

CALL FOR PAPERS

AIAA TRANSPORT AIRCRAFT DESIGN AND OPERATIONS MEETING

AUGUST 10-12, 1964 (APPROXIMATE)

SEATTLE, WASH.

The objectives of this meeting are 1) to review the aeronautical technologies available and their application for the design and operation of transport aircraft; 2) to review operational requirements and practices of the operations and their implications on supporting services, i.e., airports, traffic, communications, maintenance bases, and on the public; 3) to promote the integration of research and development with operational maintainability aspects; and 4) to examine future requirements and related needed technological advances.

It is planned that the papers presented will cover all classes of transport aircraft from subsonic through supersonic to hypersonic and will highlight particularly the needs of the designers and the operators for research and development in the topic areas listed below.

It is expected that 18 unclassified sessions will be required to present adequately the significant technical information pertinent to the objectives of the meeting.

Interested contributors should submit 500 to 1000 word abstracts, in *triplicate*, to the appropriate session organizer listed below by *January 6, 1964*. Abstracts should include the following data: 1) a concise statement of the problem (and possibly its genesis) or objective covered; 2) an indication of the scope and methods of approach coupled with a statement of what the author considers to be new or a contribution of the art; 3) a summary of important conclusions with a statement as to whether the material is new or whether similar results have been, or may be, published or presented elsewhere (all papers presented at AIAA meetings will be considered for publication by AIAA; prior publication rights are accordingly reserved; papers published previously in AIAA publications or elsewhere are not eligible for presentation at AIAA meetings); 4) a brief statement of the data used to substantiate the conclusions and free-hand sketches of major figures to be used; 5) author's name, title, company affiliation, and address, including department or section; and 6) a complete title of proposed paper. Papers will be accepted tentatively or rejected on the basis of the abstract. Final acceptance will be based on a review of the first draft manuscript, which will be due March 23, 1964.

TOPIC AREAS (Subsonic, Supersonic, Hypersonic)

TECHNOLOGIES

Aerodynamics

Richard Heppe
Chief, Advanced Systems Research Engineer
Lockheed Aircraft Corp.
2555 N. Hollywood Way
Burbank, Calif.

Structures

Melcon A. Melcon Dept. Mgr. Structural Methods
Lockheed-California Co.
Dept. 7225
P.O. Box 551
Burbank, Calif.

Propulsion

Walter Swan
Unit Chief, Research and Development
The Boeing Co.
Airplane Div.
Renton, Wash.

Airborne Systems (Electronic and Mechanical)

J. Lane Ware
Director, Commercial Avionics Products
ITT Federal Laboratories
390 Washington Ave.
Nutley 10, N. J.

VEHICLE DESIGN

Cargo Transports

Military Transports

Charles Strang
Department Director, Engineering Aircraft Div.
Douglas Aircraft Co., Inc.
3855 Lakewood Blvd.
Long Beach, Calif.

Long-Range Transports

William Hamilton
Chief, Flight, Technology Department
The Boeing Co.
Seattle, Wash.

Medium-Range Transports

Local Service Transports

F. E. Titus
Superintendent, Airplane Performance

United Air Lines, Inc.
P.O. Box 8800
Chicago 66, Ill.

V/STOL Transports

N. W. Tillinghast
Chief Project Engineer
Advanced VTOL
Chance Vought Corp.
P.O. Box 5907
Dallas 22, Texas

OPERATIONS AND ECONOMICS

Reliability, Maintainability, Ground Support

Paul Hartline
Manager, Maintenance Engineering
Trans World Airlines, Inc.
1-410 Mid Continent International Airport
Kansas City, Mo.

Performance and Procedures

George McClain
Director of Flight Performance
American Airlines Inc.
LaGuardia Airport Station
Flushing, N. Y.

Noise

A. C. Pietrasanta
Vice President
Bolt, Beranek and Newman
8221 Melrose Ave.
Los Angeles, Calif.

Advanced All Weather Air Traffic Control

Fred Pogist
Section Head, Department of Aviation Systems Research
Airborne Instruments Laboratory
Comac Road
Deer Park, N. Y.

Airport Considerations

Arthur Shargois
FAA Eastern Region Office
Federal Building
International Airport
Idlewild, N. Y.

The Meeting Co-Chairmen are:

R. Dixon Speas, R. Dixon Speas Associates

Maynard L. Pennell, The Boeing Co.