

Recommended Practice

Recommended Practice for Mass Properties Control for Satellites, Missiles, and Launch Vehicles

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Recommended Practice for Mass Properties Control for Satellites, Missiles and Launch Vehicles

Sponsored by

American Institute of Aeronautics and Astronautics

In cooperation with

Society of Allied Weight Engineers

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Abstract

This Recommended Practice provides a methodology for the management of the growth of mass properties during the development of aerospace flight vehicles. It is particularly applicable to missiles, satellites, and launch vehicles. The standardized methodology is consistent with former Mil-Std 1811 and is based on planning, controlling, and reporting at each stage of product or system development.

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Foreword

This Recommended Practice for Mass Properties Control of Satellites, Missiles and Launch Vehicles is sponsored by the American Institute of Aeronautics and Astronautics (AIAA) as part of its Standards Program.

This recommended practice is produced by the AIAA Design Engineering Committee on Standards in concert with the Society of Allied Weight Engineers, Inc (SAWE). The purpose is to provide a comprehensive methodology for mass properties control through the multiple phases of hardware development. It serves to link existing mass properties documentation between the AIAA, SAWE and United States Government, and to amplify those areas of mass properties control which may need clarification for good engineering practice. This document supersedes the former AIAA document, "Estimating and Budgeting Weight and Power Contingencies for Spacecraft Systems" (ANSI/AIAA G-020-1992).

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Certain Recommended Practices published by the Society of Allied Weight Engineers are referenced in this standard. The SAWE documents may be obtained from the Society. The postal address is:

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