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HUMAN SPACE ENDEAVOURS SYMPOSIUM (B3)
Overview Session (Present and Near-Term Human Space Flight Programmes) (1)

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KEYNOTE: OUTLOOK FOR CHINA HUMAN SPACEFLIGHT ENGINEERING DEVELOPMENT

Abstract

With the successful accomplishment of the automated and manual space rendezvous and docking missions by "Tiangong-1", "Shenzhou-8" and "Shenzhou-9", China has mastered the RVD technique; meanwhile the successful operation in orbit of Tiangong-1 for nearly two years also lays the foundation for the construction of future space laboratories and space station. These achievements indicate China has the ability to further establish the long-termed space station in large in China Three-step development strategy.

This paper presents the outlook for China human spaceflight engineering development. Firstly the future expectations of China human spaceflight engineering are shown with the development of China Space Lab and Space Station. Secondly, the preliminary configuration of the space station are introduced, and the functions of these components are overviewed including the core module, the experiment module I and the experiment module II, "Shenzhou" manned spacecraft and China cargo spacecraft. Meanwhile the combination procedure and operation mode are presented. Finally the international cooperation in human spaceflight is expected to promote progress in mankind's space enterprise on the basis of equality and mutual benefit, peaceful utilization and common development.