

INTRODUCTION

This report presents the proceedings of the seventh in a series of meetings sponsored by the Federal Aviation Administration (FAA). These meetings address issues of human factors in aviation maintenance and inspection. This two-day meeting, in August 1992, directed attention to "Science, Technology, and Management." This triad was addressed by eighteen speakers from industry, government, the Department of Defense, and academia. Many of the presentations served as a review of the Human Factors in Aviation Maintenance research program.

The Office of Aviation Medicine Human Factors in Aviation Maintenance research program has responded to many of the topics in the National Plan for Aviation Human Factors. The National Plan combines issues of science and technology with a management plan to define approaches to a broad range of human factors issues in aviation. The OAM's responses are presented herein. The responses address topics related to work environments, tools, procedures, training, documentation, and innovative maintenance management practices. The Aviation Medicine research is complimented by presentations from airline, manufacturers and Department of Defense personnel.