J7-010-007

JSC SHIPPING DOCUMENT

1. Originator (Name, Org. Code, Phone)	J.D. Roberts, EA, 281-461-5684
2. Date Prepared	12/20/06
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. APPROVAL - Typed Name and Signature	DATE
Division Chief [signature]	1/5/06
Property Custodian - Mail Code JE3ec Michael F Fahey	01/05/07
Contracting Officer	
Quality Assurance Representative [signature] SAIC 136	1/16/07
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	01/08/07
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

Center for European Nuclear Research (CERN)

PREVESSIN GOODS RECEPTION , Building 904-R-001

F - 01630 PREVESSIN

FRANCE

ATTN: Professor Samuel C.C. TING
Prevessin Goods Reception Tel.: +41 22 767 5657

Mark For/Phone Number: Laurence Barrin/MIT, Tel. +41 22 767 4477, Cell: +41 76 487 0745

19 TCN (Tracking Control Number)

20. Date Shipped: 1/17/07

21. Mode of Shipment: FLITE AIR FREIGHT

22. Bill of Lading: NJS07-00 1034

23. Appropriation/Funding Data

24. Project Code

25. Remarks

Shipment of items for assembly of scientific instrument testing, provided under collaborative agreement between NASA and the destination institute. Items 1.1, 2.1, and 3 are Class I within shipping configuration. Remaining items are Class GSE. 1/16/07

Reference DRs 2A0730002, 2A0730013, 2A0730015, 2A0730014 SAIC 136

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
	DR 2A0730007, 2A0730011						
1		SEG38116929-301	Upper USS-02/Payload Shipping ~~(includes Line Item 1.1)~~	ea	1	1,200,000.00	1,200,000.00
~~1.1~~		~~SEG38117000-309~~	~~Primary Support Stand (PSS) Assembly, Low Level Configuration (includes Line Item 1.2) NOTE: Unit Price is for GSE components of Line Items 1 & 1.1 only.~~	~~ea~~	~~1~~	~~1,200,000.00~~	~~1200000.00~~
1.1		SEG39135726-303	Upper USS Buildup Assy, S/N 1001, Class I NOTE: Unit Price is for Flight Hardware component only.	ea	1	2,700,000.00	2700000.00

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: 3,900,000.00

37. Grand Total: 5,851,041.12

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

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
2		SEG38116930-303	Lower Payload/USS Shipping Assembly (NOTE: Unit Price is for GSE components only)	ea	1	350,000.00	350,000.00
2.1		SEG39135758-302	Lower USS Assy, S/N 1001, Class I (NOTE: Unit Price is for Flight Hardware component only)	ea	1	1,100,000.00	1,100,000.00
3		SEG39135768-301	Keel Assembly, USS-02 Ass'y, S/N 1001, Class I	ea	1	500,000.00	500,000.00
4		1016946	HR-125 Swivel Hoist, S/N: 1014, Class I	ea	1	260.28	260.28
5		1016946	HR-125 Swivel Hoist, S/N: 1015, Class I	ea	1	260.28	260.28
6		1016946	HR-125 Swivel Hoist, S/N: 1016, Class I	ea	1	260.28	260.28
7		1016946	HR-125 Swivel Hoist, S/N: 1011, Class I	ea	1	260.28	260.28

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

SheetTot

1,951,041.12

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

Shock monitoring devices are installed in line items 1 & 2

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	11/27/06	281-461-5109	

Date of Request 01/04/07

Johnson Space Center
Export Control Request and Approval Worksheet

Reference Number EA2-07-005-003

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: 01/16/07

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

Email: michael.fohey@escg.jacobs.com Fax: (281) 461-5684

General description of export (spell out acronyms) AMS Unique Support Structure-02 (USS-02) with Primary Support Stand (PSS)

Is this a temporary export? ☒ Yes ☒ No If yes, when will it be returned? 12/01/08

What requirement or agreement do we have with the foreign national to provide this export? JSC28792, Rev. D; AMS Integration Plan JSC63123

For what purpose it is being exported (what is the end-use?) Assembly of the AMS-02 Payload. Contact: Laurence Barrin +41.22.767.4477

To whom is it being exported? *(or attach ProForma invoice)* Center for European Nuclear Research (CERN), Prevessin, France

What program does this export support? Alpha Magnetic Spectrometer (AMS) - 02 Date denied parties/entities list checked: 1/5/07

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 The USS-02 is the backbone of the AMS-02 Payload. The Payload has been categorized by the Department of Commerce to be EAR99/NLR.

SECTION 3

Approvals

Stephen Lamkin — Date 1/5/07 — Phone 281/483-8264

Export classifications for this shipment were determined by

Signature of Export Control Official (ECR or CEA) — Date 1/5/07 — Phone 281/483-8264

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):** Center for European Nuclear Research (CERN) Prevessin Goods Reception , Bldg. 904-R-001 F - 01630 PREVESSIN Contact: Laurence Barrin FRANCE Phone: +41 22 767 4477

"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	SEG38116929-301, Upper USS-02/Payload Shipping	NONE	NASA/JSC - USA		EAR99	NLR	7610.90.0050		$1,200,000.00	$1,200,000.00
1.1	1	SEG39135726-303, Upper USS-02 Build-up Assembly, S/N: 1001, Class I [NOTE: Unit Price is for Flight Hardware component only],	NONE	NASA/JSC - USA		EAR99	NLR	7610.90.0050		$2,700,000.00	$2,700,000.00
2	1	SEG38116930-303, Lower Payload/USS Shipping Assembly [NOTE: Unit Price is for GSE components only).	NONE	NASA/JSC - USA		EAR99	NLR	7610.90.0050		$350,000.00	$350,000.00
2.1	1	SEG39135758-302, Lower USS Assembly, S/N: 1001, Class I [NOTE: Unit Price is for Flight Hardware component only]	NONE	NASA/JSC - USA		EAR99	NLR	7610.90.0050		$1,100,000.00	$1,100,000.00
3	1	SEG39135768-301, Keel Assembly, Uss-02 Assembly, Class I, S/N: 1001	NONE	NASA/JSC - USA		EAR99	NLR	7610.90.0050		$500,000.00	$500,000.00
4	1	1016946, HR-125 Swivel Hoist, S/N 1014, Class I	NONE	J & M Aerospace - USA		EAR99	NLR			$260.28	$260.28
5	1	1016946, HR-125 Swivel Hoist, S/N 1015, Class I	NONE	J & M Aerospace - USA		EAR99	NLR			$260.28	$260.28

Total All Sheets: $5,851,041.12

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):** Center for European Nuclear Research (CERN) Prevessin Goods Reception , Bldg. 904-R-001 F - 01630 PREVESSIN Contact: Laurence Barrin FRANCE Phone: +41 22 767 4477

"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
6	1	1016946, HR-125 Swivel Hoist, S/N 1016, Class I	NONE	J & M Aerospace - USA		EAR99	NLR			$260.28	$260.28
7	1	1016946, HR-125 Swivel Hoist, S/N 1011, Class I	NONE	J & M Aerospace - USA		EAR99	NLR			$260.28	$260.28

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)