
**INFN Sezione Bologna  
 Viale Bert Pichat 6/2  
 40127 Bologna  
 Italy**

Mark For/Phone Number: **Giuliano Laurenti, Phone: 39 051 2095 263**

14. Date Required at Destination **09/05/07** Is 290A Used? **NO**  
 15. Voucher Number **J7-243-010**  
 16. Authority Or Purpose **AMS-02 Project**  
 17. Contract/Grant/Order Number  
 18. Signature Supply and Equipment Management Officer *[Signature]*  
 19. TGN (Tracking Control Number) **3168-207**  
 20. Date Shipped  
 21. Date: **09/04/2007**  
 22. Weight: **4.0 LBS**  
 23. Special Handling: **0.00**  
 24. Total: **37.54**  
 25. # of Pkgs: **1**  
 26. Svc: **INTL PRIORITY**  
 27. TRCK: **7201 4437 5753**  
 28. of Lading

25. Remarks  
 Items listed are for the assembly of scientific instruments, provided under collaborative agreement between **ESA and NASA** destination institute. Items are Class I.

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		AADH200-5-5	Bolt, 12 Point, 200KSI Min Ultimate Tensile Strength, .312-24 UNJF-3A X 0.3125 Grip Length, Lot # 11754-001, Class I	ea	48	72.00	3456.00
2		NAS1587-5C	Washer, Countersunk, Lot # S8203, Class I	ea	42	0.65	27.30

34. Recapitulation of Shipment (Spaced below to be completed by logistics division only)  
 Remove ECN Tag?  Yes  No  
 Issued By: **AS 8/31/07**  
 Checked By: **SM**  
 Packed By: **JOE**  
 Description: **16 X 12 X 10 BOLTS/WASHERS**  
 Total Containers: **1**  
 Type Container: **CT**  
 Total Weight: **4**  
 Total Cube: **1.1**  
 Date Recd: **9-4-07**  
 Recd By: **CT**

ORIGINAL

SEND A COPY OF THIS FORM WITH RETURN SHIPMENT

3168-207 B 157-243-010

**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  
 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?  
IS THE HARDWARE PACKAGED CORRECTLY FOR ESD SENSITIVITY?  
 Yes  No  
 Yes  No  
 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:  
Minimum temperature:  Yes  No  
Maximum temperature:  Yes  No  
Minimum humidity:  Yes  No  
Maximum humidity:  Yes  No

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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 REQUIREMENTS
  - 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		08/30/07	(281) 461-5109	

**ProForma Invoice**

7201 4437 5753

**\*\* THESE ITEMS HAVE NO COMMERCIAL VALUE \*\***

Export Tracking Number: *EA-01-212-021*

License Number:

JSC Voucher Number: **J7-243-010**

Shipper: Transportation Officer, JB7

Intermediate Consignee (when required):

NASA Johnson Space Center  
Houston, Texas 77058  
(281-483-6512)

Destination (include phone contact):  
INFN Sezione Bologna  
Viale Berti Piccati 6/2  
40127 Bologna  
Italy

Contact:  
Giuliano Laurenti  
Tel. 39 051 2095 263

\*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	48	AADH200-5-5, Bolt, 12 Point, 200KSI Min Ultimate Tensile Strength, .312-.24 UNJF-3A X 0.3125 Grip Length, Lot # 11754-001, Class I	NONE	A & A - USA		EAR99	NLR	7318.15.0000		\$72.00	\$3,456.00
2	42	NASI587-5C, Washer, Countersunk, Lot # S8203, Class I	NONE	Anillo - USA		EAR99	NLR	7318.15.0000		\$0.65	\$27.30
ITEMS PACKED IN 1 CARTON											
AES ITN: X20070904010267											
Total All Sheets: \$3,483.30											

Traffic Management Specialist  
**AGGIE WILLIAMS**

Date

*Martin Tolson*  
*9/4/07*

**Notes:**

1. This form must be completed for all exports.
2. Shipments to Russia require invoice transition by initiator.

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

### Johnson Space Center Export Control Request and Approval Worksheet

Reference Number

EA-07-242-001

Date of Request 08/10/07

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: 8/31/07

Requested by: Michael Fohey

Email: michael.fohey@escg.jacobs.com

Org/Company: EAI / Jacobs Sverdrup

Phone Number: (281) 483-5684

General description of export (spell out acronyms)

Fasteners

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-user?) Assemble with AMS-02 hardware for testing. Contact: Giuliano Laurenti, Phone: 39 051 2095 263

To whom is it being exported? (or attach ProForma Invoice) INFN Sezione Bologna, Viale Berti Piccat 6/2, 40127 Bologna, Italy

What program does this export support? Alpha Magnetic Spectrometer (AMS) - 02 Date denied parties/entities list checked: 8/30/07

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 Fasteners required to support the assembly of the 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 Lankin

Export classifications for this shipment were determined by

[Signature]  
Signature of Export Control Official (ECR or CEA)

Date 8/30/07

Phone (281) 483-8264

Date 8/30/07

Phone (281) 483-8264

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

Phone