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HANDBOOK OF COST ENGINEERING FOR SPACE TRANSPORTATION SYSTEMS

(Revision 2)

WITH

TRANSCOST 7.2

Statistical-Analytical Model for
Cost Estimation and Economical
Optimization of Launch Vehicles

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Foreword

The continued demand for the Handbook and the *TRANSCOST*- Model encouraged me to perform a complete revision of the document (Rev.2) with an update to the 2006/2007 standard.

The development cost CERs have been renewed and adapted according to new or improved reference values. Therefore, the actual TransCost Model has got the designation Version 7.2. Many figures in the report have been improved and new ones added. It seems that the TransCost Model (Versions 6 and 7) with more than 380 copies worldwide (copies of Russian and Chinese translations not counted) is the most widely used tool for cost estimation and cost engineering in the space transportation area.

This new Version of the „Handbook of Cost Engineering“ is the result of a development process of more than 35 years. The initial *TRANSCOST*- Model, Version 1, was published in 1971 (ref. 1). By the year 2000 the Model was improved in several steps to Version 7. In the same year the cost model document has been supplemented and augmented to the HANDBOOK OF COST ENGINEERING. It probably represents the world's most complete document on launch vehicles' cost analysis. The material and data base of this book now covers a period of not less than 47 years: from 1960 to 2006.

The author expresses his thanks to all those who supported this work and hopes that the Handbook will contribute to the development of future more cost-efficient space transportation systems.

Dietrich E. KOELLE
April 2007



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