AIAA Manuscript Review Process

This description of AIAA manuscript review procedures is given so that authors, reviewers, and readers will better understand the paper selection and publication process. The first step in manuscript evaluation is an examination by the Editor-in-Chief of papers submitted to the journal. The Editor-in-Chief first tests the manuscript for the several criteria of subject scope, archival editorial style, apparent technical validity, topical importance, timeliness, relationship to prior publication, conciseness, appropriate references, and length. Precise requirements are given on the inside back cover of each journal issue.

Formal Review

If it passes these first tests, the paper is sent to that journal's Associate Editor with the most direct knowledge of the subject matter and of expert reviewers in the field. The Associate Editor then evaluates the paper according to the same criteria and, in most cases, has the paper sent to two or more reviewers in the field for confidential review. The review report form, reproduced here, is designed both to encourage the reviewer's objectivity and to ensure the thoroughness of his or her evaluation.

Considerable significance is attached to the review reports. Each reviewer is asked to judge the technical validity of the manuscript and the extent of its advance beyond work previously published. The reviewer is asked also for advice as to whether the paper merits publication in an archive journal. However, the decision to publish, to require major revision before publication, or to reject for reasons cited lies first with the Associate Editor and ultimately with the Editor-in-Chief.

It takes a minimum of several months (at least three) after receipt of the manuscript to accomplish the evaluation and review steps discussed above.

Revision or Rebuttal

The next step is up to the author. If the paper has been rejected or if extensive revisions have been requested which the author believes are incorrect or unwarranted, he or she is entitled to submit a point-by-point rebuttal to the Editor's statement of reasons and the reviewers' comments. The rebuttal then is analyzed by the Editors, and a final decision is made, although there may be a need for an additional review cycle. Authors who revise their papers must make an effort to do so within the stated time period.

A reviewer who feels strongly that a particular paper should not be published may choose to write his or her criticism as a Technical Comment. The author then will be allowed to write a closing response for publication in the same issue as the Comment.

Formal acceptance will not occur until the author has complied with all of the revision requests (if any) made by the Associate Editor and has prepared the paper in AIAA archival style. (Or the Associate Editor may accept the author's rebuttal, as described above.)

Acceptance and Publication

When a paper is formally accepted, it will be scheduled for publication in a forthcoming issue, and the author will be so informed. Depending upon the number of papers awaiting publication and projected size of issues, this may require that papers be scheduled several issues ahead. When feasible, papers will be published in the order of their original receipt.

Galley proofs will be sent to authors for correction and release approximately two months prior to publication. At that time, authors will be told for which issue their papers are tentatively scheduled. In order to allow for late or nonreturn of galleys by authors and to provide the flexibility to meet issue-length and topic-mix constraints, issues will be overscheduled by about 25%. Thus, there will always be a certain number of papers held over for the next issue. All authors and co-authors receive a complimentary copy of the issue in which their papers appear.

AIAA

American Institute of Aeronautics and Astronautics

Confidential Review Report

Guidelines for Review Comments

Length
The paper/synoptic needs . . . . % reduction. Concise presentation is important in any case. Please indicate what material can be deleted, shortened, or covered by a readily available reference.

Title
Precise, informative, less than twelve words.

Abstract
Proper and *specific summary* of objectives, contents, major results, and conclusions; 100 to 200 words.

Introduction
Adequate discussion of need and purpose of the work and its relation to prior work.

Content
Adequate definition of assumptions, inputs, references, test conditions, etc., so that information presented is *useful.*

Figures
Readily understandable and useful as data or for design. Please point out unnecessary figures, especially photographs, that can be deleted, as well as any errors or deficiencies.

References
Adequate (see *Introduction* and *Content*) and accurate.

Synoptic
A 2-page extract from the full-length article of the *key results* in a form useful for direct application by the reader.

Journal Scopes
AIAA JOURNAL: Original papers which disclose new technical knowledge and exploratory developments based on new knowledge.

JOURNAL OF AIRCRAFT, JOURNAL OF GUIDANCE, CONTROL, AND DYNAMICS, JOURNAL OF PROPULSION AND POWER, JOURNAL OF SPACECRAFT AND ROCKETS, and JOURNAL OF THERMOPHYSICS AND HEAT TRANSFER: Original papers which reveal significant applications of existing technical knowledge in the fields of aircraft (of aeronautics); guidance, dynamics and control; propulsion and power; spacecraft (or astronautics); and thermophysics and heat transfer, respectively.

AEROSPACE AMERICA: Papers of general interest and current importance to the entire membership.

Confidential Report Policy

Do not sign the Report, since it is the policy of the Institute to maintain the anonymity of the reviewer unless he has a specific reason for making himself known to the author.

Please return the original Review Report, signed letter, and manuscript to the Associate Editor (large manuscript envelope enclosed).

Author(s):

Title:

Log No.:
Date Logged:

Assigned to (journal):

Date Sent: _____ Date Due: _____ Date Returned: _____

Comments

The Editors particularly desire your specific comments on technical content, overall value, relevancy, and revisions needed for conciseness, clarity, and/or completeness. Guidelines are given on the reverse side. Please start your comments here and add sheets as necessary.

Please rate the paper/synoptic here:

	Excellent	Good	Fair	Poor
Technical Content				
Importance to Field				
Conciseness				
Style & Clarity				
Completeness*				

*Please note any major deficiency above or on another sheet.

Recommendation

Publish: ☐ Full paper ☐ Note ☐ Synoptic ☐ Othe

Publish after major revision*.....

Decline to publish.....
(state reasons above or on added sheet)

Refer to**.....
(other journal)

*Would you be willing to review the revised manuscript the technical editor feels it is necessary? YES ☐ NO ☐

**A different AIAA journal (see scope, reverse side) other journal.