



**CTN CAREER PATH
(IDW/SW/AW/EXW)**



CTNs are Cryptologic Technician Network. The CTN rate consists of three technical disciplines which support Computer Network Operations: Computer Network Defense (CND), Computer Network Exploitation (CNE), and Computer Network Attack (CNA). Each discipline is equal in importance. Currently, 80% of CTN billets are Shore and 20% are Outus/Sea Billets. Sea Billets are primarily through Direct Support Missions or Fleet Staff IO Planners.

YEARS OF SERVICE	CAREER MILESTONES	AVERAGE TIME TO PROMOTE	COMMISSIONING OR OTHER SPECIAL PROGRAMS	SEA/SHORE FLOW	TYPICAL CAREER PATH DEVELOPMENT
26-30	CTNCM	20.6 Yrs	CMC	Not Defined	8 th CONUS/OCONUS Billets: CNO Planner, TECHAD, CMC, SEA, SEL. Duty: Navy Cyber Unit, NIOC, NCDOC, NCWDG, DEVGRU, Naval Special Warfare SEL, Fleet Staff.
23-26	CTNCM CTNCS CTNC	20.6 Yrs 16.3 12.8	CMC, CSC	Not Defined	7 th CONUS/OCONUS Billets: DIRSUP LCPO, CMC/CSC SEA, SEL, DEPT LCPO, CNO Planner, TECHAD, Detailer, JCAC Manager, CTN A School LCPO, Rate Training Lead. Duty: Navy Cyber Unit, NIOC, NCDOC, NCWDG, DEVGRU, Naval Special Warfare. Qualification: SEA.
20-23	CTNCM CTNCS CTNC	20.6 Yrs 16.3 12.8	CWO, CMC, CSC	Not Defined	6 th CONUS/OCONUS Billets: Fleet Staff, CNO or IO Planner, DEPT LCPO, CMC, SEA, SEL, TECHAD, JCAC Manager, Rating Detailer, Rate Training Lead, Exam Writer, CTN "A" School LCPO. Duty: Navy Cyber Unit, NIOC, NCDOC, NCWDG, DEVGRU, Naval Special Warfare. Qualification: SEA.
16-20	CTNCS CTNC CTN1	16.3 Yrs 12.8 7.6	CWO, CSC	Not Defined	5 th CONUS/OCONUS Billets: Fleet Staff, LCPO, CNO, IO Planner, SEL or LCPO, LPO, JCU and JCIE, TECHAD, JCAC Manager, Rating Detailer, Rate Training Lead, Exam Writer, CTN A School LCPO/LPO. Duty: Navy Cyber Unit, NIOC, NCDOC, NCWDG, DIRSUP, DEVGRU, Naval Special Warfare. Qualification: SEA.
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12-16	CTNC CTN1	12.8 Yrs 7.6	LDO, CWO, OCS, MECP	Not Defined	4 th CONUS/OCONUS Billets: Dept LCPO/LPO JCU and JCIE, Staff, Instructor, Joint Staff, Navy Staff. Duty: Navy Cyber Unit, NIOC, NCDOC, NCWDG, DIRSUP, DEVGRU, Naval Special Warfare. Qualification: STRATCOM Joint Network Attack Course (No NEC), Interactive Operator Training (NEC 9308).
8-12	CTNC CTN1 CTN2	12.8 Yrs 7.6 3.1		Not Defined	3 rd CONUS/OCONUS Billets: LCPO, LPO, JCU and JCIE, NEIC, Team Lead Network Operations, Interactive Operator, Instructor. Duty: Navy Cyber Unit, NIOC, NCDOC, NCWDG, DIRSUP, DEVGRU, Naval Special Warfare. Qualification: Instructor Training, Interactive Operator Training (NEC 9308), STRATCOM Joint Network Attack Course (NO NEC).
4-8	CTN1 CTN2 CTN3	7.6 Yrs 3.1 1.5	STA-21, OCS, MECP	Not Defined	2 nd CONUS/OCONUS Billets: Testing and Evaluation Engineer, CND, DNE, Interactive Operator, Interactive Operations, Forensic Analyst, LPO, Instructor, Staff. Duty: Navy Cyber Unit, NIOC, NCDOC, NCWDG, DIRSUP, DEVGRU, Naval Special Warfare, JCIE, NEIC. Qualification: Instructor Training or Interactive Operator Training (NEC 9308).
1-4	CTN2 CTN3	3.1 Yrs 1.5	Naval Academy, NROTC	Not Defined	1 st CONUS Billet: Watch Section Team Member, Interactive Operations, CND, DNE, or Forensic Analyst. Duty: NIOC, NCDOC, NCWDG. Qualification: Interactive Operator Training (NEC 9308).
1+/-	CTN3 CTNSN CTNSA Accession Training	9 Months			Recruit Training/Student CTN "A" School (Joint Cyber Analysis Course - JCAC).
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Notes:

1. Cryptologic Technician Networks perform a variety of duties associated with Computer Network Operations (CNO). The Navy's CNO forces work at the cutting edge of exploitation, attack, and defense of global information networks. A combination of technical and analytical computer network skills provide essential capabilities to successful Information Operations (IO) in support of National and Maritime operations.
2. The CTN Rating was established February 2004 and the first CTN selectees were rated October 1st 2004. To meet projected billet growth the CTN Rating continues to bring in approximately 35 conversions a year. Currently, all conversions require CTN "A" School (JCAC); however many "home grown/self taught" have been direct converted without CTN "A" School or attended our old CTN "A" school and Basic Digital Network Analysis pipeline (FY04-FY09).
3. Sea Shore Flow for CTNs is 1 CONUS/1 OCONUS for E5 and below, 2 CONUS/1 OCONUS for E6-E7 and 3 CONUS/1 OCONUS for E8-E9. Typically, CTNs will transfer between Navy Cyber Units (NCU), Navy Information Operation Command (NIOC), Navy Cyber Warfare Development Group (NCWDG), Naval Computer Defense Operations Center (NCDOC), SPECWAR and DIRSUP Commands. CONUS/OUTUS can be difficult to maintain due to heavy shore billet base, timing and operational priority of billets established.
4. CTNs are a core rating for the Information Dominance Corps and has the opportunity to qualify IDW. Also, CTNs on an operational shore tour or with SPECWAR, DEVGRU, Joint Communications Unit (JCU) and Joint Communications Integration Element (JCIE), Navy Expeditionary Intelligence Command (NEIC) may accrue extensive deployment days supporting GWOT missions and may have the opportunity to qualify EXWS.
5. CTN NECs have historically reflected progressive skill sets earned as one grows from an Apprentice, Journeyman, and to a Master level. NECs are: Interactive Operator (9308) and Joint Cyber Analysis Course "A" school (9325). CTN "A" school JCAC began Oct 2009. CTNs rated prior to attending initial JCAC course are 0000 and will not attend JCAC.
6. Interactive Operator (NEC 9308). Due to the length of training, CTNs with NEC 9308 are required to be assigned to two consecutive 9308 tours in the program (6 years). These tours are priority Operational shore tours. CTNs selected to complete these rigorous training pipelines are considered highly trained Network Analysts. This is a performance-based mission area and may not support traditional leadership opportunities.
7. Deference should be given to Sailors achieving and excelling within their Apprentice, Journeyman, Master level expectation; mentoring and developing Sailors, expanding mission areas, Staff assignments and/or directly performing in or supporting Direct Support "Blue Team", assignments with SPECWAR, DEVGRU, NEIC, JCU and JCIE.
8. Navy Cyber Unit teams are an extremely high priority, new mission set, that offers the most challenging and rewarding tours within the dynamic cyber warfare domain and represent the future of offensive and defensive cyber operations within the Department of Defense.