



## DEPARTMENT OF THE NAVY

COMMANDER  
TRAINING AIR WING FIVE  
7480 USS ENTERPRISE STREET SUITE 205  
MILTON, FLORIDA 32570-6017

IN REPLY REFER TO:  
COMTRAWINGFIVEINST 5220.1F  
Code N7  
20 Jun 16

### COMTRAWING FIVE INSTRUCTION 5220.1F

Subj: QUALITY ASSURANCE AND REVALIDATION (QA&R) OF TRAINING DEVICES

Ref: (a) CNATRINST 5220.1E

Encl: (1) Device Assignments

1. Purpose. To promulgate pertinent information and guidelines to perform Quality Assurance and Revalidation (QA&R) per reference (a).
2. Cancellation. COMTRAWINGFIVEINST 5220.1E.
3. Discussion. The continuing introduction into the Naval Air (NAVAIR) Training Command inventory of highly complex and expensive training devices requires system fidelity be maintained during equipment life. In addition, modernization and overhaul schedules of training devices must be determined. The intent of this instruction is to establish responsibilities and guidelines within Training Air Wing (TRAWING) FIVE.
4. Policy. The TRAWING FIVE Training Officer shall be responsible for accomplishing the required QA&R functions on the training devices under the cognizance of TRAWING FIVE. Each training device shall be evaluated periodically by a qualified TRAWING FIVE Instructor Pilot (IP) in conjunction with a contract simulator instructor. The IP evaluation should ensure the simulator device accurately reflects aircraft performance, simulator performance is consistent with prescribed aircraft Naval Air Training and Operating Procedures Standardization (NATOPS) tolerances, and the overall material condition of the device is satisfactory. For all discrepancies noted, a Visual Information Display System/Maintenance Action Form (VIDS/MAF OPNAV Form 4790/60) shall be initiated. Discrepancies which are maintenance-related, i.e., out of tolerance, require minor adjustment, or any other anomalies that are not software-related and do not require engineering development, will be given to the Contractor Operations and Maintenance of Simulators (COMS). Discrepancies which involve software modeling, hardware configurations, and computer upgrades are to be routed to the NAVAIR on-site engineer for action and tracking. These discrepancies will form the basis for future acquisitions, upgrades, and Service Life Assessment Program/Service Life Extension Program planning.
5. Scheduling QA&R Evaluations. Each simulator device (T-6B UTD 2F207, T-6B OFT 2F208, T-6B EST 2C78, T-6B EPT 2C79, TH-57 CPT 2C67 and TH-57 OFT 2B42, Flight Controls System Trainer 2A35) shall be evaluated semi-annually during the first and third quarter of each Fiscal Year at a minimum. System trainer 2A35 shall be evaluated annually. Special QA&R evaluations will also be performed to document device conditions prior to and after modification performed by other than the COMS and when a device is to be used by another agency for testing and/or evaluation.
6. QA&R Evaluation Procedures
  - a. Formal evaluation procedures shall be promulgated by the Training Officer in the form of QA&R checklists. IPs performing QA&R evaluations will use the appropriate device QA&R

checklist. The Training Officer shall make QA&R checklists available to evaluators. A representative profile is to be "flown" on each device in order to thoroughly evaluate as many of the simulator's characteristics as possible. Every effort will be made to evaluate all regimes of simulator operation. Instructors shall be assigned by their squadron to perform the QA&R function.

b. QA&R inspections for assigned training devices will be scheduled and conducted by the squadrons during the first and third Fiscal Year quarters unless directed otherwise. Enclosure (1) lists the training device QA&R assignments for TRAWING FIVE.

7. Documentation. For each QA&R evaluation, a standard Naval Flight Record Subsystem (NAVFLIRS), OPNAV Form 3710/4, shall be completed and included with any VIDS/MAFs resulting from the evaluation. These forms will be turned in to Academic Training Department Book Issue and forwarded to the contractor. Academic Training shall maintain a log on each device documenting the date, flight time, discrepancies, and name of the evaluator for each QA&R evaluation. This documentation will form the basis for submission of the Quarterly Report of Flight Simulator Status (CNATRA 5220/1) to Chief of Naval Air Training (CNATRA) (N348 and N71) quarterly and CNATRA DET OIC.

  
M. T. MURRAY

Distribution:  
COMTRAWINGFIVEINST 5216.1U  
Lists I(a,b), II

Device Assignments1 June 2016VT-2

UTD 2F207B no. 1  
 2F207B no. 4  
 2F207B no. 7 N/A

VT-3

UTD 2F207B no. 2  
 2F207B no. 5 N/A

VT-6

UTD 2F207B no. 3  
 2F207B no. 6 N/A

OFT 2F208B no. 1  
 2F208B no. 4  
 2F208B no. 7

OFT 2F208B no. 2  
 2F208B no. 5  
 2F208B no. 8

OFT 2F208B no. 3  
 2F208B no. 6  
 2F208B no. 9

HT-8

2B42A no. 2  
 2B42A no. 3  
 2C67 no. 1

HT-18

2B42A no. 1  
 2B42A no. 4  
 2C67 no. 2

HT-28

2B42A no. 5  
 2B42A no. 6  
 2C67 no. 3

**NOTE: Not all devices are online all day. Check device availability in TIMS prior to scheduling QA&R.**

TW-5 AMSO

2C78 T-6B Ejection Seat Trainer no. 001  
 2C79 T-6B Egress Procedures Trainer no. 001

Simulator Contractor Instructor

2A35 TH-57 Flight Control System Trainer  
 (annual in September)

Simulator inspection checklists and MAF sheets are located in Building 2946 (Academic Training) in room 4. Please have your IPs review the instruction prior to arriving to perform a QA&R event.

Typically T-6 QA&Rs require the majority of a simulator period. For the TH-57, an instructor may be able to complete two QA&Rs in one simulator period. Schedule writers should put the instructor name in one device as the student and use the "non-syllabus" event named "HT QAR "Helo"" or "VT QAR "Sim"", as appropriate, in the event column. For the second device, leave the name off but put the QAR code in that device event, so Cubic can assign it accordingly. If your squadron doesn't "own" an event at the time you want to perform the inspection, coordinate ahead of time with the owning squadron to transfer the event. If you have a question about scheduling, contact Cubic schedulers at (850) 665-6326.

All discrepancies shall be documented on VIDS/MAFs and turned back into room 4 or Book Issue along with the checklists. In addition to "mechanical" discrepancies, check pilots shall evaluate the overall flying qualities of the device and gripe anything that is not consistent with actual aircraft characteristics, e.g., "simulator will not hold trimmed flight" or "too much play in stick."

Contact Mr. Craig D'Ambra, Building 2946 in room 4, (850) 623-7251/7244 if you have any questions.