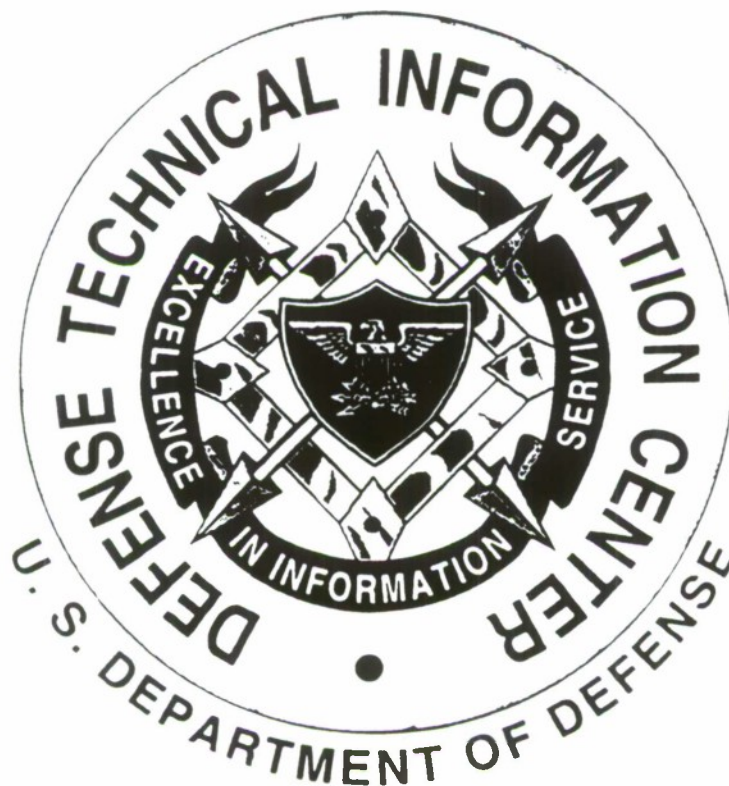


UNCLASSIFIED

DEFENSE TECHNICAL INFORMATION CENTER



20090501 133

DEFENSE INFORMATION SYSTEMS AGENCY
DEFENSE TECHNICAL INFORMATION CENTER
8725 JOHN J. KINGMAN ROAD
SUITE 0944
FT. BELVOIR, VA 22060-6

AD-689776

PROJECT REPORT

HELICOPTER
ENROUTE
IFR

Project No.
65-920-6
(Enroute)

Prepared by:

Allan W. Hunting

Frank Parr

January, 1968

Distribution of this document is unlimited. This document does not necessarily reflect Federal Aviation Administration policy in all respects and it does not, in itself, constitute a standard, specification, or regulation.

Flight Standards Service
National Flight Inspection Division
Washington, D. C.

922689

PROJECT REPORT
Project No.
65-920-6
(Enroute)

HELICOPTER ENROUTE IFR

D O C
RECEIVED
JUL 14 1969
RECEIVED
B



Not to be used for reproduction and sale: its
use is restricted

January, 1968

A B S T R A C T

An evaluation of Los Angeles Airways, Inc., pilots flying selected VOR routes was conducted under simulated IFR operation to assess the vertical and lateral flight technical error. Radar flight track tracings and movie film were used to collect data. A statistical analysis of the data shows that stabilized helicopters may be safely operated IFR within $25\frac{1}{2}$ miles of a VOR station when at least 500 feet of obstruction clearance is provided in the area two nautical miles on each side of the radial providing course guidance with reduced obstruction clearance beyond 2 NM to a maximum lateral distance of 3 NM.



C O N T E N T S

	Page
Abstract	11
Introduction	v
I Statement of the Problem	1
II Test Objectives	2
III Test Methods	3
IV Data Acquisition	5
V Data Analysis and Reduction	7
VI Conclusions and Recommendations	14
VII Appendix	17



BLANK PAGE

UNCLASSIFIED

UNCLASSIFIED