U. S. Naval Academy

AVIATION CRUISE
JOB QUALIFICATION
REQUIREMENT
(JQR)

MIDSHIPMAN AVIATION SPECIALIST

NAME/RANK: _____

References.

a. Officer Professional Core Competencies Manual, April 2019.

b. USNAINST 1530.1 (Series)

Name:_____ Rank:_____ Issue Date: _____

INTRODUCTION

MIDSHIPMAN CRUISE REQUIREMENTS

The primary objective of the summer training cruise is to expose midshipmen to the Naval Aviation profession and provide an overview of expectations of Junior Officer performance. The 1/C warfare cruise is the capstone of USNA's maritime and leadership training. Midshipmen prepare for the privilege to lead Sailors by acting as division officers in training and interacting with a Wardroom and Chief's Mess. This cruise also helps midshipmen confirm their expectations about warfare community preferences.

This JQR outlines what midshipmen *should* be exposed to during Aviation Cruise. It *shall* be completed to the max extent practicable. The USNA Training Department requests that a designated squadron Officer track the completion of this JQR. If there are additional training opportunities provided to midshipmen, please indicate the training on this JQR and provide feedback to the USNA Training Department.

The goal of this JQR is to enhance the cruise experience by focusing on task completion. Midshipmen have already been, or will soon be, exposed to the underlying fundamentals and theory of each of the tasks assigned in this JQR. Also, prior to accomplishing each task, trainers and trainees are expected to discuss applicable underlying fundamentals and theory. This program is designed to provide midshipmen broad-based exposure to the aviation community in accordance with Reference (a).

JQR PROGRAM

This JQR program is a qualification system for midshipmen where certification of a minimum level of competency is required before qualifying to perform specific duties. A JQR is a compilation of the minimum knowledge and skills that an individual must demonstrate in order to qualify to stand watches or perform other specific routine duties necessary for the safety, security or proper operation of a ship, aircraft, or support system. The objective of JQR is to standardize and facilitate these qualifications.

APPLICABILITY

This JQR is applicable to all USNA midshipmen assigned an Aviation cruise when the assigned squadron / wing **does not** have their own developed JQR. **Completion of a locally developed JQR is an accepted replacement to be completed in lieu of this JQR**. Complete all line items applicable during cruise. The MIDN coordinator or Training Officer shall mark Not Applicable on any item not accomplished due to unavailability.

QUALIFIER

Squadron Officers (or EAWS qualified E-5 and above Sailors for Maintenance Department work center visits) are designated as PQS Qualifiers for this JQR.

MIDSHIPMAN AVIATION SPECIALIST

Name:_____ Rank:_____ Issue Date: _____

AVIATION OVERVIEW

1. Discuss different Naval Aviation communities _____
2. Discuss Naval Aviation platforms and mission sets _____
3. Discuss squadron organizational structure _____
4. Discuss the squadron's operational cycle _____

FLIGHT PLANNING

1. Discuss FAA regulations _____
2. Discuss weather fundamentals _____
3. Discuss the concept of mission planning _____
4. Discuss the concepts of flight planning _____
5. Discuss the "Aviate, Navigate, Communicate" concept _____
6. Pursue opportunities to fly as much as possible _____

OPERATIONS

1. Review a squadron flight schedule _____
2. Discuss the Ops, Maintenance, Training coordination process _____
3. Discuss the flight schedule development process _____
4. Discuss the flight schedule review and approval process _____
5. Discuss flight schedule development challenges _____

TRAINING

1. Discuss the difference between the ACTC Syllabus and NATOPS Qualification process _____
2. Provide an overview of the squadron's ACTC syllabus _____
3. Explain the expectations for syllabus event completion _____
4. Introduce advanced tactical qualifications (ie, CVW Strike Lead) _____
5. Observe an ACTC syllabus event _____
6. Observe or fly a simulator event _____

Name:_____ Rank:_____ Issue Date: _____

MAINTENANCE

1. Discuss the Maintenance Department organizational structure _____
2. Discuss the Naval Aviation Maintenance Program (NAMP) and the three levels of NAMP maintenance _____
3. Discuss the role of the Assistant Maintenance Officer (AMO) _____
4. Discuss the role of the Maintenance Material Control Officer (MMCO) _____
5. Discuss the role of the Maintenance Master Chief (MMCPO) _____
6. Discuss the role of the Quality Assurance Officer (QAO) _____
7. Discuss the role of the Maintenance Control desk _____
8. Visit at least four Maintenance Department work centers across different Divisions
   a. W/C _____ _____
   b. W/C _____ _____
   c. W/C _____ _____
   d. W/C _____ _____
9. Conduct a Static Display with a JO, qualified CDI, or CDQAR _____

SAFETY

1. Discuss the Naval Aviation Safety Program _____
2. Discuss the concept of Operational Risk Management (ORM) _____
3. Discuss the concept of Crew Resource Management (CRM) _____
4. Discuss the use emergency procedures _____
5. Discuss aviation physiology (night flying, hypoxia, spatial disorientation, etc.) _____
6. Participate in a Foreign Object Debris (FOD) walkdown _____

NATOPS

1. Discuss the Naval Aviation Training and Operating Procedures Standardization (NATOPS) program and its purpose in aviation _____
2. Discuss the NATOPS Jacket and Flight Log _____

Name:_____ Rank:_____ Issue Date: _____

3. Discuss the NATOPS qualification process _____
4. Discuss the Instrument qualification process _____
5. Discuss the NATOPS brief _____
6. Discuss Performance calculations _____

PROFESSIONAL DEVELOPMENT

1. Discuss the aviation training pipeline and career progression _____
2. Discuss the JOPA concept and functions _____
3. Discuss peer leadership with a Junior Officer (JO) _____
4. Discuss Aircrew leadership with a JO (if applicable) _____
5. Discuss Sailor leadership with a JO _____
6. Attend any All Officer Meetings (AOMs) _____
7. Tour Naval Air Station (NAS) resources and facilities _____
8. Attend a JOPA Lunch _____

IF EMBARKED (CVN)

1. Flight Deck tour _____
2. Hangar Bay tour _____
3. Visit Primary Flight Control (PriFly) with squadron rep _____
4. Visit Carrier Air Traffic Control Center (CATCC) w/ rep _____
5. Request to accompany LSO during a recovery _____

Name:_____Rank:_____ Issue Date: _____

MIDSHIPMAN AVIATION SPECIALIST

NAME:_____ RATE/RANK: _____

This page is to be used as a record of satisfactory completion of designated sections of the JQR. Only designated qualifiers may signify the completion of applicable sections either by written or oral examination, or by observation of performance. The examination or checkout need not cover every item; however, a sufficient number should be covered to demonstrate the examinee's knowledge. As with all PQS and JQR's the line items are to be signed off only when the candidate is prepared to demonstrate or discuss fully the particulars of the line item to the satisfaction of a qualifier. When the candidate obtains a complete understanding of one or more line items, he or she will contact the respective qualifier in order to demonstrate proficiency.

QUALIFICATION RECORD

Trainee has been indoctrinated in this JQR watch station and given a target date of: _____

SIGNATURE: _____ DATE _____
(MIDSHIPMAN)

SIGNATURE: _____ DATE _____
(MIDSHIPMAN LIAISON / TRAINING OFFICER)

The trainee has completed all requirements for this watch station. Recommend designation as a qualified Midshipman Aviation Specialist.

RECOMMENDED: _____ DATE _____
(RUNNING MATE)

RECOMMENDED: _____ DATE _____
(MIDSHIPMAN LIAISON / TRAINING OFFICER)

FINAL QUALIFIER: _____ DATE _____
(EXECUTIVE OFFICER)

Turn this completed JQR into the Summer Training Duty Officer when you report to complete your travel voucher on return to USNA from your training block.