

CHAPTER 20



CRYPTOLOGIC TECHNICIAN (CT)

NAVPERS 18068-20B

CH-64

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NAVY ENLISTED OCCUPATIONAL STANDARD
FOR
CRYPTOLOGIC TECHNICIAN (INTERPRETIVE) (CTI)



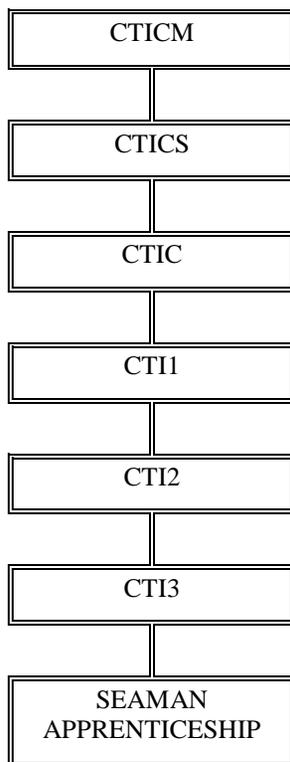
SCOPE OF RATING

Cryptologic Technicians (Interpretive) (CTI) conduct Signals Intelligence (SIGINT) and cyber operations in support of Information Warfare (IW) Operations using foreign language skills and advanced computer systems; collect, exploit, analyze, and report foreign language communications, digital network information, and signals of interest to identify, locate, and monitor worldwide threats; control and safeguard access to classified material and information systems; manage, transcribe, translate, and interpret foreign language materials; prepare time-sensitive tactical and strategic reports; and provide cultural and regional guidance in support of Joint, Fleet (special operations, air, surface, and subsurface), national, and multi-national consumers and decision makers.

This Occupational Standard is to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 20.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For additional rating entry requirements, refer to MILPERSMAN 1306-618.

Defense Language Proficiency Test (DLPT) Requirements. Commencing with the September 2015 advancement cycle, all candidates competing for paygrades E-4 (CTI3) through E-9 (CTICM) must achieve, at least once per paygrade, a DLPT score of L2/R2 in the language that reflects their primary duty as determined by the member's commanding officer. Minimum proficiency of L2/R2 must be attained once in the current paygrade prior to being eligible for the next higher paygrade.

Commencing with the September 2017 advancement cycle, all candidates competing for paygrades E-4 (CTI3) through E-9 (CTICM) must achieve a current DLPT score of L2/R2 in the language that reflects their primary duty as determined by the member's commanding officer. Minimum proficiency of L2/R2 must be attained in order to be eligible for the next higher paygrade.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title

Language Analyst Operator

Job Code

001022

Job Family

Arts, Design, Entertainment, Sports, and Media

NOC

TBD

Short Title (30 Characters)

LANGUAGE ANALYST OPERATOR

Short Title (14 Characters)

LANG ANLST OPR

Pay Plan

Enlisted

Career Field

CTI

Other Relationships and Rules

NEC 8201, 8295, 8296, 9134, 9XXX (All language NECs)

Job Description

Language Analyst Operators utilize signals collection equipment, systems, and software to identify, collect, and geolocate target communications; gist, translate, transcribe, and analyze target foreign language communications; advise leadership on cultural and regional factors that impact mission operations; draft Signals Intelligence (SIGINT) reports; maintain cryptologic databases; and perform target development while protecting sensitive methods and sources.

DoD Relationship

O*NET Relationship

Group Title

Analysis

DoD Code

123200

Occupation Title

Interpreters and Translators

SOC Code

27-3091.00

Job Family

Arts, Design, Entertainment, Sports, and Media

Skills

Critical Thinking
Coordination
Learning Strategies
Judgment and Decision Making
Reading Comprehension
Speaking
Active Learning
Complex Problem Solving
Equipment Selection
Operations Analysis

Abilities

Information Ordering
Deductive Reasoning
Memorization
Inductive Reasoning
Oral Expression
Perceptual Speed
Written Comprehension
Written Expression
Spatial Orientation
Speech Clarity

COLLECTION OPERATIONS

Paygrade

Task Type

Task Statements

E5	NON-CORE	Coordinate mission operations
E4	CORE	Exploit Signals Of Interest (SOI)
E4	NON-CORE	Identify collection shortfalls
E4	NON-CORE	Identify collection sources and techniques
E4	CORE	Identify communication systems characteristics
E4	CORE	Identify digital network communications characteristics
E4	CORE	Identify selector tasking and detasking steps
E4	CORE	Identify signals fundamentals and radiowave theory
E4	CORE	Identify telephony characteristics
E4	CORE	Operate collection systems
E4	CORE	Perform geolocation and direction finding
E4	CORE	Provide Indications and Warnings (I&W) support

INTELLIGENCE DISSEMINATION

Paygrade

Task Type

Task Statements

E4	CORE	Brief intelligence information
E4	CORE	Communicate technical information with other analysts

E4	CORE	Draft Signals Intelligence (SIGINT) reports
E4	NON-CORE	Identify information flow within the intelligence cycle
E4	CORE	Identify reporting criteria
E4	CORE	Report Critical Intelligence Communications (CRITIC) information
E4	CORE	Report Essential Elements of Information (EEI)
E4	CORE	Report potential threats

LANGUAGE ANALYSIS AND PROCESSING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Advise leadership on cultural and regional factors that impact mission operations
E4	NON-CORE	Operate language processing tools
E4	CORE	Process target language material at the minimum Interagency Language Roundtable (ILR) Level 2
E4	CORE	Transcribe foreign language materials at minimum Interagency Language Roundtable (ILR) Level 2

SECURITY AND ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Control restricted area access
E4	NON-CORE	Identify basic information about the US Signals Intelligence (SIGINT) system
E4	NON-CORE	Identify Information Assurance (IA) fundamentals
E4	NON-CORE	Identify Information Security (INFOSEC) fundamentals
E4	NON-CORE	Identify Intelligence Oversight (IO) fundamentals
E4	CORE	Implement Emergency Action Plans (EAP)
E4	CORE	Maintain classified material
E4	CORE	Transport classified material

TARGET DEVELOPMENT AND EXPLOITATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Access target technical information
E4	CORE	Identify communication network topography
E5	CORE	Maintain Common Operational Picture (COP)
E4	CORE	Maintain technical databases
E4	NON-CORE	Monitor Common Operational Picture (COP)
E4	NON-CORE	Operate software based analysis tools
E4	CORE	Perform content analysis
E4	CORE	Perform fusion analysis
E4	CORE	Perform metadata analysis
E5	CORE	Perform network mapping

Job Title

Language Analyst Supervisor

Job Code

001027

Job Family

Arts, Design, Entertainment, Sports, and Media

NOC

TBD

Short Title (30 Characters)

LANGUAGE ANALYST SUPERVISOR

Short Title (14 Characters)

LANGUAGE SUPV

Pay Plan

Enlisted

Career Field

CTI

Other Relationships and Rules

NEC 8201, 8296, 9134, 9XXX (All language NECs)

Job Description

Language Analyst Supervisors coordinate exploitation, analysis, processing, and reporting of target foreign language communications; process intermediate to advanced foreign language communications; supervise collection management operations; analyze target communications infrastructure; advise leadership on cultural and regional factors that impact mission operations; implement CTI rating programs and policies; and manage classified information and security procedures.

DoD Relationship

Group Title
Analysis

DoD Code
123200

O*NET Relationship

Occupation Title
Interpreters and Translators

SOC Code
27-3091.00

Job Family
Arts, Design, Entertainment, Sports, and Media

Skills

Critical Thinking
Judgment and Decision Making
Coordination
Learning Strategies
Monitoring
Reading Comprehension
Operations Analysis
Complex Problem Solving
Operation Monitoring
Speaking

Abilities

Information Ordering
Deductive Reasoning
Inductive Reasoning
Memorization
Written Expression
Oral Expression
Problem Sensitivity
Time Sharing
Written Comprehension
Perceptual Speed

COLLECTION OPERATIONS

Paygrade

Task Type

Task Statements

E5	CORE	Assess collection shortfalls
E5	NON-CORE	Coordinate mission operations
E4	CORE	Exploit Signals Of Interest (SOI)
E6	CORE	Identify collection requirements
E4	NON-CORE	Identify collection shortfalls
E4	NON-CORE	Identify collection sources and techniques
E4	CORE	Identify communication systems characteristics
E4	CORE	Identify digital network communications characteristics
E4	CORE	Identify selector tasking and detasking steps
E4	CORE	Identify signals fundamentals and radiowave theory
E4	CORE	Identify telephony characteristics
E6	CORE	Implement Cryptologic Coverage Plans (CCP)
E4	CORE	Operate collection systems
E4	CORE	Perform geolocation and direction finding
E4	CORE	Provide Indications and Warnings (I&W) support
E6	CORE	Recommend corrective actions for collection anomalies
E6	CORE	Supervise mission operations

INTELLIGENCE DISSEMINATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Brief intelligence information
E4	CORE	Communicate technical information with other analysts
E6	CORE	Coordinate special dissemination controls
E5	CORE	Disseminate Critical Intelligence Communications (CRITIC) messages
E4	CORE	Draft Signals Intelligence (SIGINT) reports
E5	CORE	Identify appropriate Signals Intelligence (SIGINT) dissemination mechanisms
E4	NON-CORE	Identify information flow within the intelligence cycle
E4	CORE	Identify reporting criteria
E5	CORE	Identify special dissemination controls
E6	CORE	Implement command Critical Intelligence Communications (CRITIC) reporting programs
E7	CORE	Manage command Critical Intelligence Communications (CRITIC) reporting programs
E6	CORE	Manage Signals Intelligence (SIGINT) reporting
E5	CORE	Perform Signals Intelligence (SIGINT) report Quality Assurance (QA) checks
E5	CORE	Release Signals Intelligence (SIGINT) reports
E4	CORE	Report Critical Intelligence Communications (CRITIC) information
E4	CORE	Report Essential Elements of Information (EEI)
E4	CORE	Report potential threats

LANGUAGE ANALYSIS AND PROCESSING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Advise leadership on cultural and regional factors that impact mission operations
E5	CORE	Conduct trend/pattern of life analysis
E6	NON-CORE	Develop language instructional materials
E4	NON-CORE	Operate language processing tools
E6	CORE	Perform Quality Assurance (QA) of language products at the minimum Interagency Language Roundtable (ILR) Level 2+
E5	CORE	Prioritize collected data processing
E4	CORE	Process target language material at the minimum Interagency Language Roundtable (ILR) Level 2
E6	CORE	Process target language material at the minimum Interagency Language Roundtable (ILR) Level 2+
E6	CORE	Provide technical language instruction
E4	CORE	Transcribe foreign language materials at minimum Interagency Language Roundtable (ILR) Level 2

SECURITY AND ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Control restricted area access
E6	CORE	Coordinate language training
E6	CORE	Coordinate mission qualification processes
E6	CORE	Coordinate personnel augmentation
E6	CORE	Enforce Intelligence Oversight (IO) policies
E4	NON-CORE	Identify basic information about the US Signals Intelligence (SIGINT) system
E4	NON-CORE	Identify Information Assurance (IA) fundamentals
E4	NON-CORE	Identify Information Security (INFOSEC) fundamentals
E4	NON-CORE	Identify Intelligence Oversight (IO) fundamentals
E5	NON-CORE	Identify mission training shortfalls
E4	CORE	Implement Emergency Action Plans (EAP)
E4	CORE	Maintain classified material
E4	CORE	Transport classified material

TARGET DEVELOPMENT AND EXPLOITATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Access target technical information
E5	CORE	Determine threat envelopes
E6	CORE	Develop target packages
E5	CORE	Develop target specific working aids
E4	CORE	Identify communication network topography
E5	CORE	Identify regional and cultural factors that influence target development
E5	CORE	Maintain Common Operational Picture (COP)
E4	CORE	Maintain technical databases
E5	CORE	Manage technical databases
E4	NON-CORE	Monitor Common Operational Picture (COP)
E4	NON-CORE	Operate software based analysis tools
E4	CORE	Perform content analysis
E4	CORE	Perform fusion analysis
E4	CORE	Perform metadata analysis
E5	CORE	Perform network mapping
E6	CORE	Supervise analysis of target activities
E5	CORE	Validate Signals Intelligence (SIGINT) support packages

Job Title

Master Language Analyst

Job Code

002683

Job Family

Arts, Design, Entertainment, Sports, and Media

NOC

TBD

Short Title (30 Characters)

MASTER LANGUAGE ANALYST

Short Title (14 Characters)

MSTR LANG ALST

Pay Plan

Enlisted

Career Field

CTI

Other Relationships and Rules

Not applicable, based upon the NEC assigned to the job

Job Description

Master Language Analysts lead mission operations and direct the exploitation, analysis, processing, and reporting of target foreign language communications; process advanced foreign language communications; manage Command Foreign Language Programs; develop and manage training and qualification programs; and advise leadership on cultural and regional factors that impact mission operations.

DoD Relationship

Group Title

Analysis

DoD Code

123200

O*NET Relationship

Occupation Title

Interpreters and Translators

SOC Code

27-3091.00

Job Family

Arts, Design, Entertainment, Sports, and Media

Skills

Critical Thinking
Coordination
Judgment and Decision Making
Learning Strategies
Monitoring
Operation Monitoring
Reading Comprehension
Complex Problem Solving
Instructing
Operations Analysis

Abilities

Deductive Reasoning
Information Ordering
Inductive Reasoning
Memorization
Written Expression
Oral Expression
Time Sharing
Speed of Closure
Problem Sensitivity
Written Comprehension

COLLECTION OPERATIONS

Paygrade

Task Type

Task Statements

E7	CORE	Adjust collection shortfall postures
E5	CORE	Assess collection shortfalls
E7	CORE	Develop Cryptologic Coverage Plans (CCP)
E7	CORE	Direct mission operations
E4	CORE	Exploit Signals Of Interest (SOI)
E6	CORE	Identify collection requirements
E4	NON-CORE	Identify collection shortfalls
E4	NON-CORE	Identify collection sources and techniques
E4	CORE	Identify communication systems characteristics
E4	CORE	Identify digital network communications characteristics
E4	CORE	Identify selector tasking and detasking steps
E4	CORE	Identify signals fundamentals and radiowave theory
E4	CORE	Identify telephony characteristics
E6	CORE	Implement Cryptologic Coverage Plans (CCP)
E4	CORE	Operate collection systems
E4	CORE	Perform geolocation and direction finding
E4	CORE	Provide Indications and Warnings (I&W) support
E6	CORE	Recommend corrective actions for collection anomalies

E6 CORE Supervise mission operations

INTELLIGENCE DISSEMINATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Brief intelligence information
E4	CORE	Communicate technical information with other analysts
E6	CORE	Coordinate special dissemination controls
E5	CORE	Disseminate Critical Intelligence Communications (CRITIC) messages
E4	CORE	Draft Signals Intelligence (SIGINT) reports
E5	CORE	Identify appropriate Signals Intelligence (SIGINT) dissemination mechanisms
E4	NON-CORE	Identify information flow within the intelligence cycle
E4	CORE	Identify reporting criteria
E5	CORE	Identify special dissemination controls
E7	CORE	Manage command Critical Intelligence Communications (CRITIC) reporting programs
E6	CORE	Manage Signals Intelligence (SIGINT) reporting
E5	CORE	Perform Signals Intelligence (SIGINT) report Quality Assurance (QA) checks
E5	CORE	Release Signals Intelligence (SIGINT) reports
E4	CORE	Report Critical Intelligence Communications (CRITIC) information
E4	CORE	Report Essential Elements of Information (EEI)
E4	CORE	Report potential threats

LANGUAGE ANALYSIS AND PROCESSING

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	NON-CORE	Advise leadership on cultural and regional factors that impact mission operations
E5	CORE	Conduct trend/pattern of life analysis
E6	NON-CORE	Develop language instructional materials
E4	NON-CORE	Operate language processing tools
E5	CORE	Prioritize collected data processing
E6	CORE	Perform Quality Assurance (QA) of language products at the minimum Interagency Language Roundtable (ILR) Level 2+
E7	CORE	Perform Quality Assurance (QA) of language products at the minimum Interagency Language Roundtable (ILR) Level 3
E4	CORE	Process target language material at the minimum Interagency Language Roundtable (ILR) Level 2
E6	CORE	Process target language material at the minimum Interagency Language Roundtable (ILR) Level 2+
E7	CORE	Process target language material at the minimum Interagency Language Roundtable (ILR) Level 3
E6	CORE	Provide technical language instruction
E4	CORE	Transcribe foreign language materials at minimum Interagency Language Roundtable (ILR) Level 2

SECURITY AND ADMINISTRATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Control restricted area access
E6	CORE	Coordinate language training
E6	CORE	Enforce Intelligence Oversight (IO) policies
E4	NON-CORE	Identify basic information about the US Signals Intelligence (SIGINT) system
E4	NON-CORE	Identify Information Assurance (IA) fundamentals
E4	NON-CORE	Identify Information Security (INFOSEC) fundamentals
E4	NON-CORE	Identify Intelligence Oversight (IO) fundamentals
E5	NON-CORE	Identify mission training shortfalls
E4	CORE	Implement Emergency Action Plans (EAP)
E4	CORE	Maintain classified material
E7	CORE	Manage language training requirements
E7	CORE	Manage operational qualification processes
E7	CORE	Manage personnel augmentation
E4	CORE	Transport classified material

TARGET DEVELOPMENT AND EXPLOITATION

<u>Paygrade</u>	<u>Task Type</u>	<u>Task Statements</u>
E4	CORE	Access target technical information
E5	CORE	Determine threat envelopes
E6	CORE	Develop target packages
E5	CORE	Develop target specific working aids
E4	CORE	Identify communication network topography
E5	CORE	Identify regional and cultural factors that influence target development
E5	CORE	Maintain Common Operational Picture (COP)
E5	CORE	Manage technical databases
E4	NON-CORE	Monitor Common Operational Picture (COP)
E4	NON-CORE	Operate software based analysis tools
E4	CORE	Perform content analysis
E4	CORE	Perform fusion analysis
E4	CORE	Perform metadata analysis
E5	CORE	Perform network mapping
E6	CORE	Supervise analysis of target activities
E5	CORE	Validate Signals Intelligence (SIGINT) support packages