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DESIGN REQUIREMENTS FOR AEROPLANES *for the* ROYAL AIR FORCE

This handbook is issued for the information and guidance of all concerned.

By Command of the Air Council

C. G. Bullock

AIR MINISTRY

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INTRODUCTION—SCOPE OF HANDBOOK AND ARRANGEMENT**1. Scope of the handbook**

The requirements given in this handbook apply to all aeroplanes built to Air Ministry contract. The handbook is intended to amplify the requirements given in aeroplane specifications. In the event of any conflict between the requirements of an aeroplane specification and those of this handbook, the requirements given in the aeroplane specification take precedence.

2. Arrangement

- (i) All requirements affecting the airframe are collected into three chapters.—
Chapter II, Strength requirements based on flight conditions,
Chapter III, Strength requirements based on other than flight conditions,
Chapter IV, Non-factor requirements.

Chapters V to VIII inclusive of the handbook consist of methods of calculation and other details needed for the precise interpretation of the requirements of Chapters II, III and IV.

(ii) The non-factor requirements of Chapter IV comprise such items as flutter prevention, welding regulations, etc. They are characterized by the fact that they do not admit of specification in terms of a factor.

(iii) Chapter IX consists of airscrew requirements.

3.

Reference to any particular portion of the handbook should be made by quoting the chapter (Section for Chapters V, VIII and IX), paragraph and line number.

4. Indications of amendments

At the top of each page affected by amendment action will be found the number of the Amendment List concerned. A black line printed on the left-hand side of the text or illustrations indicates that the matter against the line has been amended or added by the Amendment List quoted. This indication on any particular page will appear only against the matter on that page affected by that Amendment List.

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