

Manned Mars System Study (MMSS): Mars transportation and facility study. Volume 1: Executive Summary

NTRS Full-Text: [Click to View](#) [PDF Size: 1.7 MB]

Abstract: The purpose of the study was to design and analyze systems for conducting human missions to Mars and the moon, with special emphasis on the transportation and facility infrastructure. This study was conducted by Martin Marietta Astronautics Group, with an important teaming role by Science Applications International Corporation (SAIC). This work included the studies and separate reports of the FY-1988 and 1989 case studies as well as special analyses and parametric studies.

Publication Date: Jul 01, 1990

Document ID: 19930003254

(Acquired Dec 28, 1995)

Accession Number: 93N12442

Subject Category: SPACECRAFT DESIGN, TESTING AND PERFORMANCE

Report/Patent Number: NASA-CR-184473, NAS 1.26:184473, MCR-90-537-VOL-1

Coverage: Final Report

Document Type: Technical Report

Publisher Information: United States

Contract/Grant/Task Num: NAS8-37126

Financial Sponsor: NASA; United States

Organization Source: Martin Marietta Space Systems, Inc.; Astronautics Group.;
Denver, CO, United States

Description: 29p; In English

Distribution Limits: Unclassified; Publicly available; Unlimited

Rights: No Copyright

NASA Terms: LUNAR EXPLORATION; MANNED MARS MISSIONS;
MANNED SPACECRAFT; MISSION PLANNING; SPACE
TRANSPORTATION; SPACECRAFT CONFIGURATIONS;
AEROBRAKING; ARTIFICIAL GRAVITY; CASE HISTORIES;
LUNAR ROVING VEHICLES; ROVING VEHICLES; SPACE
HABITATS; TETHERED SATELLITES