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DEVELOPMENT AND NORMING OF READING TESTS  
FOR AIR FORCE USE

By

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## Block 20 (continued)

A previous study on service applicants found considerably divergent reading grade levels (RGL) from different commercial tests for subjects of the same Armed Services Vocational Aptitude Battery (ASVAB) ability level. In addition to varying norms, the use of commercial tests has several other drawbacks, including high testing material costs and RGL norms of unknown appropriateness for military personnel. The goal of this effort was to develop reading tests with appropriate norms. Samples of airmen were experimentally administered several reading tests, including one or two forms of the AFRAT. After data editing, analyses were done to determine the equivalence of the AFRAT forms, their relationships to other tests, AFRAT raw score to RGL equivalents, and training grade validity of AFRAT item types.

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This report has been reviewed and is approved for publication.

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## PREFACE

This study was completed under Task 771918, Selection and Classification Technologies, which is part of a larger effort in Force Acquisition and Distribution. It was subsumed under work unit number 77191808, "Reading-related Problems in the Air Force." This work unit was established in response to Request for Personnel Research (RPR 76-25) submitted by the Air Force Manpower and Personnel Center (AFMPC/MPCYP)--Maj John Welsh, Requirements Manager--entitled "Development, Validation, and Standardization of a Reading Ability Test for Air Force Personnel."

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