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B.R.333(1) VOL.1
SUMMARIES OF DATA
OF RADIO EQUIPMENT
(Ships and shore stations)
(Supersedes BR333(1) dated 1950)

BY COMMAND OF THE DEFENCE COUNCIL

OCTOBER 1971

MINISTRY OF DEFENCE
DIRECTOR GENERAL WEAPONS (NAVAL)
(N/W 63718/71)
RESTRICTED
Any suggestions for amendments or additions to this book should be submitted to the Director General, Weapons (Naval) through the usual channels for onward transmission to DWRDS.
1. The object of this book dated 1971 is to provide a short descriptive Summary of all non Confidential Radio Equipment in current use in ships, and in some cases jointly in shore stations. Equipments solely used ashore are summarised in BR 333(4).

2. The book is one of a series with titles as follows:-

   BR 333(1) Vois. 1 Summaries of Data of Radio Equipment (Ships and Shore Stations).
   BR 333(2)     Concise Details of Radio Equipment (Airborne) Including Naval Air Radio Equipment.
   AP 116A-0102-1 Obsolete.
   BR 333(3)     Summaries of Data of Telecommunication Equipment (Ashore).
   BR 333(4)     

3. Unless required in respect of some obsolescent equipment still in use, the superseded publication BR 333(1) dated 1950 should be destroyed in accordance with local arrangements for the disposal of Classified waste.

4. Additionally, reference may be made to Summaries in the following books:-

   (a) BR 222 The User's Guide to Wireless Equipment.
   (b) BR 1982 Warning Radar User Instructions.

5. Summaries of Data for Common Range Electrical Testing Equipment - CRETE - are given in BR 1781.
SECTION 1

Frequency Standards
Transmitter Types
Drive Units
Power Amplifiers
Responders
Beacons
Satellite Communications

SECTION 2

Receivers

SECTION 3

Automatic Telegraphy

SECTION 4

Direction Finding
Auto Alarms
Recording Outfits
Telemetry

SECTION 5

Aerial Outfits
Common Aerial Outfits
Aerial Exchange Outfits
Aerial Tuning Outfits
Control Outfits
Missile Guidance Outfits
Transmitter Types
SIF Outfits
Transponders
High Accuracy Receivers
Radar Pulse Synchronisation

SECTION 7

Display Outfits
Plotting Systems
True Motion Outfits
Teacher Outfits
Data Distribution
Electronic Marker Outfits

SECTION 8

Aerial Outfits

ANCILLARY EQUIPMENT

SECTION 9
SECTION 1

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Frequency Standard Outfit FSA(1)(2)
Frequency Standard Outfit FSA(4)
Frequency Standard Outfit FSA(3)(5)(6)(7)

Transmitters 5AB/A and 5AB/C Series

Type 86M
Type 89Q
Type 96
Type 601/D
Type 602/E/D/ED

Type 603
Type 603(5)
Type 605/D
Type 609
Type 612/E/F/EF/ET

Type 615
Type 618/H/L
Type 619/H/L (with CAT)
Type 620
Type 622

Type 623
Type 625
Type 629
Type 633
Type 634

Type 635
Type 638
Type 639
Type 640
Type 641 (with CJM) (To be issued later)

Type 643 (with CJP) (To be issued later)
Type 689
Type 691/EF/ET
Type 692
Type 693

Type 696
Transceiver TCS/E/F
Tx/Rx System SSA Series
Drive Outfit TDA
Drive Outfit TDC (with 641)
Amplifier Outfit WBA
Amplifier Outfit WBB
Amplifier Outfit WBC
Selective Calling & Responding Outfit SPA
Skynet V Shipborne Terminal UK/SCC 001
Converter Electronic Frequency Outfits FTA Series
CONTENTS LIST

Receiver Outfit CAS
Receiver Outfit CAT (see Type 619 - Section 1)
Receiver Outfit CDW (CAQ)
Receiver Outfit CDY (CAR)
Receiver Outfit CFA

Receiver Outfit CJA and CJC
Receiver Outfit CJD Series
Receiver Outfit CJK

Receiver Outfit CJM  (To be issued later)
Receiver Outfit CJP(1)(2)  (To be issued later)
Receiver Outfit CUH
Receiver Outfit CUI and CUL
Receiver Outfit QR1/2

Receiver Outfit QS1/2
Receiver Outfit DAS2
Receiver Outfit QM10

Receiver Adaptor Outfit FAZ
SECTION 3

CONTENTS LIST

teleprinter No. 12 Mk. 4

Printing Reperforator PR76R, 5815-99-972-4916

(Radio Teletype) RATT (1)
(Radio Teletype) RATT (2)

RATT Outfit RWA (including RATT (2A))

Terminal, Telegraph Voice Frequency (Tactical) T.T.V.F.(T)
SECTION 4

CONTENTS LIST

HF DF Outfit FH4
HF DF Outfit FH5

DF Outfit FM11/12
DF Outfit FM16
DF Outfit FUI

Radio, Search and DF Outfit UA2
Radio, Search and DF Outfit UA3

Auto Alarm Outfit SQA

Recording Outfit RED(1)/RED(2)
Recording Outfit REH(1)(2)
Recording Outfit REH(3)(4)
Recording Outfit REH(5)
Recording Outfit REJ

Recording Outfit REO (To be issued later)
Recording Outfit REP(1) and (3)

Shipborne Telemetry and Recording Outfit MBA (and Aerial Outfit AJH)

Telemetry Playback Decode and Display Outfit MBN
SECTION 5

CONTENTS LIST

Aerial Outfit ACH
Aerial Outfit AGG

Aerial Outfit AGT
Aerial Outfit AJD

Aerial Outfit AJE(5)
Aerial Outfit AJH (see Telemetry - MBA - Section 4)
Aerial Outfit AJP
Aerial Outfit ALE
Aerial Outfit ALF
Aerial Outfit ALK(2)(3)
Aerial Outfit ALM(1)(2)

Aerial Outfit ALN
Aerial Outfit ALR
(Aerial Outfit ALY
Aerial Outfit ALZ
Aerial Outfit APH
Aerial Outfit AQA

Aerial Outfits AWN and AWO and AWQ
Aerial Outfit AYC
Aerial Outfit AYD
Aerial Outfit AYE
Aerial Outfit AYP

Common Aerial Outfit EAL
Common Aerial Outfit EAM
Common Aerial Outfit EAO(4) (For EA0(1)-(3) see I.C.S.)
Common Aerial Outfit EAT(1)
Common Aerial Outfit EAT(2)
Common Aerial Outfit EAW(1)(2)(3)
Common Aerial Outfit EAW(4)(5)(6)(7)
Common Aerial Outfit EAZ

Aerial Exchange Outfit EY(1) (For I.C.S.1)
Aerial Exchange Outfit EY(2) (For I.C.S.1)
Aerial Exchange Outfits EY Series (2)(4) and (5) (For I.C.S.2)
Aerial Exchange Outfit EZ(4) (For EZ(1)-(3) see I.C.S.)

Receiver Aerial System for I.C.S.

Aerial Tuning Outfits ETA(1) and ETA(2)
Aerial Tuning Outfit ETB
Aerial Tuning Outfit ETC
Aerial Tuning Outfit EDT

Control Outfit KFJ
Control Outfits KH Series KHA/B, KHC/E/F/G
Control Outfit KHH

Control Outfit KHJ

Control Outfit KHK (see Types 619/623 - Section 1) (To be issued later)

Control Outfits KHO(1-6) (To be issued later)
Control Outfit KHO(7) (To be issued later)
Control Outfit KMP (To be issued later)

Missile Guidance and Control Outfit MAA
Aerial Control and Termination Outfits EUA Series
SECTION 1

CONTENTS LIST

Frequency Standard Outfit FSA(1)(2)
Frequency Standard Outfit FSA(4)
Frequency Standard Outfit FSA(3)(5)(6)(7)

Transmitters 5AR/A and 5AR/C Series

Type 86M
Type 89Q
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Type 603(5)
Type 605/D
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Type 643 (with CJP) (To be issued later)
Type 689
Type 691/EF/ET
Type 692
Type 693

Type 696
RESTRICTED

Receiver TCS/E/F
Ex System SSA Series
Drive Outfit TDA
Drive Outfit TDC (with 641) (To be issued later)

Amplifier Outfit WBA
Amplifier Outfit WBB
Amplifier Outfit WDC (To be issued later)

Selective Calling & Responding Outfit SPA

Skynet V Shipborne Terminal UK/SCC 001

Converter Electronic Frequency Outfits FTA Series