

C R O S S R E F E R E N C E L I S T I N G .

C O M P O N E N T U N I T S O F W I R E L E S S A N D R A D A R O U T F I T S U S E D 1 9 3 5 T O 1 9 6 0 .

Introduction.

Many different types of identity were used for individual major assemblies of wireless and radar outfits during this period. Although given in "M651 - NOMENCLATURE OF RADIO EQUIPMENT", specific items of a known identity are not easily traced without checking every page.

These details were prepared for the RN Electrical School Museum and Archives to assist future research work by those not familiar with the various methods used to identify equipment assemblies. The parent equipment is shown for individual items within the categories listed in the Index..

As the design of all radio equipments was the responsibility of the same design authority (HM Signal School) until after 1945 it will be found that similar systems of identification were used for component units of both wireless and radar equipments. Until a standard method was introduced for NATO use in 1948 the descriptions used were far from precise. For example, an item described as a "PANEL" could be used in several quite different applications.

"M651" provides details of all complete sets and outfits including coding used to identify particular function such as VHF Transmitter or Warning Surface radar. "RADAR AT SEA" by Howse also lists all types of radar used during this period. Equipment information is also available in the relevant handbook for each equipment and its associated Establishment List. BR810 Series "RATE BOOK OF NAVAL STORES" uses these identities but does not show parent equipment.

G. B. Mason, Engineer Lieut. Commander (RE), Bristol, 1994.

AL EQUIPMENT COMPONENT ASSEMBLIES

- Aerial Units
- Aerial Units (Non RN Design)
 - Army
 - Air Ministry
- Dipole Assembly
- Control Units
- Dipole Units
- Dipole Units (Non RN Design)
 - Air Ministry
- Dummy Load Units
- Feeder Units
- Frame Coils
- Frame Coils (Commercial Design)
- Pedestal Units
- Remote Matching Units
- Scanning Units
- Switch Units

AMPLIFIERS.

- Amplifier Units

BOARDS (Control or Power Supply)

MIXERS (IFF)

PANELS

POWER SUPPLY EQUIPMENT COMPONENTS

- Rectifier Units
- Power Units (RN Design)
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RADAR DISPLAY COMPONENT UNITS

- Cathode Ray Units
- Display Units
- Display Panels.

RECEIVER EQUIPMENT COMPONENT UNITS

- Receiver Units ("B" and "P" Prefix)
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- Wavemeters.
- Non RN Design
 - Air Ministry
 - US
 - Commercial British
- Complete D/F Equipments (Commercial Design)

TRANSMITTER COMPONENT UNITS

- RN Design Units.
- Oscillators
 - Air Ministry
 - Commercial
- Responser Units.
- Wavemeters.
- Non RN Design
 - Army.
 - Air Ministry
 - USA Military.
 - British Commercial.

Introduction.

This section provides details of the various separate component elements of Aerial Outfits identified in M651 NOMENCLATURE with a three letter group, first letter A (eg AQR for Radar Type 293P. The identity of the parent equipment is shown to facilitate further enquiry.

Both Radar and Communications Aerials Outfits components are included in this Section. These include Pedestal Units for Drive Systems and D/F Frame Coils as well as some miscellaneous items which have a specific identity and may not easily be traced elsewhere.

Identity	Aerial Outfit	Identity	Aerial Outfit
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Aerial Units

Design 4	APU (TBS)	Design 7	AQA (QN)
Design 10	AQC (941)	Design 11	AQD (940, 941)
Design 23	ANT (253 Coastal Craft)	Design 30	AQS (982)
Design 31	AQT (983)	Design 32	AHA (RU1)
Design 33	ANZ (86M, 87M)		

Aerial Units (Non RN Design)

Army	
No Identity	930 (Fall of Shot radar)

Air Ministry	
AM Scanner	970 (RAF H2S)
Type 51	

Dipole Assembly

Design B,	ARG (91S),
Conical	ARJ (91S)
	ARM (QG)

Control Units

None	AUK (277)	None	AUW(2) (276),
			AUR(2)(3) (293)
19U	AQR (293M)	20AK	ATD, ATF (280)
20AX	ATD (79/B/EM, 279/B)	20D	ATE (281)
20E	AUD (272 Series)	20K	APE(1) (262(1))
20N	AQQ (960)	20R	AQS (982), AQT (983)
Design 2 (Table)	AUJ(1) (276),	Design 16	APE(3) (262 (3), 263(1))
	AUR(1) (293)	Design 27	APE(2) (262(2))
Design 40	AQQ, ANA,	Design 43	AUN (961)
	ANB (960/M/P/S)		
Design 45	AQQ, ANA,		
	ANB (960/M/P/S)		

Dipole Units

Design A	ASQ (92 Beacon)	Design AC	ASW (242)
Design AE	AUB, AUD, AUE, AUG, AUH (271/Q 272, 273 Series)	Design AS	AUE (271Q, 271QR)
Design AT	AUG, AUH (273Q, 273R)	Design B	ASQ (92 Beacon)
Design R	AUB, AUD (271/ 272 Series)	Design S	AUB (271 Series)
Design T	AUD (272 Series)	Design BA	ASP (257)
			Ships RACON)
Design EB	ASP (257)	Design 4 (Group)	ASY (257S)
	Ship RACON		Shore RACON)

Identity	Aerial Outfit	Identity	Aerial Outfit
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Dipole Units (Continued)

Design 5 (Group)	ASY (257S) Shore RACON)	Design EF	ARP (QG) S/m Rx
Design 16	ANE (QP)	Design 22	ANC (86M/87M)
Design 24	ANG (TBS)	Design 28	ANY (943 with 277)
Design 58	APP (686)	Design 59	APG (686)
Design 61	AQH (FV1)	Design 62	APW (650 Jammer)
Design 63	APZ (93 Beacon)	Design 64	AQG (651 Jammer)
Design 65	ACK (653 Jammer)	Design 66	ACK (653 Jammer)
Design 69	ACK (653 Jammer)	Design 73	ANN (645X, 645MX)
Design 76	AHD		

Dipole Units (Air Ministry Design)

Type 3	APH (86M, 87M, QD) ARU (87/M)	Type 4	ARU (87, 87M, QD) A/c Carriers ART (87/M - Masthead)
Design 60	APN (970) (H2S Mark III)		

Dummy Load Units

Design 14	ANN (645X, 645MX)
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Feeder Units

Design A	AQG (651 Jammer) ASS (242), ASW (242)	Design 4	AST (253W, 942) 257S - Shore RACON)
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Frame Coils

S12	RC1 (D/F)	S16	FA1, FA2, FA4, FA5 FH3X, FM1
S17	FA1, FA2, FA4, FA6 FC1, FC4, FH3X, FM1 FM2, FM9	S18	FA3, FC2, FC5, FM5
		S19	FM2, FM7 Cruisers & Above FM9, FM10, FM12 FM10, FM12
S21	FM4, FM7 (Leaders & below), FM11 (S/m)	S22	
S25	FH3	S25A	FH4X
S25B	FH3, FH4	S26	RH1
S26A	RH1	S27	FV3
S129	RH2 (Ships)	S130	RH2 (Vans)

Frame Coils (Commercial Design)

"U" Type	AH1 (Shore D/F)	Adcock Type	FV7X
Adcock Frame Coil			
Loop Type	LM1, LM2	Rotating Adcock	RV2

Pedestal Units

Note : Drive element for Radar Aerials, Navigational Beacons or Radar Reflector Units (ROTETS)

19J	ATQ (286P, 286PQ, 290, 291 - Heavy)	19K	ATR (As ATQ - Light)
19AB	ADB (Rotet)	19AC	ADE (Rotet)
19AD	AQB (281EM, 281BQ)	19AJ	ATY (291M)

Identity	Aerial Outfit	Identity	Aerial Outfit
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Pedestal Units (Continued)

19AK	AQB (281BM, 281BQ)	19AL	AQQ (960)
19AP	AHD (RU4)	19AR	AHA (RU1)
19M	AUB (271)	19N	AUG (273Q, 273QR)
19NT	AUH (273Q, 273QR)	19P	AUD (272 Series)
19R	AUE (271Q, 271QR)	19S	AQP (242 for ASS)
19U	AQR (293M)	19W	ANH (242/960),
	AUW(1)(2)(276)		ANR (242/277/P, 960)
			AQP (242)

Performance Meters

Design 4	940, 941,
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Phase Switching Units

Design 1	APZ (93 Beacon)
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Reflector Units

Design 2	ADE (ROTET)	Design 3	AQH (FV1)
Design 5	APZ (93 Beacon)	Design 6	AQG (651 Jammer)
Design 7	AQK (653 Jammer)		

Remote Matching Units

Design 7	AWA (W/T Receiving).
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Scanning Units

Design 2	AUW (971, 971M)
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Switch Units

Aerial Selector, 3 Way	ARP (QG - S/m)	Design 27	CEK (US SC13 Rx)
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Introduction

R/F Amplifier units used in both wireless and radar equipment similarly identified and their parent equipment was not evident. This was because they were all designed by Admiralty Signal School or later by ASE and AS&RE.

Identity	Outfit	Identity	Outfit
<u>Amplifier Units</u>			
M 9	AH1 (Shore D/F) FA1, FA2, FA3 FC1, FC2, FM1 LM1,	M 19 (Note Magnifier)	CN, CNS
M 31	RHR(1)(3)	M 50	CAA, CAB
M 53	CRA (282); CRB (284) CRC (285) CRD (287 Shore) CRH (284P(3)(4)) CRJ (285P(3)(4)) CRL (282, 282M(1)(2)(3)(4)) CRM (284, 284M(1)(2)) CRN (285, 285M(1)(2))	M 54	RHT(4)
M 56	CRF (284M(1)(2)) CRG (285M(1)(2)) CRH (284P(3)(4)) CRJ (285P(3)(4)) CRL (282, 282M(1)(2)(3)(4)) CRS (285M(3)(4)) CRM (284, 284M(1)(2)) CRN (285, 285M(1)(2)) CRT (282P, 282P(1)(2)(3), 283, 283M)	M 60	JH4 (Skidatron)
M 61	REC(1)	M 62	REC(2)
M 68	CRH (284P(3)(4)) CRL (282, 282M(1)(2)(3)(4)) CRQ (284M(3)(4)) CRS (285M(3)(4)) CRT (282P, 282P(1)(2)(3), 283, 283M)	M 90	CEK (US SC13 Radar)
M 92	SMG (Shore W/T Control)	M 97	CTB (645 TV Reception)

Introduction.

These may be Boards, Control or Boards Power Supply and used in both radar and wireless equipments. Extensively associated with designs introduced before 1940.

Identity	Outfit	Identity	Outfit
2AA	79, 79B, 79BM, 279, 279B 280, 281, 281P 281B, 281BP, 281BQ	2AB	281, 281B, 281P, 281BP, 281BQ
2AD	288 (Shore AA Training)	2AF	287 (Shore)
2AT	DWG (Emergency Power Supply	2BE	57QM, 57QMR
2BF	BAC	2F	35M, BMc, BML, BNC, BNIm, BVc, BVl
2G	35M, 36M, BDC, BD1, BGC, BLc, BL1, BMc, BML, BNC, BNl	2K	37, 37M, 37FR, BVc, BVl
2L	BLc, BL1	2P	51, 51L
2S	48, 48C, RHT(1)	2Q	38M, 38PR
		2T	49, 49C, 49M, 49MR, 50, 50M, 50MR, BSB
2W	55, 55R, 55M, 55MR	3PFX	57DMR, 59D
3FG	57DM		

MIXERSIntroduction

Fitted in radar equipment to combine radar and IFF signals on Display Equipment.

Mixer Units

Design A	241, 242	Design B	243, 243M
Design 5	243Q	Design 7	941
Design 11	940	Design 12	940

Mixer Racks

Design 2	243Q
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Introduction

These were used in radar equipment and some were identified with a numeric prefix to two alphabetic characters, or with an "L" prefix. The latter were used for receiving and display assemblies, including panels used for obtaining range and bearing data.

Identity	Outfit	Identity	Outfit
3AA	79, 79B, 79EM, 279, 279B	3AB	281, 281B, 281P, 281BP, 281BQ
3AD	282, 282P, 284, 284M(1)(3)	3AD (Mod)	282M(1)(3), 284M(1)(3)
	285, 287 (Shore), 288 (shore)		284P(3), 285M(1)(3), 285P(3)
3AG	290	3AH	282M(2),(4), 282P(1)(2)(3)
			283, 283M, 284M(2)(4)
			284P(4), 285M(2)(4), 285P(4), 285Q
3AJ	271X/XR/R	3AK	271P, 272P, 272PR, 273X
			273XR, 273, 273R
3AK (Mod)	271PR	3AM	91 (Jammer)
3AM (Mod)	91M (Jammer)	3AN	291, 291M, 291U, 291W
3AP	271Q	3AQ	241
3AR	243	3AS	243M
3BA	293, 293M (tbc), 293P, 293Q	3BB	262(1)
	293SX (Shore RNAS), 982, 983		
3BC	258 (Beacon - Tx-Rx)	3BD	267U, 267W, 267MW, 267QW,
			267PW, 267PW
3BE	262(1)	3BH	257M and MS (RACON Tx-Rx)
3BJ	267U, 267W	3BM	262(2)
3BP	262(4)	3BQ	980, 980S, 981, 981S
3BT	960, 960M, 960P, 960S	3BU	281, 281B, 281P, 281BP, 281BQ
3F	35M	3G	36M
3GA	36M	3GB	36M
3K	37, 37M	3KA	37M, 37FR, 38, 38M, 38PR
3KM	37FR, 37PR,	3PFX	57CM, 57CMR, 57DM, 59D
3PG	576CM, 576MR, 57DM	3PJ	55M, 55MR
3Q	38M, 38PR	3QA	38M, 38PR
3S	48, 48C	3T	49, 49C, 49M
3TA	49M,	3U	50, 50M, 50MR
3W	55, 55R	7AF	256 (RACON)
8T	72, 72D/DM/P/DP/S		

"Design" Prefix.

A	CRA (282)	B	CRB (284)
	CRL (282, 282M(1)(2)(3)(4))		CRF (284M(1)(2))
			CRM (284, 284M(1)(2))
			CRQ (284M(3)(4))
C	CRC (285)		
	CRG (285M(1)(2))		
	CRN (285, 285M(1)(2))		
	CRS (285M(3)(4))		

"L" Prefix.

L10	CPC ((279, 279B)	L11 (RB)	CPF (281, 281B, 281EM)
L12 (RB)	CRD (287 Shore)	L14	CRE (271/X, 272/X, 273/X)
L15	CRK (271P, 272P, 273P)	L17 (RB)	CEA (271X, 271XR)
			CEB (271PR)
			CED (271QR, 273QR)
L18 (RB)	CEA, CEB (As L17)	L20X	CEC (271Q, 273Q)
			CED (271QR, 273QR)
L20	CEC and CED (As L20X)	L22 (RB)	CRJ (285P(3)(4))
			CRS (285M(3)(4))
			CRI (282P, 282P(1)(2)(3), 283, 283.

Identity	Outfit
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Identity	Outfit
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"L" Prefix (Continued).

L23	CEA (271XR, 271X)	L24 (RB)	CRH (284P(3)(4))
	CEB (271PR)		CRJ (285P(3)(4))
L25	CEF (277S, 277T (Van),	L25AM	CEJ (277AM (Non RN User))
			CEF (277A (Non RN User))
L26	CEE (276, 277, 293)	L27 (RB)	JC3 (277T (Shore))
L30	CEG (274)	L31 (RS)	CEG (274)
L32 (B)	CEG (274)	L35	CEH (275)
L36 (RB)	CEH (275)	L38 (RB)	JC2 (277S Shore)
L40 (RB)	JC1 (277A Non RN Use)	L43	JH1 (276/293 - 242 IFF)
			JH2 (281 - 243 IFF/277 - 242 IFF)
			JJ1 (279/281 Heightfinding)
			RTE (276/277/293 variants)
L48	JS (981 Heightfinding)	L49	980, 980S, 981, 981S
L50	CPL (281P, 281BP, 281BQ)	L53	CEL (277P, 293P)
L54	960, 960M, 960P, 960S	L55	930 (Fall of Shot)

POWER SUPPLY EQUIPMENT COMPONENTS

Identity	Outfit
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Identity	Outfit
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Rectifier Units

SE2	REC(1)	SE8	86M
SE13	601, 601D, 602, 602E, 602DE, 603, 604, 604D, 605		

Design		Design	
36	REC(2)	45	603, 604, 604D, 605
82	CTB (645 TV Reception)	95	277P, 277Q, 982, 983

Power Units (RN Design)

Note :- Items marked "++" may have been Commercial Design.

AH6	AH6 (Shore D/F)	Design 2	691
Design 3	CUH (691 Rx)	FHA ++	FH4X
		(Plessey)	
FHB ++	FH4		
(Plessey)			

Power Units (Air Ministry)

RAF Type 87	613S, 613EFS	RAF Type 301	613EFS
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Introduction

Display Units belonging to Display Outfits in the "J" Series were separately identified. They could be use

Identity	Outfit	Identity	Outfit
<u>"Design" Prefix</u>			
26	262(4)	27	262(4)
28	262(3), 263(1) MRS1 R&D	29	262(3), 262(1) MRS1 R&D
38	961	40	961

Display Units

Notes : Items marked : -

"w" are weathertight remote displays

"r" are remote unswitchable displays.

"s" are remote and switchable between radars shown.

"c" are Coupled pairs used in RDR's

Remainder are 'Local' displays.

"Design" Prefix

A	JD2 (EPI)	B	JD2 (EPI), JE11A/B(267)
w	JE21 (281B/BP/BQ)		JE12A/B/C (271/273/272/276/293)
	JE25A (281/293; 281/SM1)		JE12D (277)
	JE25B (277 variants/960)		JE12E (291M)
s	JE29A (281/277/293 variants)	r	JE22A (271/2/3, 276/7/93 variants)
s	JE29B (960/277/277 variants)	r	JE22B (293 Variants)
			JE24 (277/293 variants)
		s	JE26A (277 - 293 variants)
		s	JE26B/C (277 - 293; SM1 - 293)
		s	JE30 (277 - 277 - 277)
D	JD1 (HPI)		

"Numeric"

6	r	JK1, JK2 (Skidatron)	8	r	JP1 (267PW)
	r	JK3 (Skidatron)			
10	r	JN1 (281/960 Azicator)	12		FV5
14		JE14A/B/C (281BP/BQ/960)	15	w	JE21 (281B/BP/BQ)
	c	JE14E (960/277Q/293Q)			
16		JE14A/B/C (281BP/BQ/960)	17		JE12A/B/C (271/273/272/276/293)
	c	JE14E (960/277Q/293Q)			JE12D (277)
					JE12E (291M)
					JE22A (271/2/3/276/7/293 variants)
			r		JE22B (293 Variants)
			r		JE24 (277/293 variants)
			s		JE26A (277/293 variants)
			s		JE26B/C (277/293; SM1/293)
			s		JE27A (277/293)
			s		JE30 (277/277/277)
			s		JE31 (293/277/277)
			w s		JN1 (281/960 Azicator)
18	r	JK1M, JK2M (Skidatron)	19	r	
	r	JK3M, JK4, JK5 (Skidatron)			
20	r	JR (Auto Radar Plot)	21	s	JE25A (281/293; 281/SM1)
				s	JE25B (277 variants/960)
				s	JE29A (281/277/293 variants)
				s	JE29B (960/277/277 variants)

Display Units (Continued)

Identity	Outfit	Identity	Outfit
<u>"Numeric" (Continued)</u>			
24	JE11A, JE11B	25	JD2 (EPI)
26	JD1 (HPI)	27	JE23 (972/M)
28 r	JE23 (972/M)	30 s	JE28 (291M - 293 variants)
31 s	JE28 (291M - 293 variants)	32 c	JE14CM (960)
		c	JE12EM (960/277Q/293)
		c	JE14D (960/982/983)
			JE14F (960/982/983)
		c	JE14G (960/277)
33 c	JE14CM (960)	34	JE12CM (293Q)
c	JE14D (960/982/983)		JE12DM (277Q/982/983)
	JE12EM (960/277Q/293)	r	JE22AM (277Q/293Q/982/983)
	JE14F (960/982/983)	r	JE22EM (293Q)
c	JE14G (960/277)	r	JE24M (277Q/293Q)
		s	JE26AM (277Q/293Q)
		s	JE26D (982/982)
		s	JE30M (293Q/277Q/982/277Q/982)
35 r	JN2 (960/982 Azicator)	36 s	JE25EM (960/277Q; 960/293Q)
		s	JE29EM (960/277 - 277/293 variants)
		s	JE29C (960 - 982 - 982)

Display Panels.

Design	Identity	Outfit
1 r	JL1 (960 Heightfinding)	2 JP2 (267PW)
	JM1 (277/960/982/983 IFF)	
3 r	JL1M (960 Heightfinding)	
r	JM1M (960 IFF)	

Cathode Ray Units

Design	Identity	Outfit
L	CPJ (291, 291U, 291W)	21 CPM (291M)
r	JH4 (Temporary Ranging)	
r	JJ2 (Temporary Heightfinding)	

(Commercial Design)

No Identity	RU2, RU3
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Introduction

Wireless and radar equipments included receiver assemblies using similar identities. Some of the earlier designs prior to 1939 both used M prefixes. Wireless receivers embodies Tuners and Tuner Amplifiers which are included here for ease of reference. Items marked "+" are designated "Tuner Amplifiers" and if marked "++" are Tuners. Others are identified as "Receivers". Entries marked * are the Receiver element associated with the Transmitter Type shown. "B" prefix identities are wireless receivers and "P" series used for radar and wireless equipments.

Identity	Outfit	Identity	Outfit
<u>Receiver Units</u>			
A9 +	CN, CNS, RHR(1)(3)	A46 ++	RC1
A47 ++	FA1, FA2, FA3, FC1 FC2, FM1, LM1	A50 ++	CAA, CAB, CAD
B11	CP, CPS, CQ, CQS	B12 +	CO, COS
B13 +	CSA, CSB, CSC, CSD	B16 +	CUA (Hangar Tuning Rx)
B18 +	FC4, FM9	B19 +	52ERT, 205 (Distant Control, Buoys) CBA, CBB, CBS
B21 +	FC4, FH3X, FH3,	B23	FM10
B27 +	FM9, FM10	B28	Portable Tx/Rx 65 CDC, CDL (Shore) REB(3)(4)
B29	CDP, CDM (Shore)	B34	CDH
B35 +	FH3	B36 +	RH2
B37	QM, QM1 (DECCA Navigator)	B38	650 (Jammer)
B40	CDW, RHR(5)	B41	CDY
B45	QM2 (DECCA Navigator)	B46	CAJ, CAL, CAN (612 Series Rx Element - HF)
B47	CAK, CAM, CAP (612 Series Rx Element - LF)	B49	QM3 (DECCA Navigator)
B50 ++	CAB	B53	QM4 (DECCA Navigator)
B54	QM5 (DECCA Navigator)		
FHB	AH6 (Shore D/F), FH4	FMA	FM11 (S/m)
FMB	FM12	FVA	FV5

"P" Series - Note : Used in both Wireless and Radar equipments

P11	CPA (79, 79B)	P12	CPB (279, 279B)
P13	CPF (281, 281B, 281EM)	P14	CRA, CRB, CRC (282, 284, 285) CRD (287 Shore)
P16	CRF, CRG (284M(1)(2), 285M(1)(2), CRS (285M(3)(4)	P17	FV2
P19	FV1	P20	CRH (284P(3)(4)) CRJ (285P(3)(4)) CRL (282, 282M(1)(2)(3)(4), CRM (284, 284M1)(2), CRN (285, 285M(1)(2), CRQ (284M(3)(4) CRS (285M(3)(4) CRT (282P,P(1)(2)(3), 283, 283M) CRH (284P(3)(4) CRJ (284P(3)(4), 285P(3), CRT (282P,P(1)(2)(3), 283, 283M) 251M (RACON), 251MS (RACON) 251P (RACON) QF ("Y" Receiver)
P23	CPF (281, 281B, 281EM)	P24	
P25	CPJ (291, 291M Series)	P27	
P29	FV1, QV4 (S/m "Y" Receiver - S27C)	P32	

Identity	Outfit	Identity	Outfit
<u>"P" Series (Continued)</u>			
P33	QG ("Y" Receiver)	P36	QJ (Jammer RCM Receiver)
P37	252P	P38	FV4
P40	CDK (Shore VHF Rx 682, 685, (Stratton S45CB)	P42	CDJ (Shore VHF - 681, 683, 684 Rx) (GEC 7A)
P43B	CDQ (Shore VHF)	P45A	253MW, 253QW
P47	253P, 253PS	P50	CEA, CEB (271XR, R, PR), CRE (271/X, 272/X, 273/X). CRK (271P, 272P, 273P) CEG, CEH (274 and 275)
P47	FV5		
P51	CEC, CED (271Q/QR, 273Q/QR) CEL (277P, 293P) CRE (271/X, 272/X, 273/X, CRK (271P)	P54	
P56	FV1	P58	91, 91M, 91MS (Jammer), FV1, QP ("Y" Receiver)
P59	970 (Ex AM R3159 or R3191)	P62	RU2
P63	RU4	P64	RU3, RU4
P65	RU3	P66	RU5
P67	CPK (267W)	P101	650 (Jammer), 651 (Jammer)
P102	RU1, QN2 ("Y" Receiver)	P104	RV4, CDU (87M Rx)
P107	CPL (281P, BP, BQ)	P109	971, 971M
P110	CTB (645X TV Reception)	P111	CTB (645X TV Reception)
P113	FV7X	P114	CPN (79EM)

Post 1950

62E	CUH (691 Rx)	62B	SRE Receiver (B40 Modified).
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Miscellaneous

WG	203 (Distant Control, Craft)	WJ	205 (Distant Control (Buoys)
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Wavemeters.

G41	GM (For 285M(3)(4), 284M(4))	G42	GN (W/T Tx & Rx)
G44	FV1, QG ("Y" Receiver)	G48	QF ("Y" Receiver)
G61	GH, GI, GJ, GK, GL (W/T Tx/Rx)	G62	GH, GI, GJ, GL (W/T Tx & Rx)
G64	REB(3)(4) (Shore Recording)	G73	GN, GQ, GS (W/T Rx)
G93	277 & 293 Series	G95	274 & 275 Series
G211	FV5	G212	FV5
G224	FV7X	G306	GT (W/T Rx)
G307	GU, GW (W/T Tx & Rx)	G308	GY (S/m) (Wavemonitor)

Non RN DesignAir Ministry

RAF R1153	RA3	RAF R1324/A	QH (Navigational Aid)
RAF R1325	QH2 (Navigational Aid)	RAF R1426	QH3 (Navigational Aid)
RAF R3090	253 (IFF)	RAF R3109	252 (IFF)
RAF R3159	970	RAF R3191	970 (Redesignated as RN P 59 ?)

Commercial - US

HRO	CDD, CDE	S27C	RV3, QN, QVA ("Y")
S27D	RV3	S27U	RV2

Identity	Outfit	Identity	Outfit
<u>Non RN Design (Continued)</u>			
Commercial - British			
GEC Type 7A	CDJ (Shore VHF Link)	Marconi CNY1	RH3 (Landing Craft)
Marconi CR100	CDC	Marconi CRD100	CDS (Shore Diversity Rx)
Marconi CRD150	CDS (Shore Diversity Rx)	Marconi CRD150/20	CGA, CGB, CGC, CGD (Shore Diversity Rx)
Marconi CR300/1	CDR (607/8 Receiver)	Marconi DFG26	AH4(1)(2)(3) (Shore D/F)
Marconi R1147/A	CDB (62X Low Power Tx and Type 91X Jammer)	Marconi RC64	CDZ (Shore Diversity Rx)
Plessey RL66B	FH4X	Plessey RL85	QD, QD2 ("Y" Reception)
Stratton S45CB	CDK (Shore VHF Link)	Origin unknown	Type 66 (6 - 9 M/cs) (RH1)

Complete D/F Equipments (Commercial Design)

Marconi	FM3, FM6	Peto Scott	FM14, FM15 (R&D Only. Never used).
Plessey	FM8	STC	FV9 (R&D only. Never used)

Identity	Main Outfit	Identity	Main Outfit
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RN Design Units.

3KM	37PR, 38M, 38PR	3KS	38M, 38M, 38PR
4AA	78T (Jammer)	4AD	602, 602D, 602E, 602DE, 604 604D, 605.
4H	37M	4PA	51, 51L
4Q	52ERT	4T	49M, 50M, 50MR, 60DR, 60DR 60E, 60ER, 60EM, 60EMR, 60FR 60EQR, 60EMS, 60EPS, 60EPRS, 60FS, 60FS, 60FRS
4TA	37PR, 38M, 38PR	4U (Des A/B)	64T, 64 MT
4U (C or D)	64PT	5AB	601, 601D, 602, 602D. 602E, 602DE, 603, 603D, 605).
5AD	650 (Jammer)	5AE	650 (Jammer)
5AH	612E/F/EF/EU/ET	5AG	613ES, 613FS
7BJ	651 (Jammer)	7EK	651 (Jammer)
5G	65	5J	203 (Distant Control, Craft) 205 (Distant Control, Buoys)
5PA	51, 51HV	5Q	52FH, 52CFH, 52FHV, 52ERT, 62X
7AA	286M/P/W/MU/PU	7AB	251M, 251MS, 251P (RACONS Mk II IFF)
7AD	242, 242P, 244	7AG	92, 92S (Beacon)
7AJ	249 (Recorder)	7AK	92S (Beacon)
7AL	685	7AM	682, 682M
7AR	72P, 72DP	7AS	681
7AT	683	7AU	684
7AW	686X, 686, 686M	7BC	93, 93S (Beacon)
7BD	243Q	7BE	951 (Marker Beacon TX - RX Unit))
7BP	86M (Modified RAF Eqpt)	7BPA	86M (Modified 7BP).
7BR	953 (RACON TX - RX Unit)	7BS	952 (Portable Beacon Tx-Rx)
7CA	645X (TV Eqpt).	7CC	645X (TV Eqpt)
7CE	942 (TX - RX Unit)	7CF	951 (Marker Beacon Tx-Rx)
7CH	943	7CJ	TSA (Glider Control)
7CK	TSA (Glider Control)	7T	72, 72D, 72DM,, 72S
7U	251 (RACON - Tx-Rx)	7UA	251W (S/m RACON)
8A	89 (USA Mfr)	8B	89M (USA Mfr)
8C	87M, 87MS	8D	610ES, 610FS, 610EFS
8E	89P (USA Mfr)	8L	89P (Modified 8E)
8M	89Q (RN modified 8L))	9AA	653 (Jammer)
9AB	687	9P	271XR/R, 273, 273P,
9P (Design B)	271P/PR, 272P, 272PR, 273X, 273XR, 273, 273R, 273XS, 273S 273P, 273PS	9Q	271Q, 271QR, 273Q, 273QR, 273QS
9R	277A, 277AM, 277T (Van)	9T	276, 277, 277F (Shore use) 277P, 277Q, 277FQ (Shore use) 277S, 293, 293M, 293P, 293Q 293SX (Shore RNAS), 982, 983
9U	274	9W	275
10P	971 (AUW - Tx-Rx)		

69A 691

Oscillators (Air Ministry Design)

Type 76	RV4
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Responder Units.

Design A	241, 242, 242M, 244	Design 5	941 (G Band)
Design 6	CEK (US Radar SC13)	Design 7	242P
Design 8	943 (G Band)	Design 9	940 (G Band)

Identity	Main Outfit	Identity	Main Outfit
<u>Wavemeters.</u>			
G33	GA (W/T Tx)	G35	GH, GI, GJ, GL (W/T Tx)
G41	GM (For 285M(3)(4), 284M(4))	G42	GN (W/T Tx & Rx)
G56	GA (W/T Tx)	G61	GH, GI, GJ, GK, GL (W/T Tx & Rx)
G62	GH, GI, GJ, GL (W/T Tx & Rx)	G93	277 and 293 Series
G95	274 and 275 Series	G306	GT (W/T Tx and Rx)
G307	GU, GW (W/T Tx & Rx)	G308	GY (S/m) (Wavemeter)

Non RN Design.Army.

GL2	280 (Aux. AA Ships)
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Air Ministry

RAF T1131	87	RAF T1190	88, 88S, 88RS
RAF T1190A	88MS, 88MRS	RAF T1333B	611 (Lifesaving set)
RAF T1408	658 (Mandrel I)	RAF T1440	93S
RAF T1440(Mod)	93S	RAF T1509A	617S
RAF T1683/100	665M (Jammer)	RAF T1656	658M (Mandrel II)
RAF T1656A	658P(Mandrel IIA)	RAF TR1133A/C	86 (US Procurement)
RAF TR1621A	664 (Jammer)	RAF TR3523/A	ALW (971M)
RAF	970	RAF	971
(H2S Mark II)		(H2S Mark III)	

USA Military.

BC -1237A	659 (Mandrel)	SPT-4/T9-APQ-2	656 (Jammer)
T26/APT-2	654 (Jammer)	T28/APT1	665 (DINA Jammer)

British Commercial.

GEC 7B	681 (7AS)	GEC 30B	683 (7AT)
GEC 100A	684 (7AU)	Marconi CNY1	616, 616M, 616P
Marconi TGY2	607, 607E, 607F, 608	Marconi TNS2	608, 608E, 608F
ST&C M4	63, 63M	Stratton 215C	685 (7AL)
Stratton S440B	682, 682M (7AM)		