

HUMAN SPACE ENDEAVOURS SYMPOSIUM (B3)
How Can We Best Apply Our Experience to Future Human Missions? (2)

Author: Mr. Mingsheng Bai
Institute of Manned Space System Engineering, CAST, China, victs@163.com

Mr. Yu He
China, buaasw@163.com
Mr. Yao Zeng
China, herbert.von.lee@gmail.com

INNOVATION AND UTILIZATION OF THE TIANGONG-1 TARGET VEHICLE

Abstract

Function analysis for Tiangong-1 Target Vehicle was carried out based on mission requirements for China's first rendezvous and docking task. Several innovation on design and management different from traditional developing method for spacecraft were put into practice in Tiangong-1 due to its special demands and validated successfully in the rendezvous and docking task of Tiangong-1 and the Shenzhou-8 spaceship. Its experience can be utilized in further manned space missions such as the manned space station.