

COURSE DETAILS		KDU TERM- II		
STATUS(COURSE TYPE)	:	EX,LOG,NPM,PRO		
COURSE TITLE	:	NAVAL COMMUNICATION – II		
TIME DURATION	:	Theory	42 Hrs	56 Periods
LEARNING OUTCOMES	:			
At the end of the session the trainee will possess a fair knowledge on information and electronic warfare, sound knowledge on naval ceremonials, Trainee will use communication equipment properly and encrypt/ decrypt classified documents correctly.				
CONTENTS:				
<u>PERIOD</u>		<u>TOPIC</u>		
01 - 02		<u>Access to classified information</u> – Restriction of access, Approval of ‘need to know’, authority to open envelopes, Types of classified books and documents, Charged books of top secret, Secret and confidential, Books of reference, Charged documents, Registering of charged documents, Issue of top secret charged documents.		
03 - 04		<u>The charged system</u> - Items to be taken on charge, Maintenance of the register and custody, Procedure on receipt of CB, Logs to be maintained. Duties of DASLN. <u>Musters</u> – Muster of loose leaf accountable publications, Mustering of signal publications, Arrangements for musters, custody of classified documents and keys of safe and steel cupboards.		
05 - 06		<u>Losses</u> – Loss of cryptography materials and signal publications, Report of loss by signal, Report of loss by letter, Loss of keys, Destruction in an emergency.		
07 - 09		Introduction to HELEX, LANEX and SINHALE, Practical on encryption and decryption.		
10 - 11		<u>SLNCP 1</u> – The radio organization of SLN, Sailing orders and movements of SLN ships / craft, Sailing authorities, Ship sail, Proceeding signals, Securing signals.		
12 - 14		Position reports, General messages – SLN, Geographical sea areas of responsibility, Change of operational control, Signal for CHOP, Weather messages, Distress messages – SLN.		

15 - 16	<u>Ceremonials</u> - Occasion when national flag is worn by ships when underway ,flags flown by ships and establishments and ships in docks, occasion masthead pennant worn by others, occasion when ships ensign is flown other than prescribed hours, commissioning ceremony, Salutes between ships, Wearing of ensign in boats.
17 - 20	Piping the side origin, times for piping, personage to be side piped, order of reading flag hoist, Displaying of indicator plates, Saluting of standards and distinguishing flags, boat hails, Salutes and marks of respect when getting into or leaving a boat.
21-22	MINUTE GUNS (BR 2 ARTICLE 9504), Occasions and personnel entitled for gun salutes, Time of firing salutes, Flag hoisted during gun salutes, Logging salutes, Court-martial gun, Military honours, flag worn in service motor cars and star plates court martial procedure.
23 - 28	<u>Information warfare and Electronic warfare</u> a. Introduction EW, purpose, Concept and scope of EW, EW family tree (ESM, ECM, ECCM). b. Introduction of IW.
29 - 32	<u>ANSB</u> – Purpose, Contents of signals, Security warning, Arrangements of chapters, Encoding and decoding procedures.
33 - 34	Sense when action is signaled, Singular and plural, Completing a signal, Use of TACK line, Basic group, Suffixes, Sequence of data.
35 - 38	<u>Supplementing Signals.</u> a. Governing pennant. b. Governing groups. c. Call signs and unit indicators. d. Descriptive Signals e. Plain text. f. Operating signals. g. International code of signals. h. Table and list.

39 - 40	Units of reference, Fractions, Time and dates, Use of ANSWER, Omission of minutes, Flag TANGO as indicator, TANGO proceeding numbers, Signals governed by the same time signals.
41 - 42	Time zone indicators, Positions, Standard position indicators, Bearing and distance, Course and speed, Standard sectors, Decoding / encoding exercise.
43 - 44	<u>ATP – Chapter 1.</u> Principle definitions – Flotilla, Division, Task fleet, Task force, Task group, Task units, Task element, The guide, Formation guide, Line guide, Formation center, Axis, Formation axis, Screen axis, Disposition axis, Picket axis force.
45 - 46	<u>Chapter 2.</u> Task organization, Type organization, Ships sequence numbers, Change in sequence numbers, Support operations.
47 - 48	<u>Chapter 3.</u> Readiness to get underway, Preparing for getting underway, Preparing for sea, Getting underway, Swept channel, Harbour reference points, Zero hour, reporting time of arrival, Entry interval, Anchoring in formation, Ships as anchoring reference, Berth numbers.
49	<u>Chapter 4.</u> Method of expressing position, Standard positions, Course and speed, Speed while maneuvering, Speed flags, Position and intended movement (PIM).
50 - 51	Unit of distance, Distance between ship, Maneuvering intervals, Extended maneuvering interval, Tactical diameter, Standard and reduced tactical diameter. Designation of guide, Pivot ship and pivot column, Automatic change of guide, Adjusting station to assist visual signaling, method of stationing, True bearing / relative bearing exchanging stations when information, Units joining, Man overboard procedure, Break down at sea, Signals from disabled ship, darkening ship.
52 -53	<u>Chapter 6.</u> Single line formations, Multiple line formations, Formation 1 to 12, A to Z, Circular formation.
54 -56	<u>Chapter 7.</u> Altering course, Restrictions on wheeling in single column and single line abreast.

METHODS OF TRAINING AND LEARNING	:	Lectures, Readings, Listening, Demonstration, Discussions	
ASSESSMENT CRITERIA	:	Semester – end examination	100%
RECOMMENDED READING			
<p>Allied Communication Publication (ACP 121(E)). Royal Navy Communication publication (RNCP 3/9). Book of Reference (BR 150). Sri Lanka Navy Communication Publication (SLNCP 1). Allied Tactical Publication (ATP 1). Allied Naval Signal Book (ANSB). SLNO 01. SLNCP 4.</p>			