

S A E  
AERONAUTICAL INFORMATION

REPORT

NO. 32A

COCKPIT VISIBILITY  
FOR  
COMMERCIAL TRANSPORT AIRCRAFT



① INACTIVE FOR NEW DESIGN OF CIVIL TYPE TRANSPORTS,  
EFFECTIVE JUNE 1, 1960, SEE ARP 580

JUNE 15, 1960

PREPARED BY

Committee S-7, Cockpit Standardization

SOCIETY OF AUTOMOTIVE ENGINEERS, INC.  
485 Lexington Avenue, New York 17, N. Y.

SAENORM.COM : Click to view the full PDF of air32a

Section 8.3 of the SAE Technical Board rules provides that: "All technical reports, including standards approved and practices recommended, are advisory only. Their use by anyone engaged in industry or trade is entirely voluntary. There is no agreement to adhere to any SAE standard or recommended practice, and no commitment to conform to or be guided by any technical report. In formulating and approving technical reports, the Board and its Committees will not investigate or consider patents which may apply to the subject matter. Prospective users of the report are responsible for protecting themselves against liability for infringement of patents."

# COCKPIT VISIBILITY FOR COMMERCIAL TRANSPORT AIRCRAFT

## INTRODUCTION

This report is intended to encourage more effort to be directed toward improving the pilot's visibility from the cockpit of transport type aircraft with the ultimate objective of improving safety.

In the preparation of this Aeronautical Information Report, consideration was given to pilot surveys made by the Civil Aeronautics Administration, studies made by manufacturers, and a review of the cockpit visibility provided in present day transport aircraft.

It is recognized that a rigid specification is undesirable and may restrict development and utilization of initiative. For this reason the report is in general terms and offered as a guide.

SOCIETY OF AUTOMOTIVE ENGINEERS, Inc.

Committee S-7, Cockpit Standardization

M. G. Beard, Chairman  
American Airlines System  
Capt. Scott Flower, Vice-Chairman  
Pan American World Airways

Glenn H. Brink  
American Airlines System

M. B. Cahill  
Northwest Airlines, Inc.

C. M. Christenson  
United Air Lines, Inc.

F. E. Davis  
Eastern Air Lines, Inc.

John B. Fornasero  
Boeing Airplane Co.

Bert Foulds  
Douglas Aircraft Co., Inc.

O. R. Hauter  
Continental Air Lines

J. B. LeClaire  
Transcontinental & Western Air

R. L. Thoren  
Lockheed Aircraft Corp.

O. E. Tibbs  
Glenn L. Martin Co.

APPROVED BY SAE AERONAUTICS COMMITTEE

W. C. Lawrence, Chairman  
American Airlines

W. B. Bergen  
Glenn L. Martin Co.

D. M. McGrath  
Bendix Aviation Corp.

G. W. Brady  
Curtiss-Wright Corp.

C. E. Mines  
Allison Div. - GMC

John C. Buckwalter  
Douglas Aircraft Co.

Arthur Nutt  
Bridgeport-Lycoming

J. B. Johnson  
USAF Air Development Center

C. L. Sadler  
Sundstrand Machine Tool Co.

R. D. Kelly  
United Air Lines, Inc.

A. E. Smith  
Pratt & Whitney Aircraft

SAENORM.COM : Click to view the full PDF of air32a