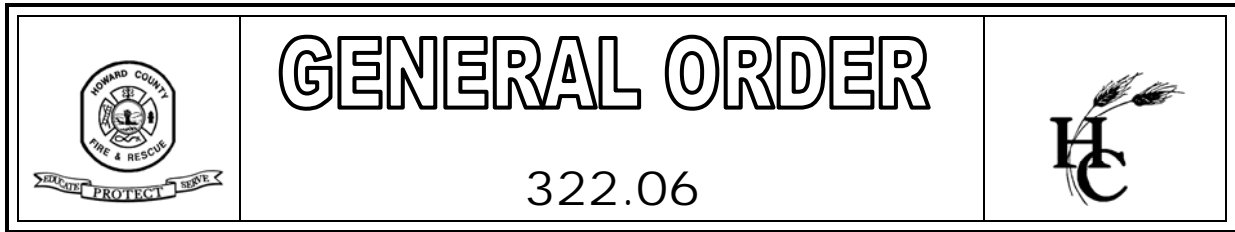


DEPARTMENT OF FIRE AND RESCUE SERVICES



Originating From	Issue Date	Revision Date	Attachments
Emergency Services Bureau	4/17/2009	5/25/2011	A

SUBJECT: Rapid Sequence Intubation

APPLICABILITY: All Career Personnel

POLICY:

In accordance with the Maryland Medical Protocols, Rapid Sequence Intubation (RSI) requires a quality assurance program to initially certify and maintain the proficiency of departmentally approved providers.

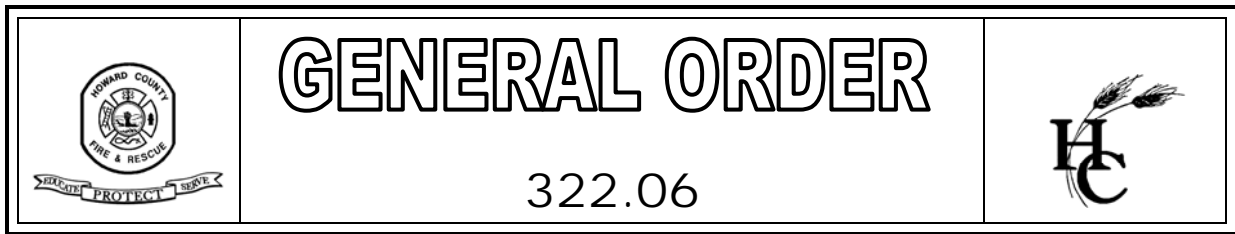
1 PREREQUISITES

- 1.1 Any provider interested in beginning the process to become a departmentally approved RSI provider must meet the following prerequisites:
 - 1.1.1 Non-probationary officer
 - 1.1.2 An independently functioning EMT-Paramedic in Howard County for at least three (3) years.
 - 1.1.3 Chain of Command approval signatures on the RSI Education Process Application [Attachment A]:
 - 1.1.4.1 Immediate Supervisor
 - 1.1.4.2 Company Captain, if appropriate
 - 1.1.4.3 Medical Duty Officer, if appropriate
 - 1.1.4.4 Emergency Services Bureau – EMS Executive Battalion Chief
 - 1.1.4.5 Jurisdictional Medical Director

2 FUNDAMENTALS TEST

- 2.2 Interested candidates that have satisfied the prerequisites outlined in Section 1 shall begin the RSI educational process by taking an advanced airway fundamental knowledge test to include questions on:
 - 2.2.1 Glasgow Coma Scale
 - 2.2.2 Respiratory system
 - 2.2.3 Airway anatomy and physiology
 - 2.2.4 Drug calculations / medical math
 - 2.2.5 Basic and advanced airway management devices and procedures

DEPARTMENT OF FIRE AND RESCUE SERVICES



- 2.3 The advanced airway fundamental knowledge test is intended to test a candidate's comprehension of the items listed in Section 2.2. The test is not intended to present questions directly related to RSI medications or procedures.
- 2.4 Candidates that successfully pass the advanced airway fundamental knowledge test with at least 85% correct will continue in the RSI educational process.
- 2.5 Candidates that do not score at least 85% must wait at least three (3) months before reattempting.

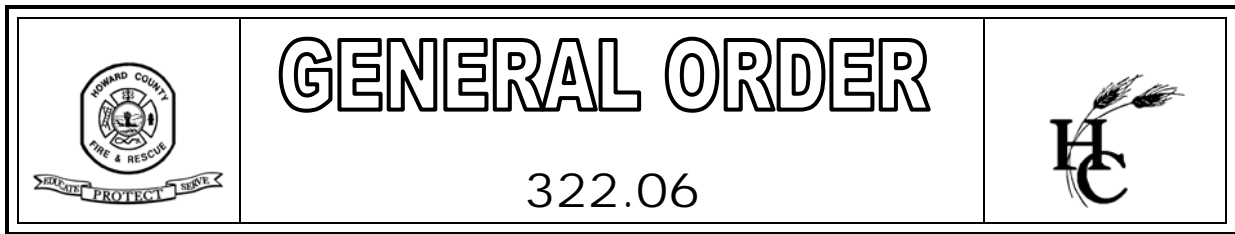
3 ENTRANCE INTERVIEW

- 3.1 The jurisdictional medical director shall contact the candidate to schedule an entrance interview within 30 calendar days of receipt of the candidate's application.
- 3.2 The entrance interview provides the jurisdictional medical director an opportunity to meet with the candidate and discuss any quality assurance issues, performance problems and program expectations.
- 3.4 The jurisdictional medical director must approve the candidate to continue in the RSI educational process.
- 3.5 The jurisdictional medical director shall notify the Bureau of Education and Training of the decision to approve or not approve candidates for inclusion in the RSI educational process within seven calendar days of the interview.

4 INITIAL CERTIFICATION TRAINING

- 4.1 In accordance with the Maryland Medical Protocols, candidates must fulfill the following seven core requirements and meet competency benchmarks to obtain initial certification in RSI. There are seven core requirements:
 - 4.1.1 Attend one Initial RSI Presentation
 - 4.1.2 Attend three Refresher RSI Presentations
 - 4.1.3 RSI Simulation Lab with high fidelity simulation mannequin
 - 4.1.4 Cadaver lab, including cricothyroidotomy
 - 4.1.5 Successfully complete individualized Operating Room training by:
 - 4.1.5.1 Demonstrating proficiency to Attending Anesthesiologist and document agreement via signature on RSI operating room form.
 - 4.1.5.2 Successfully intubating five patients in an Operating Room to the satisfaction of the Attending Anesthesiologist.

DEPARTMENT OF FIRE AND RESCUE SERVICES



4.1.6 Successfully complete all competency benchmarks related to:

- 4.1.6.1 Difficult airway assessments
- 4.1.6.2 DFRS RSI procedures
- 4.1.6.3 RSI pharmacology
- 4.1.6.4 Cricothyroidotomy procedure
- 4.1.6.5 Rescue airway devices
- 4.1.6.6 Jurisdictional Medical Director skills evaluation

4.1.7 Demonstrate mastery of skills and knowledge proficiency through a written test.

- 4.1.7.1 The RSI written test will be the last core requirement to be completed.
- 4.1.7.2 Candidates should contact the Bureau of Education and Training to schedule a date to take the test.
- 4.1.7.3 Candidates must score at least 85% correct.
- 4.1.7.4 Candidates that do not score at least 85% correct must attend at least one additional quarterly training before reattempting the test.
- 4.1.7.5 The Bureau of Education and Training will notify the jurisdictional medical director within seven calendar days of each candidate that has successfully completed the RSI educational process.

4.2 The completion of the seven core requirements will be coordinated through the EMS Training Branch.

4.3 Additional requirements may be established as the jurisdictional medical director finds appropriate and necessary.

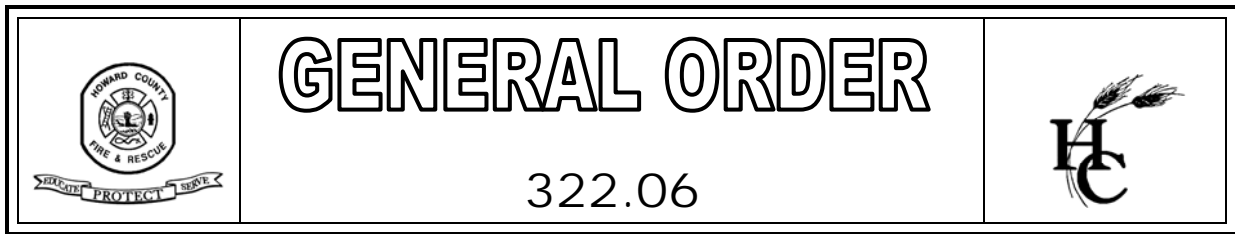
5 AUTHORIZATION

5.1 The jurisdictional medical director shall contact the candidate to schedule an interview within 30 calendar days from receipt of notification from the Bureau of Education and Training Section that a candidate has successfully completed the RSI educational process.

5.2 The jurisdictional medical director has seven calendar days to notify the EMS Executive Battalion Chief in the Emergency Services Bureau that an interview has been conducted for each candidate and their approval or disapproval for authorization to perform RSI.

5.3 EMS Operations will issue and distribute a departmental memo announcing each candidate's clearance to perform RSI.

DEPARTMENT OF FIRE AND RESCUE SERVICES



5.4 In the event authorization approval is not given, the Medical Director shall communicate with the Bureau of Education and Training with further training recommendations for the respective candidate.

6 ANNUAL TRAINING REQUIREMENTS

6.1 Providers cleared to perform RSI must maintain their certification by meeting both Maryland Medical Protocol and jurisdictional requirements:

6.1.1 Attend two rotations in the Operating Room.

6.1.2 Complete at least one quarterly RSI refresher training that includes an EMT-Paramedic skills evaluation with the jurisdictional medical director.

6.1.3 Complete one additional quarterly RSI Refresher training.

6.2 The EMS Training Branch will coordinate quarterly recertification training.

6.3 Providers must meet the recertification requirements within each calendar year to maintain their RSI authorization.

6.4 Any provider that does not meet the recertification requirements within a given calendar year will have their RSI authorization suspended until the requirements are brought current.

7 QUALITY ASSURANCE

7.1 The Bureau of Education and Training will manage a mechanism that allows providers to create a record for all RSI events.

7.2 A provider that performs an RSI or is the primary ALS provider in charge of patient care where any of the following situations occur shall initiate an RSI record using the above mechanism within 24 hours:

7.2.1 A Howard County Fire and Rescue EMT-Paramedic performs RSI;

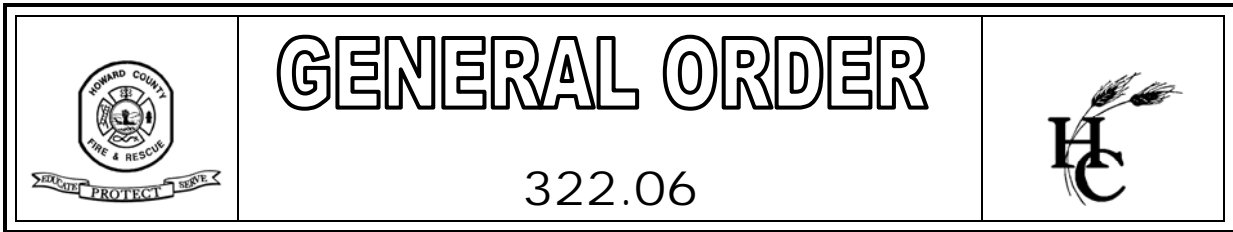
7.2.2 RSI is performed within the jurisdictional boundaries of Howard County;

7.2.3 RSI is requested, whether actually performed or not.

7.3 Providers that perform an RSI, whether successful or unsuccessful, shall prepare a case study presentation for a future RSI Refresher section. The format for the case study shall be provided by the Bureau of Education and Training.

7.4 The Bureau of Education and Training will manage a database associated with records of all RSI recordable events.

DEPARTMENT OF FIRE AND RESCUE SERVICES



7.5 An RSI incident review packet will be created with applicable documents for review by an RSI review committee and at RSI Refresher training sessions. The following persons should be present:

- 8.5.1 Jurisdictional Medical Director
- 8.5.2 EMS Executive Battalion Chief or designee
- 8.5.3 Education and Training Assistant Chief or designee

Approved:



William Goddard
Fire Chief



Howard County Fire and Rescue
EMS Training Branch: ALS Academic Programs
RSI Educational Process Application

Applicant Instructions: Complete Section I and then obtain chain of command approval signatures.
 The completed application will be retained by Office of the Medical Director.

Section I: Basic Information

FIRST NAME	MI	LAST NAME	EID
CURRENT RANK	TIME IN RANK (Years, Months)		CURRENT ASSIGNMENT
LENGTH OF TIME AS AN INDEPENDENTLY FUNCTIONING PARAMEDIC IN HOWARD COUNTY (Years, Months)			
I CERTIFY THAT THE INFORMATION WITHIN THIS APPLICATION IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.			
STUDENT SIGNATURE (Required)			Date

Section II: Chain of Command Approval Signatures

IMMEDIATE SUPERVISOR NAME	<ul style="list-style-type: none"> Satisfactory overall performance Competent medical provider No current disciplinary events 	SIGNATURE
COMPANY CAPTAIN NAME	<ul style="list-style-type: none"> Satisfactory overall performance No current disciplinary events 	SIGNATURE
MEDICAL DUTY OFFICER NAME	<ul style="list-style-type: none"> Satisfactory overall performance No current QA events Confidence in candidate's knowledge, skills, abilities and experience as an EMT-P 	SIGNATURE
EMS EXEC. BATTALION CHIEF NAME	<ul style="list-style-type: none"> Satisfactory overall performance No current QA events Confidence in candidate's knowledge, skills, abilities and experience as an EMT-P 	SIGNATURE
JURISDICTIONAL MEDICAL DIRECTOR NAME	<ul style="list-style-type: none"> Satisfactory overall performance No current QA events Confidence in candidate's knowledge, skills, abilities and experience as an EMT-P Candidate can begin RSI educational process 	SIGNATURE