2024-2025 Professional Knowledge Midshipmen Qualification Standards

4/C MIDSHIPMEN QUALIFICATION STANDARDS

Reference: Professional Knowledge Book (Pro-Book)

Purpose of MQS: To establish and meet the learning objectives (LO) for 4/C Pro-Quizzes, Pro-Exams, and Professional Competency Boards (PCB).

Schedule of MQS: 4/C MIDN will complete the required MQS signatures for the Chapter they will be tested on that week or two week period in accordance with the Professional Knowledge Training Schedule at the beginning of this book.

Signature Authorities: Each LO identifies a specific signature authority who is <u>either a subject</u> <u>matter expert (SME) or a midshipman in the chain of command (CoC)</u>. By signing off a LO, <u>the signature authority is affirming</u> that the midshipman receiving the signature <u>has demonstrated</u> the requisite knowledge. The signature authority shall fill out all required information (typed/printed name, alpha, signature, and date) or, if a SME desires, they may print/sign/date a roster that each midshipman can include in their MQS. Each midshipman is responsible for achieving applicable LOs prior to a quiz/exam/board/assessment.

- Chain of Command (CoC)
 - CoC involvement is critical to the success of MQS. Mentorship requires the intentional personal engagement to meet the appropriate level of knowledge, comprehension, application, and discussion of professional material.
 - o 4/C midshipmen shall receive signatures from 3/2/1/C midshipmen in their CoC.
- Subject Matter Experts (SME)
 - o Based on their billet and/or experience, only certain individuals are equipped to provide signatures for specific learning objectives.
 - o SMEs are signature authorities for any item in their respective area.

A current list of community/service SMEs is available on the Training Department website.

Definition of Terms:

Know: Recall facts, bring to mind, and recognize the appropriate material.

Comprehend: Interpret principles and concepts and relate them to new situations.

Apply: Utilize knowledge and comprehension of specific facts in new relationships with other facts, theories, and principles.

Demonstrate: Show evidence of ability to perform a task.

Read: Look at and comprehend the meaning of printed material.

Discuss: Consciously identify content and their fleet applications, weigh logical and persuasive effects, critically evaluate unstated assumptions and biases, and talk about them with another person.

CHAPTER 1: USNA NOTABLE GRADUATES & FIRST LINK ASSIGNMENT

4/C MQS 1. Know graduation year and position/title held by Chester W. Nimitz. Print Name (CoC) Alpha Signature Date 2. Know graduation year and position/title held by Alan B. Shepard, Jr. Print Name (CoC) Signature Alpha Date 3. Know graduation year and position/title held by James Earl "Jimmy" Carter. Print Name (CoC) Alpha Signature Date 4. Know graduation year and position/title held by James B. Stockdale. Print Name (CoC) Alpha Signature Date 5. Know graduation year and position/title held by H. Ross Perot. Print Name (CoC) Alpha Signature Date 6. Know graduation year and position/title held by John McCain. Print Name (CoC) Date Alpha Signature 7. Know graduation year and position/title held by Roger Staubach. Print Name (CoC) Signature Alpha Date 8. Know graduation year and position/title held by Major General Charles Bolden. Print Name (CoC) Alpha Signature Date 9. Know graduation year and position/title held by Wendy Lawrence.

Alpha

Signature

Date

Print Name (CoC)

10. Know graduation year	and position/title	held by Michelle Howard	l.
Print Name (CoC)	Alpha	Signature	Date
11. Know graduation year	and position/title	e held by David Robinson.	
Print Name (CoC)	Alpha	Signature	Date
12. Know graduation year	and position/title	e held by Erik Kristensen.	
Print Name (CoC)	Alpha	Signature	Date
13. Know graduation year	and position/title	e held by the notable gradu	ate selected by your Squad Leader.
Print Name (CoC)	Alpha	Signature	Date
14. Understand the other s knowledge of those listed.	ignificant accom	plishments of USNA gradu	nates and have conversational
Print Name (CoC)	Alpha	Signature	 Date
15. Know graduation year	and summary of	military service of assigne	ed hero from Memorial Hall.
Print Name (CoC)	Alpha	Signature	Date

CHAPTER 2: U.S. NAVY PERSONNEL

4/C MQS

1. Know the differences between	en URL, RI	L, and SC Officers.	
Print Name (CoC)	Alpha	Signature	Date
2. Know the Restricted Line c	ommunities	and their roles.	
Print Name (CoC)	Alpha	Signature	Date
3. Know the five Staff Corps	communitie	s and their roles.	
Print Name (CoC)	Alpha	Signature	Date
4. Know the purpose of the Li and who competes for these co	-	Officer (LDO) and Chief Warran	nt Officer (CWO) programs
Print Name (CoC)	Alpha	Signature	Date
5. Know the difference between	en a paygrad	de, a rating, and a rate.	
Print Name (CoC)	Alpha	Signature	Date
6. Know the common ratings	by name and	d abbreviation in this chapter.	
Print Name (CoC)	Alpha	Signature	Date
7. Know the roles of a Petty C (CMC).	Officer (PO)	, a Chief Petty Officer (CPO), and	d a Command Master Chief
Print Name (SME - Enlisted)	\overline{S}	ignature D	Pate
8. Know and be able to identify	fy by unifor	m insignia the Navy enlisted rank	ζS
Print Name (CoC)	Alpha	Signature	Date

Print Name (CoC)	Alpha	Signature	Date
1. Know the mission of the	ne Navy and comp	4/C MQS orehend the Navy ethos.	
CHAPTER 3: MISSI		OINT ENVIRONMENT	PERATIONS, STRATEGY,
Print Name (CoC)	Alpha	Signature	Date
15. Know the role of the	Civil Engineer Co	orps community.	
Print Name (CoC)	Alpha	Signature	Date
Print Name (CoC) 14. Know the three network	Alpha ork domains used	Signature in the Navy and know their a	Date associated classification levels.
13. Know the four IWC e			
Print Name (CoC)	Alpha	Signature	Date
12. Know the four IWC o	officer communitie	es.	
Print Name (CoC)	Alpha	Signature	Date
11. Know the three core of	capabilities of the	Information Warfare Comm	unity (IWC):
Print Name (CoC)	Alpha	Signature	Date
10. Know the role of the	Engineering Duty	Officer (EDO) community:	
Print Name (CoC)	Alpha	Signature	Date
9. Understand the NEC sy	ystem and know ti	ile five types of TVLC codes.	

2. Understand the Nation Council.	al Security Act of	1947 and know the members	ers of the National Security
Print Name (CoC)	Alpha	Signature	Date
3. Know the responsibility	ties of the SECNA	V, CNO, and CMC.	
Print Name (CoC)	Alpha	Signature	Date
4. Know the Administrat	ive and Operationa	al Chains of Command.	
Print Name (CoC)	Alpha	Signature	Date
5. Know the Geographic	and Functional Ur	nified Combatant Comman	ds and their AORs.
Print Name (CoC)	Alpha	Signature	Date
6. Know the numbered F supports.	leet Commanders,	their HQ locations, and th	e Combatant Commander each
Print Name (CoC)	Alpha	Signature	 Date
7. Know the Navy's Ope	rational Mission A	reas.	
Print Name (CoC)	Alpha	Signature	Date
8. Comprehend the Natio	onal Security Strate	egy's three key priorities.	
Print Name (CoC)	Alpha	Signature	Date
9. Understand the Design of effort and four Navy C	•	Maritime Superiority conce	ept and know the CNO's three focus
Print Name (CoC)	Alpha	Signature	Date

CHAPTER 4: SURFACE WARFARE

4/C MQS 1. Know the mission of Surface Warfare. Print Name (CoC) Alpha Signature Date 2. Know the different operations and unique capabilities the surface fleet is capable of conducting. Print Name (CoC) Alpha Signature Date 3. Know the insignia worn by Surface Warfare Officers and its background. Print Name (CoC) Alpha Signature Date 4. Know the visual identification, mission, major weapons/weapons systems, aircraft, and crew size of U.S. Navy ship classes: a. CG-47 Ticonderoga Class b. DDG-51 Arleigh Burke Class (To include Flt I / II / IIA / III) c. DDG 1000 Zumwalt Class d. LCS Class (Both Independence and Freedom Classes) e. MCM-1 Avenger Class f. LSD-41 Whidbey Island Class g. LSD-49 Harpers Ferry Class h. LPD-17 San Antonio Class LHD-1 Wasp Class j. LHA-6 America Class k. LCU LCAC Date Print Name (CoC) Alpha Signature 5. Know how the following events influenced surface warfare: a. American Revolution b. Civil War c. Pre-World War Era d. WWI e. WWII f. Cold War Print Name (CoC) Alpha Signature Date

g. Operation Odyss	ey Dawn		
d. WWI e. WWII f. Cold War			
a. American Revob. Civil War	lution	ed submarme design and c	apaomiy.
Print Name (CoC) S. Know how the follow	Alpha	Signature sed submarine design and c	Date
<u>-</u>	<u> </u>	and the significance of the	
Print Name (CoC)	Alpha	Signature	Date
1. Know the mission of	Submarine Warfare	2.	
	CHAPTER	4/C MQS	ARE
, ,	-	5: UNDERSEA WARI	FARE
Print Name (CoC)	Alpha	Signature	 Date
9. Demonstrate knowled	ge of the Surface V	Varfare Officer (Nuclear) c	community.
Print Name (CoC)	Alpha	Signature	Date
3. Demonstrate knowled	ge of future advance	ces in Surface Warfare.	
Print Name (CoC)	Alpha	Signature	Date
7. Understand the basic	Rates on convention	onal surface ships.	
7 Understand the Design			

4. Know the visual ident of U.S. Navy submarines			s, specific capabilities, and crew si
Print Name (CoC)	Alpha	Signature	 Date
5. Know the advantages submarines.	of nuclear powered	d submarines compared to	conventionally powered
Print Name (CoC)	Alpha	Signature	Date
СНА	PTER 6: THE	UNITED STATES MA	RINE CORPS
		4/C MQS	
1. Comprehend the miss	ion of the U.S. Ma	rine Corps.	
Print Name (CoC)	Alpha	Signature	Date
2. Know the elements an	nd organization of t	he MAGTF, MEF, MEB,	MEU, and SPMAGTF.
Print Name (CoC)	Alpha	Signature	Date
3. Know the origin of the	e birth of the U.S.	Marine Corps.	
Print Name (CoC)	Alpha	Signature	Date
4. Know the historical si	gnificance of the e	arly traditions of the Marin	ne Corps.
Print Name (CoC)	Alpha	Signature	Date
5. Understand the Core V	Values of the Com	nandant's Planning Guida	nce.
Print Name (CoC)	Alpha	Signature	Date
6. Understand the various	s USMC Military (Occupational Specialties (N	MOS).
Print Name (CoC)	Alpha	Signature	 Date

	features of and be	able to identify the aviation	on platforms of the U.S. Marine
Corps. a. AH-1Z b. UH-1Y c. CH-53E d. MV-22		e. F/A-18 f. F-35B g. KC-130J h. MQ-9A	
Print Name (CoC)	Alpha	Signature	 Date
	CHAPTER '	7: NAVAL AIR WARI	FARE
		4/C MQS	
1. Understand the differe	nt Naval Aviation	operations.	
Print Name (CoC)	Alpha	Signature	Date
	eons, and Profession		Flight Officers (NFO), Naval Officers and identify their
Print Name (CoC)	Alpha	Signature	Date
	Naval Aviator to saircraft carrier	n. Specifically know the for successfully take off from a	
Print Name (CoC)	Alpha	Signature	Date
4. Comprehend the comp	onents of aircraft	designations.	
Print Name (CoC)	Alpha	Signature	 Date

5. Be able to identify the f	ollowing U.S. Na	avy aircraft carriers and airc	raft designation/name and their	r
<u> </u>	•	ew composition, and respon	•	
a. CVN-68 Nimitz	-	•		
b. CVN-78 Ford Cla	ass			
c. F/A-18E/F Super	Hornet			
d. EA-18G Growler				
e. F-35C Lightning				
f. E-2D Hawkeye				
	l			
g. C-2A Greyhound h. P-8A Poseidon	L			
i. MQ-4C Triton				
j. E-6B Mercury k. MH-60R 'Romed	,			
l. MH-60S 'Sierra'	_			
m. MH-53E Sea Dra	-			
n. MQ-8B and MQ-				
o. CMV-22B Ospre	y			
Print Name (CoC)	Alpha	Signature	Date	
1. Know the mission sets a	and capabilities a	4/C MQS s well as the limitations of I	NSW.	
Print Name (CoC)	Alpha	Signature	Date	
2. Understand the organization	ation and compos	ition of SEAL teams.		
Print Name (CoC)	Alpha	Signature	Date	
e. Mobile Diving andf. EOD Shore Detach	Forces (NAVSO) the Counter Measure Platoons ves Exploitation I Salvage (MDS) mments	F & SOF) Support ares (ExMCM) Cell (CEXC) Platoons Companies		
Print Name (CoC)	Alpha	Signature	Date	

Print Name (CoC)	Alpha	Signature	Date
5. Know the historical re Demolition Teams (UDT:			olition Units (NCDUs), Underw
Print Name (CoC)	Alpha	Signature	Date
6. Know what drove the	need for ordnance	disposal skills and the crea	ation of the EOD community.
Print Name (CoC)	Alpha	Signature	Date
7. Understand the organi	zation of Navy EC	DD.	
Print Name (CoC)	Alpha	Signature	
		4/C MQS	S - CHINA
1. Comprehend China's s	strategy for global	•	First and Second Island Chains'
	strategy for global Alpha	•	
Print Name (CoC)	Alpha	expansion, including the " Signature	First and Second Island Chains'
Print Name (CoC)	Alpha	expansion, including the " Signature	First and Second Island Chains' ————————————————————————————————————

k. Dong-Feng 21			
Print Name (CoC)	Alpha	Signature	Date
4. Know significant recent	events involving	g China's military.	
Print Name (CoC)	Alpha	Signature	Date
СНА	APTER 10: GI	LOBAL CHALLENGE	S - RUSSIA
1. Committee I Provide		4/C MQS	
			ng relationship with the U.S.
Print Name (CoC)	Alpha	Signature	Date
2. Understand recent Russi	an military actio	n and modernization effort	S.
Print Name (CoC)	Alpha	Signature	Date
3. Be familiar with Russia' a. Admiral Kuznetsov b. Sovremenny Class c. Admiral Grigorovic d. Borei Class Subma e. Yasen Class Subma f. Akula Class Subma g. Varshavyanka Clas h. SU-35 Flanker-E i. SS-N-26 Strobile j. SS-N-27 Sizzler	Class Aircraft (Destroyer ch Class Frigate rine arine arine		ving.
Print Name (CoC)	Alpha	Signature	Date
4. Know recent military in	teractions between	en the U.S. and Russia.	
Print Name (CoC)	Alpha	Signature	Date

CHAPTER 11: GLOBAL CHALLENGES – ROGUE STATES: NORTH KOREA & IRAN

4/C MQS 1. Comprehend North Korea's current national strategy, including development of its nuclear weapons program. Print Name (CoC) Alpha Signature Date 2. Understand North Korea's general military posture. Print Name (CoC) Alpha Signature Date 3. Know notable and recent North Korean military events. Alpha Print Name (CoC) Signature Date 4. Comprehend Iran's current national strategy, including its use of proxy groups. Print Name (CoC) Alpha Signature Date 5. Understand Iran's general military capabilities, including its Naval command structure. Print Name (CoC) Alpha Signature Date 6. Know notable and recent incidents involving Iran's military. Signature Print Name (CoC) Alpha Date CHAPTER 12: GLOBAL CHALLENGES – CYBER, SPACE, & TRANSNATIONAL **THREATS** 4/C MQS 1. Demonstrate knowledge of the Chinese and Russian cyber threat.

Signature

Date

Print Name (CoC)

Alpha

2. Define the space doma	nin.		
Print Name (CoC)	Alpha	Signature	Date
3. Demonstrate knowledge	ge of the benefits a	and threats to space operati	ions.
Print Name (CoC)	Alpha	Signature	Date
4. State the different miss	sions of space ope	rations.	
Print Name (CoC)	Alpha	Signature	Date
5. Understand the differe	ent types of orbits.		
Print Name (CoC)	Alpha	Signature	Date
6. Demonstrate knowledge	ge of the Chinese a	and Russian space threat.	
Print Name (CoC)	Alpha	Signature	Date
7. Understand the continu Qa'ida.	uing international	terrorist threat, including the	he continued efforts of ISIS and Al-
Print Name (CoC)	Alpha	Signature	 Date
8. Understand the national	al security implica	tions of mass population d	isplacement.
Print Name (CoC)	Alpha	Signature	Date

2024-2025 Professional Knowledge Midshipmen Qualification Standards

3/C MIDSHIPMEN QUALIFICATION STANDARDS

Reference: Professional Knowledge Book (Pro-Book)

Purpose of MQS: To establish and meet the learning objectives (LO) for Midshipman Professional Competency Assessments (PCA). For 3/C PCA, 3/C MQS must be complete for that semester's PCA. 3/C will also be responsible for the knowledge from 4/C Learning Objectives on the PCAs.

Schedule of MQS: 3/C MIDN will complete Chapters 1-6 during the Fall Semester and will take a test during the Fall PCA. They will complete Chapters 7-12 during the Spring Semester ahead of the Spring PCA. The Training Department will promulgate a separate PCA COMDTMIDNNOTE with detailed instructions on the administration of the PCA.

Signature Authorities: Each LO identifies a specific signature authority who is <u>either a subject</u> <u>matter expert (SME) or a midshipman in the chain of command (CoC)</u>. By signing off a LO, <u>the signature authority is affirming</u> that the midshipman receiving the signature <u>has demonstrated</u> the requisite knowledge. The signature authority shall fill out all required information (typed/printed name, alpha, signature, and date) or, if a SME desires, they may print/sign/date a roster that each midshipman can include in their MQS. Each midshipman is responsible for achieving applicable LOs prior to a quiz/exam/board/assessment.

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 - CoC involvement is critical to the success of MQS. Mentorship requires the intentional personal engagement to meet the appropriate level of knowledge, comprehension, application, and discussion of professional material.
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Read: Look at and comprehend the meaning of printed material.

Discuss: Consciously identify content and their fleet applications, weigh logical and persuasive effects, critically evaluate unstated assumptions and biases, and talk about them with another person.

CHAPTER 1: USNA NOTABLE GRADUATES & FIRST LINK ASSIGNMENT

N/A

CHAPTER 2: U.S. NAVY PERSONNEL

		3/C MQS	
1. Know the typical shipb	oard divisional ch	nain of command.	
Print Name (CoC)	Alpha	Signature	Date
2. Know the typical organ	ization of a Supp	ly Department on a small f	leet unit.
Print Name (CoC)	Alpha	Signature	Date
3. Know the primary tasksa. Culinary Specialisb. Logistics Specialisc. Retail Specialist (I	t (CS) st (LS)	e following ratings.	
Print Name (CoC)	Alpha	Signature	Date
4. Describe the basics of ea. Radio Frequency (b. Satellite Communc. Terrestrial Networ	RF) Communications	ing and how they are used tions	to support tactical unit
Print Name (CoC)	Alpha	Signature	Date
5. Know the definition of	Joint Intelligence	Preparation of the Operati	onal Environment (JIF
Print Name (CoC)	Alpha	Signature	Date
6. Know the three categor	izations of Cyber	space Operations.	
Print Name (CoC)	Alpha	Signature	Date

7. Know the three Levels	of Intelligence.		
Print Name (CoC)	Alpha	Signature	Date
CHAPTER 3: MISSIO		.S. NAVY: TACTICS, OINT ENVIRONMEN	OPERATIONS, STRATEGY,
		3/C MQS	
 Know the missions of the a. Department of the b. Department of the c. U.S. Coast Guard 	Army		
Print Name (CoC)	Alpha	Signature	Date
2. Comprehend the three lea. Strategicb. Operationalc. Tactical	evels of warfare.		
Print Name (CoC)	Alpha	Signature	Date
b. Know the roles and (OTC), the Compo	ynamic nature of d comprehend the osite Warfare Con	warfare at the tactical level relationships between the nmander (CWC), Warfare	
Print Name (CoC)	Alpha	Signature	Date
4. Know the six steps of the	ne Navy Planning	Process (NPP).	
Print Name (CoC)	Alpha	Signature	Date

CHAPTER 4: SURFACE WARFARE

3/C MQS

that carry the following wea a. Aegis Weapon Sys	apons and system tem and AN/SPY rsea Warfare/Ant wk Land Attack ip Mission Mode ose-in Weapon S aliber Gun ghtweight Hybri airframe Missile Sea Sparrow Mis	ns:. 7-1 Phased Array Radar ii-Submarine Warfare Cor Missile (TLAM) ules ystem (CIWS) d Torpedo – LHT) (RAM)	ation and U.S. Navy ship classes mbat System
Print Name (CoC)	Alpha	Signature	Date
2. Know and comprehend which Surface Warfare ship			stems, AEGIS and SSDS, and with
Print Name (CoC)	Alpha	Signature	Date
 3. Comprehend the general a. Commanding Office b. Executive Officer c. Command Master Officer d. Department Head e. Division Officer 	eer	of the following personne	l on Navy surface ships.
Print Name (CoC)	Alpha	Signature	Date
4. Comprehend the general underway watches:a. Tactical Action Offb. Officer of the Deckc. Engineering Office	ficer (TAO)	-	onship between the following

Signature

Date

Alpha

Print Name (CoC)

CHAPTER 5: UNDERSEA WARFARE

3/C MQS

1. Kno	ow the following subr	narine missions	and identify which platfor	rm is assigned each as their primary		
missio						
a.	Intelligence, Surveil		issance (ISR)			
b.	c. Striked. Anti-Submarine Warfare (ASW) and Anti-Surface Warfare (ASUW)					
c.						
d.						
e.	Mine Warfare					
f.	Counter-Drug Operation					
g.	Strategic Deterrence	e				
Print N	Jame (CoC)	Alpha	Signature	Date		
2. Kr	now the designation, r	name, purpose, a	and U.S. Navy submarine of	classes that carry the following		
weapo	ns or systems:					
a.		•	AP) Heavyweight Torped	0		
b.						
c.			d Ballistic Missile (SLBM			
d.	Dry Dock Shelter (I	DDS)				
Print N	Vame (CoC)	Alpha	Signature	Date		
3 Exr	olain the Junior Office	er at-sea watche	s including:			
a.	Engineering-Officer		•			
b.	Junior-Officer-of-th					
c.	Contact Manager / J	*				
d.	Officer-of-the-Deck		(
		,				
Print N	Vame (CoC)	Alpha	Signature	Date		
1 Vn	out the difference between	waan danlaymar	ut avalog on SSNg and SSC	INc. and the natrol evals on SCDMs		
4. KII	ow the difference bety	ween deploymer	it cycles on SSINS and SSC	GNs, and the patrol cycle on SSBNs.		
Print N	Jame (CoC)	Alpha	Signature	Date		

CHAPTER 6: NAVAL AIR WARFARE

3/C MQS

- 1. Know the designation, name, purpose, and U.S. Navy aviation platforms that carry the following weapons or systems:
 - a. AIM-9X Sidewinder
 - b. AIM-120 AMRAAM
 - c. Joint Direct Attack Munition (JDAM)
 - d. AGM-84 SLAM-ER
 - e. AGM-88 HARM
 - f. AGM-114 Hellfire
 - g. AGM-154 Joint Stand-Off Weapon (JSOW)
 - h. AGM-84 Harpoon
 - i. MK-54 Torpedo

Print Name (CoC)	Alpha	Signature	Date
2. Know squadron types wing (CVW).	and meanings and	be able to identify the cor	mposition of a typical carrier air
Print Name (CoC)	Alpha	Signature	Date
3. Know the lifecycle of	a Fleet Squadron.		
Print Name (CoC)	Alpha	Signature	

CHAPTER 7: THE UNITED STATES MARINE CORPS

3/C MQS 1. Understand the function and capabilities of the Marine Littoral Regiment (MLR). Print Name (CoC) Signature Alpha Date 2. Know the purpose and features of and be able to identify the additional weapons and platforms of the U.S. Marine Corps. a. M777 Howitzer b. High Mobility Multipurpose Wheeled Vehicle (HMMWV) c. Joint Light Tactical Vehicle (JLTV) d. M142 High Mobility Artillery Rocket Systems (HIMARS) e. Amphibious Combat Vehicle (ACV) Print Name (CoC) Alpha Signature Date 3. Know the primary function and effective range, and be able to identify the individual weapons of the U.S. Marine Corps. a. M4 Carbine b. M27 Infantry Automatic Rifle (IAR) c. M240B Medium Machine Gun d. M32A1 Multi Shot Grenade Launcher (MSGL) e. MK-153 Shoulder Launched Multipurpose Assault Weapon (SMAW) f. MK19 Mod 3 Automatic Grenade Launcher g. 50 Caliber Machine gun h. FGM-148 Javelin i. BGM71 TOW Missile i. 60mm Mortar Print Name (CoC) Signature Alpha Date 4. Know and understand the role of the infantry and how non-combat arms MOS support the infantry. Print Name (CoC) Alpha Signature Date

CHAPTER 8: NAVAL SPECIAL WARFARE & EXPLOSIVE ORDNANCE DISPOSAL

3/C MQS

a. Mark VIII SEALb. Mine-Resistant Ac. Rotary Wing and	Delivery Vehicle mbush Protected Y Tilt Rotor Aircraf Assault (CCA) / N	Vehicle (MRAP) t Medium (CCM) / Heavy (C	
Print Name (CoC)	Alpha	Signature	Date
2. Know the tools and eq	uipment Navy EO	D Technicians use as listed	d in the Pro-Book.
Print Name (CoC)	Alpha	Signature	Date
3. Know the difference ar	nd relationship bet	ween EOD Technicians ar	nd Officers.
Print Name (CoC)	Alpha	Signature	Date
CI	HAPTER 9: GI	OBAL CHALLENGE	CS - CHINA
		3/C MQS	
1. Describe the strength of	f the Chinese fleet	and the geographical loca	tion of the PLAN's fleets.
Print Name (CoC)	Alpha	Signature	Date
2. Understand the Chinese	e Military Modern	ization plan to include futu	are milestones and end-state goals.
Print Name (CoC)	Alpha	Signature	Date
3. Know the weapons cap to produce chemical and t			neir nuclear weapons, and potential
Print Name (CoC)	Alpha	Signature	 Date

CHAPTER 10: GLOBAL CHALLENGES - RUSSIA

		3/C MQS	
1. Understand U.S. and o	ther Western Allie	s' involvement in the confl	ict in Ukraine.
Print Name (CoC)	Alpha	Signature	Date
2. Know the geographic l	ocation of Russia	relative to China, Ukraine,	the South China Sea and Iran.
Print Name (CoC)	Alpha	Signature	Date
CHAPTER 11: G	LOBAL CHALI	LENGES – ROGUE ST IRAN	'ATES: NORTH KOREA &
		3/C MQS	
11. Global Challenges	- Rogue States:	North Korea & Iran	
1. Understand Iran's inter	actions with nation	nal states in the region to in	nclude, Syria, Iran and Israel.
Print Name (CoC)	Alpha	Signature	Date
2. Understand the threats including the threat of mi	•		actions in the Strait of Hormuz,
Print Name (CoC)	Alpha	Signature	Date
3. Describe Iran's military	y modernization pl	ans for both IRGCN and I	RIN.
Print Name (CoC)	Alpha	Signature	 Date

CHAPTER 12: GLOBAL CHALLENGES – CYBER, SPACE, & TRANSNATIONAL THREATS

3/C MQS 1. Demonstrate knowledge of different instances of Chinese and Russian cyber operations in recent years. Print Name (CoC) Signature Date Alpha 2. Explain the different missions of space operations. Print Name (CoC) Alpha Signature Date 3. Identify the geographic locations where ISIS and Al-Qa'ida are located. Print Name (CoC) Alpha Signature Date

2024-2025 Professional Knowledge Midshipmen Qualification Standards

2/C MIDSHIPMEN QUALIFICATION STANDARDS

Reference: Professional Knowledge Book (Pro-Book)

Purpose of MQS: To establish and meet the learning objectives (LO) for Midshipman Professional Competency Assessments (PCA). For 2/C PCA, required 2/C MQS must be complete for that semester's PCA. **2/C will also be responsible for the knowledge from 4/C and 3/C Learning Objectives on the PCAs.**

Schedule of MQS: 2/C MIDN will complete Chapters 1-6 during the Fall Semester and will take a test during the Fall PCA. They will complete Chapters 7-12 during the Spring Semester ahead of the Spring PCA. Training Department will promulgate a separate PCA COMDTMIDNNOTE with detailed instructions on the administration of the PCA.

Signature Authorities: Each LO identifies a specific signature authority who is <u>either a subject</u> matter expert (SME) or a <u>midshipman in the chain of command (CoC)</u>. By signing off an LO, the <u>signature authority is affirming</u> that the <u>midshipman receiving the signature has demonstrated</u> the requisite knowledge. The signature authority shall fill out all required information (printed name, alpha, signature, and date) or, if a SME desires, they may print/sign/date a roster that each midshipman can include in their MQS. Each midshipman is responsible for achieving applicable LOs prior to a quiz/exam/board/assessment.

- Chain of Command (CoC)
 - CoC involvement is critical to the success of MQS. Mentorship requires the intentional personal engagement to meet the appropriate level of knowledge, comprehension, application, and discussion of professional material.
 - o 2/C midshipmen shall receive signatures from 1/C midshipmen in their CoC.
- Subject Matter Experts (SME)
 - o Based on their billet and/or experience, only certain individuals are equipped to provide signatures for specific learning objectives.
 - o SMEs are signature authorities for any item in their respective area.

A current list of community/service SMEs is available on the Training Department website.

Definition of Terms:

Know: Recall facts, bring to mind, and recognize the appropriate material.

Comprehend: Interpret principles and concepts and relate them to new situations.

Apply: Utilize knowledge and comprehension of specific facts in new relationships with other facts, theories, and principles.

Demonstrate: Show evidence of ability to perform a task.

Read: Read, not skim, the material and comprehend the meaning of the document.

Discuss: Consciously identify content and their fleet applications, weigh logical and persuasive effects, critically evaluate unstated assumptions and biases, and talk about them with another person.

CHAPTER 1: USNA NOTABLE GRADUATES & FIRST LINK ASSIGNMENT

N/A

CHAPTER 2: U.S. NAVY PERSONNEL

		2/C MQS	
 Know the three "Enginear a. Combat Engineer b. General Engineer c. Geospatial Engine 	ing ing	Activities" and identify an exa	ample of each.
Print Name (CoC)	Alpha	Signature	Date
2. Know the four subsets	of the Medical Co	ommunity and their roles.	
Print Name (CoC)	Alpha	Signature	Date
3. Know the five types of	enlisted service s	chools.	
Print Name (CoC)	Alpha	Signature	Date
4. Know the general requ	irements for enlist	ed advancement.	
Print Name (CoC)	Alpha	Signature	Date
5. Know the history and ea. Official Formationb. Period between Wc. At the end of Wordd. Post-Vietnam to p	n /WI and WWII rld War II	aval Reserve.	

Signature

Date

Alpha

Print Name (CoC)

a. Full-Time Supporb. Individual Augmec. Ready Reserve (Sd. Standby Reserve	entee (IA)	nd Individual Ready Reserve)	
Print Name (CoC)	Alpha	Signature	Date
CHAPTER 3: MISSI		.S. NAVY: TACTICS, OPI OINT ENVIRONMENT	ERATIONS, STRATEGY,
		2/C MQS	
1. Know the importance o	f joint doctrine and	d interoperability.	
Print Name (CoC)	Alpha	Signature	 Date
2. Know the primary J-Di basic functions. Print Name (CoC)	irectorates of a Joi	nt Task Force staff (J-1 through	h J-6) and comprehend their Date
		des of Navy and Marine Corps	staffs and comprehend
	Alpha	Signature	
Print Name (CoC)	rupila	6	Date
Print Name (CoC)	-	4: SURFACE WARFARI	
Print Name (CoC)	-	_	
	CHAPTER teristics to include	4: SURFACE WARFARI	Ε

 2. Know the five basic cate a. Combat Logistics I b. Special Mission c. Prepositioning d. Service Support e. Sealift 	-	ships and a basic understand	ing of the types of ships in each.
Print Name (CoC)	Alpha	Signature	Date
3. Discuss Early Command	d opportunities fo	or both post-Division Officer	and post-Department Head tours.
Print Name (CoC)	Alpha	Signature	Date
4. Discuss Surface Warfarduty slate, and graduate ed		_	ailing process, JO sea and shore
Print Name (CoC)	— Alpha	Signature	 Date
	CHAPTER 5	5: UNDERSEA WARFA 2/C MQS	RE
and Division Officers: a. Engineer Officer (' i. Electrical Officii. Reactor Controlii. Main Propulsion iv. Chemistry and v. Damage Control. Navigator / Operatori. Communication ii. Assistant Operoc. Combat Systems Communical Systems Commun	ENG") cer (EO) ols Assistant (RC) on Assistant (MP) Radiological Cor ol Assistant (DC) ions Officer ("NA n Officer (COM) ations Officer (A officer ("WEPS") ons Officer (TSO) oons Officer (AW	submarine and the role of the A) A) ntrols Assistant (CRA) A) AV") MO) OPS)	e following Department Heads
Print Name (CoC)	Alpha	Signature	Date

2. Understand the Submara. Naval Nuclear Porb. Nuclear Power Trac.c. Submarine Officerd. Prospective Nuclear	wer School (NNP aining Unit "Proto Basic Course (Se	otype" (NPTU) OBC)	wing:
Print Name (CoC)	Alpha	Signature	Date
3. Discuss shore tour oppo		or Officers, including the detai	ling process, shore duty slating
Print Name (CoC)	Alpha	Signature	Date
4. Be familiar with future	projects of Subm	arine Warfare.	
Print Name (CoC)	Alpha	Signature	Date
	CHAPTER (6: NAVAL AIR WARFAF	RE
		2/C MQS	
1. Know the organization	al structure of an	aviation squadron to include th	e major departments.
Print Name (CoC)	Alpha	Signature	Date
2. Know the roles and res	ponsibilities of a	Junior Officer in an aviation sq	uadron
Print Name (CoC)	Alpha	Signature	Date
 3. Know the aviation Junia. NIFE b. Primary c. Advanced d. Fleet Replacement e. Fleet Squadron Tou f. Junior Officer Aircr 	Squadron ır	e (Pilot and NFO) to include th	ne following phases:
Print Name (CoC)	Alpha	Signature	Date

CHAPTER 7: THE UNITED STATES MARINE CORPS

		2/C MQS	
1. Understand the Comma is headed in the future.	andant's Planning	Guidance, paying attention to	the direction the Marine Corps
Print Name (CoC)	Alpha	Signature	Date
 2. Know and understand t a. Phase I Individual b. Phase II Rifle Squ c. Phase III Rifle Pla d. Phase IV Basic M 	Skills ad Leader Skills atoon Leader Skill	s	
Print Name (CoC)	Alpha	Signature	Date
3. Understand the quality	spread utilized at	TBS and how it affects your f	uture MOS.
Print Name (CoC)	Alpha	Signature	Date
CHAPTER 8: NAVA	L SPECIAL W	ARFARE & EXPLOSIVI	E ORDNANCE DISPOSAL
		2/C MQS	
1. Know the shifting role	of NSW and SOF	writ large within the Great Po	ower Competition.
Print Name (CoC)	Alpha	Signature	Date
2. Know the USNA EOD	Accessions Pipeli	ne and EOD Initial Training l	Pipeline.
Print Name (CoC)	Alpha	Signature	Date
CH	IAPTER 9: GL	OBAL CHALLENGES -	CHINA
1. Understand China's abil	ity to conduct join	2/C MQS at operations and the goals of	the PLA, PLAN, and PLAAF.
Print Name (CoC)	Alpha	Signature	Date

2. Discuss the exercises, b	ooth joint and inde	pendent, by the Chinese militar	ry in recent years.
Print Name (CoC)	Alpha	Signature	Date
СН	APTER 10: GI	OBAL CHALLENGES -	RUSSIA
		2/C MQS	
1. Understand U.S. and ot	her Western Allies	s' involvement in the conflict in	ı Ukraine.
Print Name (CoC)	Alpha	Signature	 Date
2. Describe the goals of the goals of the United States		Program (SAP) and compare	the goals of SAP relative to the
Print Name (CoC)	Alpha	Signature	Date
CHAPTER 11: GL	OBAL CHALL	ENGES – ROGUE STATI IRAN	ES: NORTH KOREA &
		2/C MQS	
1. Understand the internat effect on shipping lanes, t	_	of Iranian presence in the Stra and U.S. force projection.	it of Hormuz to include the
Print Name (CoC)	Alpha	Signature	Date
2. Describe the Farsi Islan	nd incident and the	lessons learned from the incid	ent.
Print Name (CoC)	Alpha	Signature	 Date

CHAPTER 12: GLOBAL CHALLENGES – CYBER, SPACE, & TRANSNATIONAL THREATS

		2/C MQS	
1. Understand how Russia	n and Chinese cyl	per operations affects the rules-	based international order.
Print Name (CoC)	Alpha	Signature	Date
2. Describe how the differ the U.S. military goals.	ent missions of sp	ace operations support Comba	tant Commanders in executing
Print Name (CoC)	Alpha	Signature	Date
3. Understand the differen	ces in the core ide	cologies of ISIS and Al Qa'ida.	
Print Name (CoC)	Alpha	Signature	 Date