

**D. 248.** (Established—March, 1921.)  
(Revised—November, 1953.)

For use at the  
Admiralty

**REPORT OF COMPLETION OF ELECTRICAL ARRANGEMENTS IN COMPARTMENTS USED FOR THE STORAGE AND HANDLING OF EXPLOSIVES, INFLAMMABLE LIQUIDS AND HYDROGEN**

**H.M.S. " \_\_\_\_\_ " \_\_\_\_\_**

\* Completed at \_\_\_\_\_ Date \_\_\_\_\_

\* Refitted } at \_\_\_\_\_ Date taken in hand \_\_\_\_\_  
or }  
\* Repaired } Completed \_\_\_\_\_

1. This Report is to be rendered on the occasion of a new ship being first completed, and on each occasion that a ship is taken in hand for modernisation, conversion, large repairs or refit at a Dockyard or Contractor's Works, and in every case when work is taken in hand either in, or adjacent to, compartments mentioned in Chapter IX, Naval Magazine and Explosives Regulations and in the Regulations for the Storage and Handling of Petrol, Paraffin, Anti-Freeze Fluid, Dope and Hydrogen.
2. On these occasions a copy of the latest Certificate is to be produced by the Commanding Officer of the Ship for the information of the Dockyard Officers.
3. After completion of a new Ship three copies of this form are to be prepared and forwarded at the earliest possible date: one to the C. in C., one to the Secretary of the Admiralty (P. Branch I), Bath, and one to the Ship for the Captain's Ship's Book.
4. After a refit two copies of this form are to be prepared and forwarded at the earliest possible date: one to the Secretary of the Admiralty (P. Branch I), Bath, and one to the Ship for the Captain's Ship's Book. For Reserve Fleet Ships three copies of the form are to be prepared and distributed as follows:—one to the Secretary of the Admiralty (P. Branch I), Bath, one to F.O.C.R.F., and one to the Ship for the Captain's Ship's Book.
5. Each copy of the form is to be signed by the Commanding Officer and Electrical Engineering Manager, Superintending Electrical Engineer or † Warship Electrical Superintendent, the signatures being obtained before the ship leaves Dockyard or Contractor's hands.

## CERTIFICATE

This is to certify that the electrical arrangements in connection with the compartments used for the storage and handling of naval armament explosives, inflammable liquids and hydrogen in the above named vessel are satisfactory and in accordance with the regulations laid down in B.R.862 and B.R.1754 (†except as stated overleaf).

..... { \*Electrical Engineering Manager of the Yard.  
\*Superintending Electrical Engineer of the Yard.

..... †Warship Electrical Superintendent.

..... Commanding Officer.

Forwarded to the Admiralty.....

..... Superintendent.

..... Senior Naval Officer.....

\*Delete words not applicable.

†If the words (except as stated overleaf) are not deleted, all alterations and additions and/or repairs which are necessary to comply with the relevant regulations are to be shown overleaf, with a remark against each item stating what action has been taken and/or is necessary to comply with the above regulations. Where special Admiralty approval has been given to waive certain items, the items are to be shown in Column I on the back of this certificate, and the authority for waiving the work inserted in Column II.

†For a Vessel dealt with at a Contractor's Yard where there is no Electrical Overseer (*e.g.*, Colombo, Ceylon, etc.), the certificate is to be signed by the Electrical Officer of the ship in conjunction with a representative of the Firm.

PR/Sta. 10382(4)/1953.



PROPOSED ITEM.

H.M.S. ....

Temporary Distinguishing Letter.....

or Class.....

Proposed Classification	Description of Item

**REASON FOR PROPOSAL.**

1. Purpose for which item is required and how does it advance materially—
  - (a) fighting efficiency .....
  - (b) seagoing efficiency of the Fleet, or .....
  - (c) the comfort and health of the personnel ? .....
2. To what extent will the advance in any of the above directions result in a corresponding retrogression in one or more of the remainder ? .....
- To what class or classes of ship will the item be applicable ? .....
4. If adopted, what existing material will the item supplement or replace ? What saving in manpower would result if such existing material were to be surrendered ? .....
5. Will the introduction of the item result in any addition or reduction to the War Complement ? If so, approximately how many officers and men respectively ? .....
6. What effect will the introduction of this item have on the accommodation when the full War Complement is borne ? .....

*(Continue on back of sheet if necessary)*

Can work be carried out by Ship's Staff } (a) Completely ? .....

or (b) If finished or unfinished materials are supplied.....

**REMARKS OF ADMINISTRATIVE AUTHORITY.**

Other Ships of the Class concerned

Is proposal applicable to other Ships of the Class ?.....If so, state names :—

CONFIDENTIAL

S.1116.—(Revised—April, 1954.)  
(Three Sheets)—(Pages 1–6)

INVENTORY OF WIRELESS EQUIPMENT

H.M.S. "....."

Date.....

This inventory is submitted in accordance with paragraph 1.....\* of the instructions given below.

Signature of Electrical Officer.....

Rank.....

\**(a), (b), (c) or (d)* to be added as applicable.

INSTRUCTIONS FOR RENDERING FORMS S.1116 and S.1117

1. The Commanding Officers of H.M. Ships and Auxiliaries are to render completed copies of this form on the following occasions :—

- (a) Annually on 31st May.
- (b) On first commissioning.
- †(c) On transferring to a new station.
- (d) After a refit, modernisation or conversion involving *major* alterations and additions to radio equipment.

†Copies are not required by Admiralty unless changes have taken place since the last return.

(b) Five copies are to be forwarded to the Administrative Authority who should retain one copy and forward the remainder as follows :—

- (i) Original and duplicate to the Secretary of the Admiralty (for the Director of Radio Equipment).
  - (ii) One copy to the Commander-in-Chief.
  - (iii) One copy to the S.N.S.O. of the ship's storing yard.
- A sixth copy is to be placed in the Ship's Book.

2. *Minor* alterations and additions to radio equipment are to be reported by letter and the items included in the next return made in accordance with paragraph 1.

3. All changes made in the inventory since the last return are to be underlined in red.

4. The officers responsible for the acceptance of radio equipment on first fitting in ships and auxiliaries are to supply the Commanding Officer with details for entry on Forms S.1116 and S.1117 as follows :—

- (a) **ON FIRST COMMISSIONING** or after modernisation or conversion—A complete list of radio equipment fitted. This is normally to be done on Forms S.1116 and S.1117.
- (b) **AFTER A REFIT INVOLVING ALTERATIONS AND ADDITIONS TO RADIO EQUIPMENT**—A list of the changes made.

5. When both S.1116 and S.1117 are rendered, Test Outfit deficiencies are to be shown only on Form S.1117.

6. In ships with no radar, Nav aids, if fitted, should be shown on Form S.1116 under "Miscellaneous Outfits".

7. Details of Portable Sets and R.M. landing party equipment are to be inserted in the appropriate columns on Forms S.1116.

8. The Electrical Officer is normally to be responsible for the preparation of the completed Forms S.1116 and S.1117 and should sign the form.

9. The forms are of foolscap size in order that entries may be typewritten. Each form consists of three sheets. Completed sheets should be stapled together in book form. The punched holes are for use when the form is inserted in the supplement to the Ship's Book.

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S.1116—(Revised \_\_\_\_\_)

Ship \_\_\_\_\_

Page 2

Date \_\_\_\_\_

Voltage \_\_\_\_\_ AC/DC\* CWS/NON/CWS\*  
 \*Strike out as necessary.

Position	Aerials					Aerials Exchange	Deck Insulator Groups
	Wire	Whip	Dipole	Frame	Special		
	1	2	3	4	5	6	7
No. 1 T.R. or U.T.R. ...							(a)
No. 2 T.R. or L.T.R. ...							(b)
No. 3 T.R. ...							(c)
Auxiliary or Emergency T.R.							(d)
LRR ...							(e)
BWO/MWO ...							(f)
3rd WO ...							(g)
No. 1 V-UHF Office ...							(h)
No. 2 V-UHF Office ...							(i)
No. 3 V-UHF Office ...							(j)
Auxiliary V-UHF Office ...							(k)
MF. D.F. Office ...							(l)
H.F. D.F. Office ...							(m)
V-UHF D.F. Office ...							(n)
CCA Room ...							(o)
D.P.T. Room ...							(p)
A.D.R. ...							(q)
Operations Room ...							(r)
Met. Office ...							(s)
T/V Room ...							(t)
E.M.R. ...							(u)

	Position	Deck Trunk Outfits	Common Aerial Working Outfits	Transmitters	Trans receivers
		8	9	10	11
(a)	No. 1 T.R. or U.T.R. ...				
(b)	No. 2 T.R. or L.T.R. ...				
(c)	No. 3 T.R. ...				
(d)	Auxiliary or Emergency T.R.				
(e)	LRR ...				
(f)	BWO/MWO ...				
(g)	3rd WO ...				
(h)	No. 1 V-UHF Office ...				
(i)	No. 2 V-UHF Office ...				
(j)	No. 3 V-UHF Office ...				
(k)	Auxiliary V-UHF Office ...				
(l)	CCA Room ...				
(m)	A.D.R. ...				
(n)	Operations Room ...				
(o)	Met. Office ...				
(p)	T/V Room ...				
(q)	E.M.R. ...				

Position	Receivers	D.F. Outfits and Remote Displays	Recording Outfits	Wave-meters	Facsimile
	12	13	14	15	16
No. 1 T.R. or U.T.R. ...					(a)
No. 2 T.R. or L.T.R. ...					(b)
No. 3 T.R. ...					(c)
Auxiliary or Emergency T.R.					(d)
LRR ...					(e)
BWO/MWO ...					(f)
3rd WO ...					(g)
No. 1 V-UHF Office ...					(h)
No. 2 V-UHF Office ...					(i)
No. 3 V-UHF Office ...					(j)
Auxiliary V-UHF Office ...					(k)
MF. D.F. Office ...					(l)
H.F. D.F. Office ...					(m)
V-UHF D.F. Office ...					(n)
CCA Room ...					(o)
D.P.T. Room ...					(p)
A.D.R. ...					(q)
Operations Room ...					(r)
Met. Office ...					(s)
T/V Room ...					(t)
E.M.P.					(u)





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Ship \_\_\_\_\_

Page 6

Date \_\_\_\_\_

Miscellaneous Outfits

Miscellaneous Offices

25		26		27		28	
Control Outfit	...			Briefing and Ready Room	...		(za)
C.N.R.T.E. (not required if S.1117 is also rendered)	...			Aircraft Control Room			(zb)
Training Outfits	...			Flying Control Room...			(zc)
R.M. Landing Party Equipment	...						(zd)
Portables	...						(ze)
3rd WO Accessory Outfit							(zf)
							(zg)
							(zh)

Equipment Removed Since Last Report (see also paragraphs 2 and 3 on title page). Column references to be quoted.

**Deficiencies**

First fitting (complete Outfits) and Test Outfit Deficiencies only (Test Outfit Deficiencies should not be shown on this form if S.1117 is also rendered).

**Remarks**

Items on which it is desired to remark should be marked with an asterisk and referred to in this section by quoting the column references, e.g., 2a, 10b, etc., in addition to the type numbers.

S.1117.—(Revised—April, 1954.)  
(Three Sheets)—(Pages 1-6)

**INVENTORY OF RADAR EQUIPMENT, NAVAIDS AND BEACONS**

H.M.S. "....."

Date .....

This inventory is submitted in accordance with paragraph 1.....\* of the instructions given below.

Signature of Electrical Officer .....

Rank .....

\* (a), (b), (c) or (d) to be added as applicable.

**INSTRUCTIONS FOR RENDERING FORMS S.1116 and S.1117**

1. The Commanding Officers of H.M. Ships in Commission and the Administrative Authorities of Auxiliaries and of Ships in Reserve are to render completed copies of this form on the following occasions :—

- (a) Annually on 31st May—(not required for Ships in Reserve).
- (b) On first commissioning.
- †(c) On transferring to a new station.
- (d) After a refit, modernisation or conversion involving *major* alterations and additions to radio equipment.

† Copies are not required by Admiralty unless changes have taken place since the last return.

2. Five copies are to be forwarded to the Administrative Authority who should retain one copy and forward the remainder as follows :—

- (i) Original and duplicate to the Secretary of the Admiralty (for the Director of Radio Equipment).
  - (ii) One copy to the Commander-in-Chief.
  - (iii) One copy to the S.N.S.O. of the ship's storing yard.
- A sixth copy is to be placed in the Ship's Book.

3. *Minor* alterations and additions to radio equipment are to be reported by letter and the items included in the next return made in accordance with paragraph 1.

4. All changes made in the inventory since the last return are to be underlined in red.

5. The officers responsible for the acceptance of radio equipment on first fitting in ships and auxiliaries are to supply the Commanding Officer with details for entry on Forms S.1116 and S.1117 as follows :—

- (a) ON FIRST COMMISSIONING or after modernisation or conversion—A complete list of radio equipment fitted. This is normally to be done on Forms S.1116 and S.1117.
- (b) AFTER A REFIT INVOLVING ALTERATIONS AND ADDITIONS TO RADIO EQUIPMENT—A list of the changes made.

6. When both S.1116 and S.1117 are rendered, Test Outfit deficiencies are to be shown only on Forms S.1117.

7. In ships with no radar, Navaids, if fitted, should be shown on Forms S.1116 under "Miscellaneous Outfits".

8. Details of Portable Sets and R.M. landing party equipment are to be inserted in the appropriate columns on Forms S.1116.

9. The Electrical Officer is normally to be responsible for the preparation of the completed Forms S.1116 and S.1117 and should sign the form.

10. The forms are of foolscap size in order that entries may be typewritten. Each form consists of three sheets. Completed sheets should be stapled together in book form. The punched holes are for use when the form is inserted in the supplement to the Ship's Book.

Classification of Equipment	Type	Aerial Outfits			Receiver
		Type	Pedestal	Control Table	
1	2	3	4	5	6
W.A.					(a)
W.C.					(b)
W.C.H.					(c)
W.S.					(d)
H.D.W.S.					(e)
C.C.A.					(f)
G.A.					(g)
G.C.					(h)
G.D.					(i)
G.M.					(j)
G.S.					(k)
A.E.W.					(l)
Beacon					(m)
Nav aids					(n)
I.F.F. (Indicating sets with which associated and including Interrogators and Transponders if fitted)					(o)
					(p)
					(q)

Classification of Equipment	Associated Outfits			Power Supply Outfit	12	13	14
	Local Display SH	Local Ranging Outfit	Teacher Outfit if with set				
	8	9	10	11			
(a) W.A. ....							
(b) W.C. ....							
(c) W.C.H. ....							
(d) W.S. ....							
(e) H.D.W.S. ....							
(f) C.C.A. ....							
(g) G.A. ....							
(h) G.C. ....							
(i) G.D. ....							
(j) G.M. ....							
(k) G.S. ....							
(l) A.E.W. ....							
(m) Beacon ....							
(n) Nav aids ....							
(o) I.F.F. (Indicating sets with which associated and including Interrogators and Transponders if fitted)							
(p) .....							

**REMOTE DISPLAYS, RANGING AND TEACHER OUTFITS, ETC.**

Position	Equipment Fitted		Set/s with which associated	19	20
	Description	Nomenclature and number			
15	16	17	18	19	20
A.D.R.					(a)
Bridge Operations Room					(b)
R.D.R.					(c)
Admiral's Bridge					(d)
Bridge or Compass Platform					(e)
Charthouse					(f)
C.C.A.R.					(g)
G.D.R./M.D.R./W.D.R.					(h)

Miscellaneous Outfits

Miscellaneous Offices

Miscellaneous Outfits		Miscellaneous Offices	
21	22	Office	Equipment fitted
23	24		
(a) C.N.R.T.E.			
(b) A.I.C. ....			
(c) E.M.R. ....			
(d) L.M.A. No. 1 ....			
(e) L.M.A. No. 2 ....			
(f) L.M.A. No. 3 ....			
(g)			
(h)			

**Equipment Removed Since Last Report** (see also paragraphs 2 and 3 on title page). Column references to be quoted.

**Deficiencies**

First fitting (complete Outfits) and Test Outfit Deficiencies only.

**Remarks**

Items on which it is desired to remark should be marked with an asterisk and referred to in this section by quoting the column references, e.g., 2a, 10b, etc., in addition to the type numbers.

# APPLICATION FOR, AND REPORT OF RESULT OF,

\* { Oral and Practical examination }  
  { Oral Aptitude test }  
  { Provisional examination } For rating of \_\_\_\_\_  
  { Professional examination }

---

## I. APPLICATION FOR EXAMINATION

H.M.S. \_\_\_\_\_

Name of Candidate (in full) \_\_\_\_\_

Port Division and Official No. \_\_\_\_\_ Present rating \_\_\_\_\_

Date of application for Examination \_\_\_\_\_

Date of recommendation for Examination (if for M.A.A.) \_\_\_\_\_

Date and particulars of previous failures \_\_\_\_\_

---

The candidate has served the requisite period of time, he is fully eligible for examination, and has the necessary recommendations required by the Regulations.

o. \_\_\_\_\_

Captain

\*Delete as necessary.



## II. RESULT OF EXAMINATION

We consider the Candidate { to have passed } the\* { Oral and Practical examination  
to have failed } { Oral Aptitude test  
Provisional examination  
Professional examination

for the rating of \_\_\_\_\_

REMARKS :—(Whether passed a V.G., Good or Fair Examination, or if not passed, particulars of his deficiency.)

Dated on board H.M.S. \_\_\_\_\_

at \_\_\_\_\_ on the \_\_\_\_\_ of \_\_\_\_\_ 195\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ }  
Signatures and Ranks  
of Examining Officers  
(as laid down by the Regulations).

Candidate's Signature \_\_\_\_\_

(Duplicate.) Forwarded. The necessary action has been taken on the original certificate in accordance with Q.R. & A.I., Appendix Eleven, Part I, paragraph 2 and N.P.R. Article 1069. The candidate passed E.T.I. on \_\_\_\_\_ : has not yet passed E.T.I.\*

The Commodore,

R.N. Barracks

H.M.S. \_\_\_\_\_

Captain,

\_\_\_\_\_ 195\_\_\_\_\_

**NOTE.**—This form is to be used for examinations for all ratings, except in cases where special forms are provided, or where examinations of several ratings are held at one centre and the complete results are promulgated in one statement. Applications are to be submitted to the Administrative Authority in duplicate, at least one week before the examination is due, together with Service Certificate (or Certified Copy) and History Sheet. On successful completion of the examination, the original form is to be given to the candidate and the duplicate sent to his Depot. For men who fail, one copy is to be retained with the Service Certificate for future reference, the other copy being destroyed.

\*Delete as necessary.

N. 1299/38

S.—442.