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COVER 2

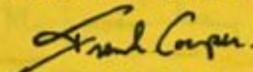
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SECTION 10

CHAPTERS 1 - 8

VULCAN B Mk.2 AIRCRAFT
AIRCRAFT SERVICING MANUAL
E.W. INSTALLATIONS

BY COMMAND OF THE DEFENCE COUNCIL



Ministry of Defence

Sponsored for use in the

ROYAL AIR FORCE by D AIR ENG (RAF)

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Service users should send their comments through

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AMENDMENT RECORD SHEET

Incorporation of an Amendment List in this publication is to be recorded by signing
in the appropriate column and inserting the date of making the amendments

A.L. No.	Amended by	Date
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**RADIO FREQUENCY RADIATION HAZARDS –
PRECAUTIONARY MEASURES**

Airborne equipment

- (1) When servicing the higher-powered radio transmitters operating on centimetric and shorter wavelengths, personnel are to avoid subjecting themselves, or others in the vicinity to the sustained (non-scanning) output of focussing aerials such as paraboloids and similar dish forms, honeycomb lenses, and, in particular, power-carrying waveguides whether fitted with terminating radiators or not. Care is also to be taken to avoid exposure of parts of the body such as eyes and fingers to the RF leakage from joints in RF waveguides carrying high power.
- (2) The precautions stated in (1) above apply to all modern primary radar and transmitter installations operating on centimetric or shorter wavelengths.
- (3) When servicing high power communicators and transmitters operating on longer than centimetric wavelengths, personnel are to avoid placing any part of their bodies in the dielectric field region, i.e. the intense RF field in close proximity to the radiating aerials.

General Precautions

It is essential that personnel do not make detailed examination of the radiator, reflector, waveguide opening or horn of any radar equipment, irrespective of power output, during periods of transmission.

RADIOACTIVE SOURCE 912Z/21

The handling of Radioactive Sources to be in accordance with A.P.110A-0601-1 Leaflet F1. The introduction of a Radioactive source into a servicing area is to be confined to 'immediately prior to use'.

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