

Page
7/173

278/247/202/hch

CARDIV FOUR ULTRASECRET STANDING ORDER 20

Flagship RYUJO (+1), off HOSOSHIMA (+2) 27 Nov 41

KAKUDA, Kakuji (+5)
Commander, Cardiv Four

(TH Seal) OKAMOTO (+4)

Cardiv Four Doctrine is established as in the Separate Volume

Page
7/173

Cardiv Four Ultrasecret Standing Order 20

Separate Volume

Cardiv Four Doctrine

Cardiv Four
Headquarters

20 of 100 copies

Page
7/174

CONTENTS

I. General Principles

II. Security

A. Cruising under alert (SEIKAI KOU)

B. Air security

1. Patrol of route of advance
2. Direct antisubmarine escort
3. Security against trailing by enemy submarines
4. High altitude direct escort
5. Antiaircraft patrol

C. Identification of Friendly Forces

(01) etc:-

(1) 龍馬 (2) 細島 (3) 角田 寛治 (4) 岡本

III. Search, Reconnaissance, Tracking

IV. Combat

- A. Combat policy
- B. Air combat
- C. Gunnery engagements
- D. Torpedo engagements
- E. Depth charge action

V. Procedure

- A. Battle speeds
- B. Smoke screens
- C. Methods of airplane stand-by
- D. Panel signals from aboard ship to direct escort planes overhead

Page
7/175a

I. GENERAL PRINCIPLES

In this doctrine are set forth the plans and policies to be adopted by CarDiv Four before, during and after combat and those matters to which each ship will conform. Each commanding officer is expected to do his utmost to conform to this doctrine and to apply the instructions contained in the Naval Combat Regulations and in the various manuals.

II. SECURITY

Page
7/175a
7/175b

A. Cruising Under Alert (KEIKAI KOKO)

1. The orders of cruising under alert (KEIKAI KOKO) are as follows:

ORDER OF CRUISING UNDER ALERT (KEIKAI KOKO) - 1	ORDER OF CRUISING UNDER ALERT (KEIKAI KOKO) - 3	ORDER OF CRUISING UNDER ALERT (KEIKAI KOKO) - 5	ORDER OF CRUISING UNDER ALERT (KEIKAI KOKO) - 7

(Exact tracing from the original document.)

(Translation of conventional signs and abbreviations.)

△ Destroyer
⊙ (C)
⊠ Aircraft carrier

D = 3K Distance equals three nautical miles.
D Distance

Note: USF 77, ^{Revised} Current tactical orders, aircraft

Carriers, U.S. Fleet (3-41)

para 223. Plane Guard Destroyers Formation

1) Plane Guard DD Form 1 (High Visibility)

(a) Day Operations

Form Plane guard formation #1 (Day Ops)

Signal Form E 4 Tack one D

"Easy 4 tack one Dog"

DD#1 175-185R 1000yds

15.

DD#2 10° starboard 500yds

DD#3 500yds astern of #1

of DD available #2 is trained

(b) Night Operations

Form Plane guard formation #1 (Night Ops)

Signal E 1 Tack 1 NEGAT

"Easy one tack one negat"

DD#1 ~~175-185R~~ 350°-0° R 2000-4000yds

DD#2 - Same as day ops

DD#3 Port beam of CV 2000yds

1) Carrier moving astern of CV

2) Plane Guard DD Form 2 (High Visibility)

(a) DD#1 15° abeam port beam CV 750yds

(b) DD#2 45° astern quarter 1000yds

(c) DD#3 45° astern quarter CV 1000yds

3) Plane Guard DD Form 3 (Low Visibility)

Column astern of CV

1. Patrol of route of advance

TYPE OF DISPOSITION	Disposition 1	Disposition 2	Disposition 3	Disposition 4
NUMBER OF AIRPLANES OPERATING AT ONE TIME	One attack plane	One attack plane	Two attack planes	Three attack planes
DIAGRAM OF MOVEMENTS	Base course In the absence of special orders Base course Repeat 90° 90° Datum point	Base course Base course Datum point	Base course Datum point	Base course Datum point
OUTLINE OF PATROL OPERATIONS	1. Duration of one patrol normally will be three hours. 2. The datum point "O" will be fixed by special order. 3. In the absence of special orders, base course will be the course at the time. 4. In the absence of special orders, the patrol range, D, interval between the patrol lines, b, and measurement "d" will be as indicated in the diagrams. 5. Each airplane will patrol by following the movements of the diagram and reversing them within the proscribed time. 6. The altitude of the airplane will be determined by the airplane (unit) commander. 7. When enemy submarines are being neutralized or enemy ships and boats tracked, the duration of the patrol will be four hours. 8. Special orders may assign two airplanes to each patrol line.			

2. Direct antisubmarine escort

TYPE OF DISPOSITION	Disposition 1	Disposition 2	Disposition 3
NUMBER OF AIRPLANES OPERATING AT ONE TIME	One attack plane	Two attack planes	Four attack planes
DIAGRAM OF MOVEMENTS	Base course	Base course	Base course
OUTLINE OF PATROL OPERATIONS	1. Duration of one patrol will be approximately three hours, relief will be made at a designated position. 2. Standard altitude will be 300-500 m. 3. The airplane (unit) commander may so reduce his range from the ship (or ships) being directly escorted that he will be within sight when visibility is reduced. 4. The movements indicated in the diagrams will be based on the ship (ships). 5. When enemy submarines are discovered, they will be attacked and neutralized. At the same time the prescribed report will be sent to lead the direct escort destroyers to the spot.		

(TN Translation of conventional signs and abbreviations.)

Y Airplane m Meters

(TN Exact tracing from the original document.)

NOTE: 61-536 USF-74 (Revised) March 1941 - Intermediate Air Patrol is defined as "protection against enemy submarines, preventing them from gaining a favorable attack position 2-3 plane units search 30 degree sectors. 60 degree either side of base course (4 x 3 aircraft) The depth of the search was 40 miles out & flown at no greater height than 2500 feet

Page
7/179

4. High altitude direct escort

TYPE OF DISPOSITION	Disposition 1	Disposition 2	Disposition 3	Disposition 4
NUMBER OF AIRPLANES OPERATING AT ONE TIME	Three fighter planes	Six fighter planes	Nine fighter planes	All fighter planes
STANDARD ALTITUDE	4,000 m	Lower level: 3,000 m Upper level: 4,000 m	Lower level: 3,000 m Middle level: 4,000 m Upper level: 5,000 m	(By special order)
OUTLINE OF OPERATIONS	1. Duration of one patrol will be two hours. The succeeding patrol will automatically be the first group (or by special orders, the second group) of aborted airplanes. 2. Relief of each patrol will be at assigned positions. 3. Security area: generally within the limits of the whole field of vision over the ship (or group of ships) being directly escorted. 4. As a basic rule, the ship command of the high altitude escort unit will be aboard the carrier. Exceptions will require a special order. 5. The high altitude direct escort unit will patrol in fighter unit formation. 6. The commanding officer may alter the altitude to suit the ceiling and field of vision.			

USF 74 (Revised) which will establish two types of "Carrier Battle" (Call CAP) to destroy enemy attack - patrol of 4-6 F-4's. If enemy bombing attacks are anticipated, it may be necessary to station the above number of planes available in one patrol. Always on direct patrol to report enemy aircraft in target area. These are the patrol to carrying their mission. These have been discussed previously.

5-539

SR/246/201