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Microwave Landing System (MLS) Implementation (Volume II)

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F O R E W O R D

These Appendices are the Reports of Informal Working Groups which were assigned responsibility to investigate and report on specific aspects of MLS Implementation which might be helpful to the Committee in forming its recommendations. As such they represent the findings of experts who conducted intensive investigation into their assigned subject areas. The Committee as a whole accepted the Informal Group Reports for inclusion as Appendices in the Final Report; however, it should be understood that such acceptance did not constitute full agreement with those Reports.

MLS IMPLEMENTATION

VOLUME TWO

(SC-125 Informal Group Reports)

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APPENDIX A

D A T A B A S E

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D A T A B A S E

1. INTRODUCTION

A data base and computer model are helpful in the evaluation of alternative MLS deployment strategies and estimating the probable rates of user equippage.

Need for Evaluation Technique. - In determining how MLS or any major system should be implemented, it is necessary to consider a broad range of approaches and schedule possibilities to ensure arriving at the most appropriate plan. The great amount of data and number of calculations required for evaluating alternative MLS implementation strategies mandates a computer-based methodology and model.

Essential Data Elements. - The essential data elements influencing MLS implementation are:

- Transition Period Length.
- Ground costs.
- Avionics costs.
- Payoffs/Benefits.
- Equippage rate (ground and air).
- Decision on length of joint ILS/MLS operation.