

**Exploration Systems Directorate Decision Memorandum**  
**Transfer of Space Shuttle Main Engine Property from KSC to SSC**  
**September 7, 2011**

**SUMMARY:** On March 31, 2011, representatives from the Kennedy Space Center (KSC) briefed the Transition Control Board (TCB) on an early turnover of Orbiter Processing Facility 3 (OPF3), the Payload Control Center (PCC), and the Space Shuttle Main Engine Facility (SSMEF) from the Space Shuttle program to KSC. KSC would facilitate a lease of these facilities to Space Florida, who represented a commercial space entity that wanted long-term access to these facilities in support of operations at KSC. This would include moving SSMEs and associated ground support equipment (GSE) from KSC to the Stennis Space Center (SSC) to allow for future use of this property by the Space Launch System (SLS) program. After the Space Shuttle Program (SSP) concurred that this early transfer would not impact the timeline for processing the Orbiters for transfer to their museums, the TCB approved the early transfer. However, the TCB received information that the potential cost avoidances to SSP from early release of the SSMEF might be significantly less than the costs of early transfer of property SSME property out of the SSMEF to SSC. The TCB directed, before the SSME and GSE were transferred out of the SSMEF to SSC, that SLS develop a business case for this transfer, including costs, SLS program approval to accept transfer of property from SSP, and timetables.

**DECISIONS:** Based on information received in response to the March 2011 TCB, the Program Director (PD) for Exploration Systems Development (ESD) has approved the following:

- The line items of personal property associated with the SSMEs and associated GSE located in the SSMEF at KSC are to be transferred from SSP to SLS.
- The SSMEs and GSE located in the SSMEF at KSC are to be physically transferred from KSC to SSC for future use in SLS.
- SLS will seek the most efficient means of transferring property from KSC to SSC. This may include, at the discretion of the SLS Program and Space Shuttle Program T&R managers, use of the External Tank (ET) barge, which as of August 30, 2011 was docked at KSC and under current SSP transition and retirement (T&R) plans is to be moved to SSC for disposition, if doing so can be done without undue negative impacts to SSP, SLS, or the Center property disposition officers (PDO).
- All transfers from KSC to SSC must be complete by May 2012.

**ACTIONS:** KSC and SLS will report to the ESD PD on the costs and schedule for moving property from KSC to SSC prior to the start of the movement of that property. This will include:

- The total cost for moving the property referenced in this decision memorandum, including the costs for activities being executed by United Space Alliance (USA) under the Space Program Operations Contract (SPOC, which were being negotiated as of August 30, 2011);
- The cost avoidance to T&R from early release of OPF3, the PCC, and the SSMEF;
- Whether the ET barge will be used for transport, along with confirmation from SSP T&R and the relevant Center PDOs that this use will not adversely effect execution of SSP T&R, and;
- Where the property being stored at SSC after it is moved from KSC.

**Exploration Systems Directorate Decision Memorandum**  
**Transfer of Space Shuttle Main Engine Property from KSC to SSC**  
**September 7, 2011**

**Approval**



---

Dan Dumbacher  
Program Director, Exploration Systems Division



---

Date