

Chapter VI

LIST OF NAVAL RADAR SETS & THEIR USES

CLASSIFICATION:

WA	...	...	Warning of Aircraft
WS	...	...	Warning of Surface Craft
WC	...	...	Warning Combined (aircraft and surface)
WCH	...	...	Warning combined with Heightfinding
GS	...	...	Gunnery Surface
GA	...	...	Gunnery Aircraft
GC	...	...	Gunnery Close Range
GB	...	...	Gunnery Barrage
TI	...	...	Target Indication
INT	.....		Interrogator
IRT	...	...	Interrogator Responder Transponder
TPD	...	...	Transponder
IFF	...	...	IFF Set
BCN	...	...	Radar Beacon
GCA	...	...	Ground Control Approach
+	...	...	Signifies under development or experimental

Type No	Class of Set	Where Fitted	Remarks
79/B 242	WA INT	Cruisers and above Ships fitted with types 271/2/3/5, 291; also with 277/293 when 242M is not available.	Mk. III System
242M	INT	Ships fitted with 277/293.	Mk. III System superseding 242
242P	INT	With 277 in ships fitted with 960 & 277; with 960 in ships fitted with 960 & 980.	
243	INT	Ships fitted with 79/B or 281/B	Mk. III System 243Q replaces 243 with 281/B
243M	INT	Ships fitted with 279/B	Mk. III System
243Q	INT	Ships fitted with 281/B	Mk. III System (A-band) Fitted in conjunction with 941
244	INT	Ships fitted with US-type SG or SL	Mk. III system
249	-	-	Recording equipment
251M	BCN	Cruisers and above and certain light craft	
251MS	BCN	Shore Stations	
251P	BCN	Certain Aircraft Carriers	Used with "Lucero"
253	IFF	All HM Ships	Mk. III System
253P	TED	All HM Ships	Mk. III System with coding (IFF & BCN)

Type No	Class of Set	Where Fitted	Remarks
253PS	TPD	Lighthouses	Mk. III System with coding (IFF & BCN)
253MW	TPD	Submarines	Mk. III System with coding (IFF & BCN)
253S	IFF	Lighthouses	Mk. III System (IFF)
255	BCN	Launched from surface ships ML's etc.	Marker buoy for Landing operations (BCN)
255M	BCN	Launched from submarines	Marker buoy for Landing Operations
256	BCN	Shore Stations	Aircraft Homing (no longer to be fitted)
257/M	BCN	Carriers	
257S/MS	BCN	Shore Stations	Aircraft Homing
262(1)	GC	STAAG Mountings	
262(2)	GC	CRBF Directors	
262(3)	GC	CRSI Directors	
262(4)	GC	BUSTER Mountings	
263(1)	GC	MRSI Director	
267W(1)	WC	Submarines ("T" Class)	
W(2)			
267W	WC	Submarines {"T" & "A" Class}	
+267W	WC	Submarines {"T" & "A" Class}	
267W	WC	Submarines {"S" Class}	
268/M	WS	Capital Ships	
268/MU	WC	Coastal Craft	
271E/PR	WS	Destroyers and below	
271Q	WS	Destroyers and below	Supersedes 271E/PR
271QR	WS	Destroyers and below	

Type No	Class of Set	Where Fitted	Remarks
272P/PR	WS	Cruisers and above	
273	WS	Shore Stations	
273P/PR	WS	Cruiser and above	
273PS	WS	Shore Stations	
273Q/QR	WS	Cruisers and above	Supersedes 273P/PR
273QS	WS	Shore Stations	Supersedes 273PS
274	GS	Cruisers and above	Supersedes 184
275	GA	Cruisers and above; certain Destroyers with Mk. VI Directors	For AA/S Surface
277/P	WS	Corvettes and above	
277Q	WS	Cruisers and above	Supersedes 277P
277L	WS	Issue to Ministry of Supply (Army use)	
277AM	WS	Issue to Air Ministry	
277F	WS	Ships set adapted for Shore Stations	
277S	WS	Fixed Naval Service ashore	
277T	WS	Mobile Naval Service ashore (vans)	
279/B	WA	See under 79/B	
281/B	WA	Cruisers and above	Being replaced by 281BP/BQ
281BP/BQ	WA	Cruisers and above	
282M3/4	GC	Sloops and above with Bofors Mountings or Pom-Pom Dir's	

Type No	Class of Set	Where Fitted	Remarks
282P/P1	GC	Sloops and above with Pom-Pom Directors	Supersedes 282M3/4
282P2	GC	Sloops and above with Bofors Mountings	
283	GB	Cruisers and Capital Ships	With ABU Mk. I
283M	GB	Cruisers and Capital Ships with CPU1	
284M3/M4/ P3/P4	GS	Cruisers and above in conjunction with main armament	For close range analysis
285M3/M4/ P3/P4	GS	Ships fitted with AA or AA/ Surface Guns	
285Q	GA	Destroyers fitted with "K" DCTs only	
288	GC	AA Training Centres	
291/M	WC	Destroyers and below	
291U	WC	Coastal Craft	
291W	WC	Submarines	
293/M/P/Q	WC	Fleet Destroyers and above	
+900	WC	-	
+901X	GA	-	
+930/931	GS	Cruisers and above	Long range system Mk. I
+940	INT	Ships fitted with 960	Shell splash sets
941	INT	Ships fitted with 281/B/ BP/BQ	Mk. III System
			("G" - band)
			Mk. III System
			("G" - Band); fitted
			in conjunction with 243Q

Type No	Class of Set	Where Fitted	Remarks
942	IRT	Submarines	Mk. III System: replacing 253M Marker beacon used with 970 Portable marker beacon used with 970/1 Fitted in certain ships in lieu of 251M Superseding 79 and 281 series Modified ASV Mk. XI Set
951	BCN	-	
952	BCN	-	
953	BCN	Cruisers and above, and certain light craft	
+960/P	WA	Cruisers and above	
961	GCA	Aircraft Carriers	
962	GCA	Experimental	
970	WS	CCO Ships	
971/M	WS	CCO Ships	
972	WS	Selected ships only	
+980	WC	A/C Carriers	Fighter Direction set Fighter Direction set Fighter Direction set Fighter Direction set Experimental Target Indication Set
+980S	WC	Shore Stations	
+981	WCH	A/C Carriers	
+981S	WCH	Shore Stations	
+992	WC	Experimental	

OBSOLETE OR OBSOLESCEMENT SETS

Type No	Class of Set	Remarks
241	INT	
245	INT	Only one fitted (HMS Boxer)
251	BCN	
251W	BCN	
252/M/P	IFF	
253S	TED	
256	BCN	
258	BCN	None fitted
259	BCN	
267/U	WC	
269	GS/C	None fitted
276	WS	
279	WA	
280	WA	
286	WC	
287	WS	
290	WC	
990	WC	None fitted
991	WS	None fitted