Human Exploration of Mars: Design Reference Architecture 5.0

By National Aeronautics and Space Administration

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 98 pages. Dimensions: 11.0in. x 8.5in. x 0.2in.The NASA Authorization Act of 2005 articulated a new strategy for the nations space program by specifically stating that The Administrator shall establish a program to develop a sustained human presence on the Moon, including a robust precursor program, to promote exploration, science, commerce, and United States preeminence in space, and as a stepping-stone to future exploration of Mars and other destinations. This vision calls for a progressive expansion of human capabilities beyond low-Earth orbit (LEO), seeking to answer profound scientific and philosophical questions while responding to discoveries along the way. In addition, the strategy calls for developing the revolutionary new technologies and capabilities that are required for the future human exploration of the solar system. This strategy represents a bold new step. In January 2004, NASA established the Exploration Systems Mission Directorate (ESMD) to lead the development of new exploration systems to accomplish the task of implementing the strategy. To determine the best exploration architecture and strategy to implement these many changes, the Exploration Systems Architecture Study (ESAS) was conducted in 2005. This study provided the top-level...

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