

KSC ISS Logistics Support



Joe Tellado/NASA-KSC Logistics
Multilateral L&MCP
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KSC ISS Logistics Tasks

- Logistics Host Role services for ISS Missions
 - Support HTV/ATV/Russian mission processing for manifested items
 - Commercial Re-Supply Services (CRS) Launches
 - ❖ SpaceX (KSC)
 - ❖ Orbital Sciences (Wallops Va)
 - Utilization & Life Sciences
- Maintain and manage the ISS inventory per Program requirements.
- Continue to support OEM Closeout on as-directed basis, based on extension of OEMs due to ISS Life Extension.
- Continue the disposition of hardware that is not needed for the ISS Program or any follow on programs
- Continue to provide Depot support to ISS Program as required



KSC ISS IP Logistics Activities

- Late Stow manifesting on Space X 3 mission. (JAXA cable)
- Hosted Wet ACY Hardware TIM with Russian Space Agency to determine KSC host role services & to ultimately transition servicing operations
- Coordinating return & shipment of 2 Life Science Glove Box Racks from Tsukuba, Japan to U.S.

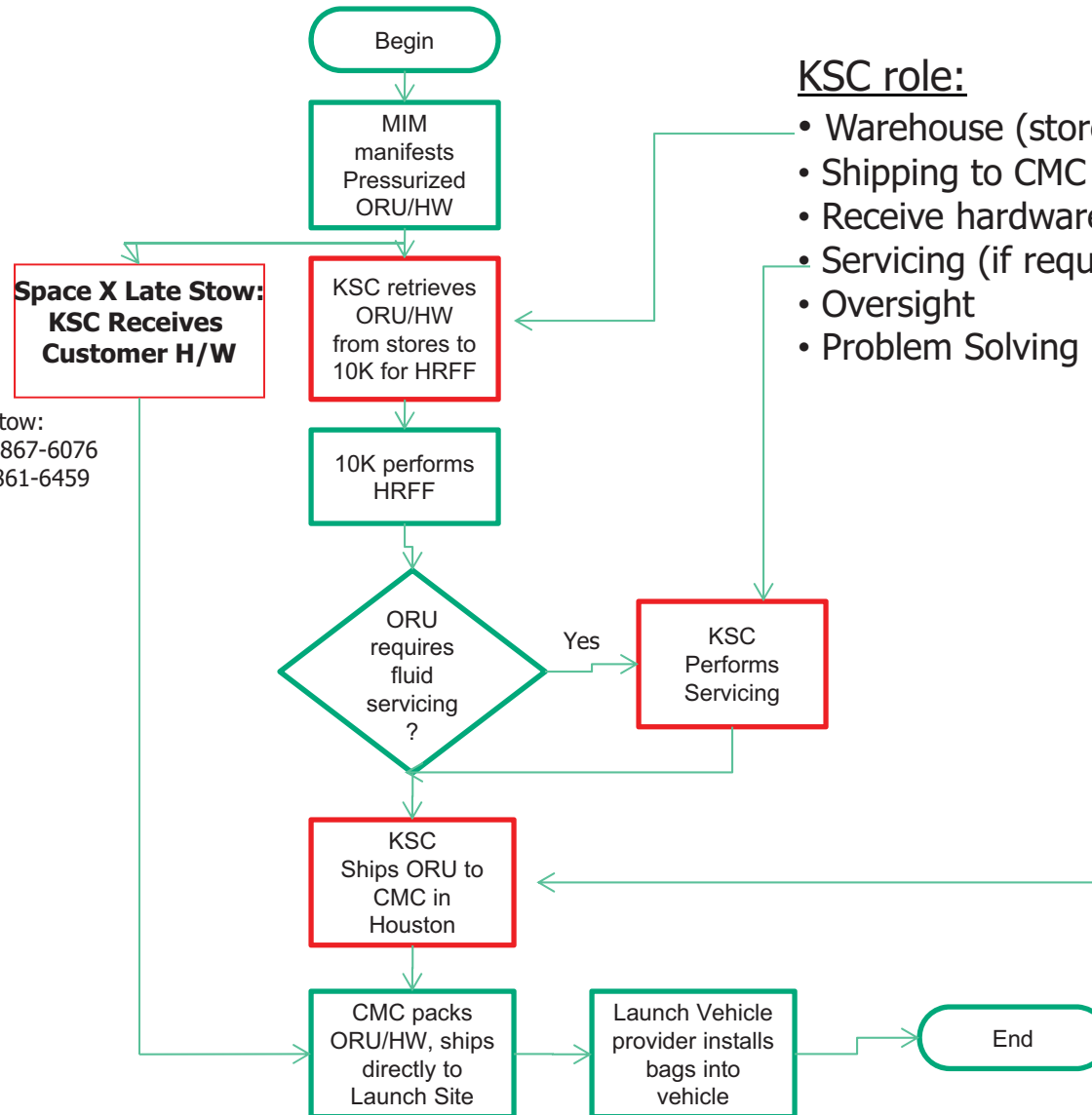
Pressurized ORU/Hardware ConOps Flow

Visiting Vehicles

- HTV
- ATV
- Soyuz
- SpaceX
- Orbital

* KSC POC Late Stow:
Skip Swaney (321-867-6076)
Katie Zajdel (321) 861-6459

KSC Responsibility



KSC role:

- Warehouse (stores)
- Shipping to CMC
- Receive hardware from Customer
- Servicing (if required)
- Oversight
- Problem Solving

KSC Logistics Operations

- **KSC/ISS Logistics Operations will continue to provide Payload and ORU Processing support to the ISS Program and IP Partners.**
- **KSC/ISS Logistics Interfaces**
 - **Bart Pannullo, UB Project Office Logistics Project Manager, 321-861-4298**
 - **Luis Moctezuma, GP-L2 Logistics Chief, 321-867-6597**
- **KSC/ISS Logistics Mission Interfaces**
 - **Ewing (Skip) Swaney, GP-L2, 321-867-6076**
 - **Katie Zajdel, GP-L2, 321-861-6459**
- **KSC/ISS Logistics Team**
 - **Rick Rodriguez** Depot Operations (321) 867-6576
 - **Joe Tellado** Logistics Engineering (321) 867-6064
 - **Maria Stelzer** Technical Integration Manager (321) 861-5375
 - **Bernadette Brightman-Merrell** Technical Training (321) 867-6072
 - **Frances Cunningham** Warehouse Operations (321) 861-4700



Back-Up Charts

Logistics Launch Site Services

Off-loading Transportation	Depot, Shops and Labs
Load/offload coordination, transport to the assigned Facility and required services at KSC point of entry	Provide emergency shop support for failure analysis, alignment table, fabrication/repair of customer flight/GSE hardware
Arrange for cleaning of vehicle and shipping container before clean work area entry	Calibration, Proof load, cleaning / decontamination and other preventive maintenance support
Transport Flight Elements and GSE between KSC and/or Cape Canaveral Air Force Station (CCAFS) and local off-site facilities	Material Management
Coordinate aircraft/ship/truck fueling for Flight Element and GSE arrival/departure	Provide bench stock consumable items such as plastics, foams, adhesives, wipes, and cleaning materials
Receiving / Shipping	Issue loan-pool equipment including tools, headsets, and clean-room/anti-static/protective garments
Provide Receiving Count and Condition, report any damage to the proper office(s).	Procurement
Plan/prepare Flight Hardware and GSE for shipments from/to KSC, including building of specialized container	Provide minor (<\$1,000) procurement of material for KSC Customers
Facilitate customer interface with U.S. Customs (import or export)	Technical Training
Warehousing / Storage	Plan, develop, implement and maintain a Technical Training and certification program, Provide Area Access Courses
Controlled storage of hardware, equipment and material, including specialize containers	Property Management
Provide Kitting support for customer hardware	Asset tracking of customer hardware

Provide Logistics Launch Site Services to ISS Missions and other customers at KSC.