

**STATEMENT OF WORK
FOR THE
MITIGATION OF HISTORIC SPACE SHUTTLE MATE/DEMATE DEVICE
LOCATED NATIONAL AERONAUTICS AND SPACE AGENCY, DRYDEN FLIGHT
RESEARCH CENTER, EDWARDS, CALIFORNIA**

Description of Tasks

TASK 1: HISTORIC MITIGATION SUPPORT

This Scope of Work pertains to consultation and mitigation support to be provided to the Dryden Flight Research Center (DFRC), Edwards, California in association with undertakings associated with the Space Shuttle Mate/Demate Device (MDD).

TRAVEL SUPPORT: One week of on-site work at DFRC in support of reviewing existing documentation, photographs and negatives.

DELIVERABLES: The contractor will provide two copies of the following in hard copy and one copy in electronic format:

1. Electronic copy of the work product should be in the format of the Microsoft Office tool used such as Word, Excel, and PowerPoint. Images can be furnished in JPEG. Searchable PDF files can be used.
2. Electronic copies should be furnished on CD-R or DVD-R.
3. Document software should be capable of being read in Windows 2007 Software (updated to meet DFRC site standards).
4. Written history and descriptions of the facilities identified above, and their use in a manner consistent with the Historic American Building Survey/Historic American Engineering Records Level II standards of the Secretary of the Interior's Standards and Guidelines for Historic Documentation (48 FR 44728-30).
5. Completed California Master Site File Historic Structure forms.
6. Photography to be delivered is outlined in Part 2, below.

The Contractor will review existing as-built drawings, photographs, graphic illustrations and other related material to augment the written histories and photographs in order to adequately explicate and illustrate what is significant about the historic site and resources being documented.

Part 1: Drawings:

Contractor will work with NASA's on-site contractor to review and obtain copies of as-built drawings or other drawings of the MDD. No new drawings are needed.

DFRC will provide a Center Site Map showing location of MDD and an area map showing location of DFRC.

Part 2: Photography:

Contractor will work with DFRC's on-site Photo Laboratory to review existing negatives and photographs. The uniqueness of the MDD was due to the past role of assembling the Shuttle-Carrying Aircraft (SCA) Boeing 747 and orbiter for return flight to Kennedy Space Center.

The Contractor shall compile a review of existing photographs of the MDD that show its use/operation in support of the Space Shuttle Program (SSP) with accompanying contact sheets on archival paper. A minimum of 50 photographs is required. NASA DFRC Print and Photo Laboratory will be provided negatives and photographs of the MDD for reproduction.

An on-site contractor will provide NASA DFRC with time lapse video of 747/Space Shuttle assembly operations on a DVD that will be available for use during the contract.

NOTE: The CA State Historic Preservation Office (SHPO) has been informed that all assets made specifically for the SSP are governed by International Traffic in Arms Regulations (ITAR) 22 CFR, Part 121 (ITAR). Therefore CA SHPO has made a commitment not to release technical drawings (as-built drawings or photographs or reproduction of those drawings) to any public repository.

Part 3: Written Historical and Descriptive Data:

Contractor shall provide narrative outlining the history and physical description of the structure, its operation and engineering activities in relation to the Shuttle Orbiter assembly and transportation.

The report shall tell the story of how the MDD supported the SSP, including how it was built and operated.

Contractor will review existing documentation that is similar in nature and evaluate their accuracy and applicability to the goals and purposes of the narrative of the MDD, built upon the existing eligibility report (Survey and Evaluation of NASA-owned Historic Facilities and Properties, November, 2007) of how assets were used.

Copies of the draft report will be submitted to DFRC Historic Preservation Officer (HPO) electronically and in hard copy for review. The selected Contractor will provide 5 copies of the final report to NASA. The report to the CA SHPO will include copies of existing videos demonstrating the MDD during the period of significance.

Digital photographs can be used as visual attachment to the written report.

POINTS-OF-CONTACT:

Dan Morgan, HPO – 661.276.3976

Dara English – 661.276.3863

DUE DATES:

1. All photo and written documentation for the MDD is required to be complete by June 1, 2011 to allow for disposition this fiscal year.
2. Final reports, meeting SHPO requirements, are due no later than July 1, 2011.