

2022

FIRST AID

Q & A's

Q1: Will the first aid teams be 3 working members and a patient or 2 working members and a patient? The rules really don't state that anywhere.

A: See Rule 1: Guidelines and Procedures: A first aid team will consist of three members of the registered mine rescue team. The three team members are working team members, the contest officials will provide a patient.

Q2: Can the 11th edition Brady and the American heart manual be put onto the MSHA website so all teams have access to them?

A: The Brady Text and the American Heart Manuals can't be placed on MSHA's website because they are copyrighted and also they are NOT 508(c) Compliant. Anything placed on a Government Website must be 508(c) Compliant.

Q3: Can teams share manikins within the same company?

A: Yes, sharing of manikins is allowed.

Q4: On the manikin, so to clarify what are the requirements on the manikin? Recorded or not?

A: See Rule 12: **NOTE:** Teams must provide their own recording manikin.

Q5: Written Examination, Rule 10, scoring of the test will be completed by at least two qualified judges. Does this prohibit the use of a Scantron to score the test answer sheets?

A: No, but the scoring should be overseen by two qualified judges.

Q6: Will the materials list be checked?

A: No. The materials list will not be "checked" for compliance of the materials list but if a problem is designed within the scope of the list and a team doesn't have it you will be docked for not completing that procedure.

Q7: Will the first aid questions be made available to the team or is it the team's responsibility to get these on their own?

A: The written examination will consist of 15 multiple choice questions taken from the review questions and glossaries of the Eleventh Edition of Brady "Emergency Medical Responder – First on the Scene" taken from (Chapters: 3, 4, 6, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 22, 23 and 27) and the most current edition of American Heart Association BLS Student Handbook (as of January 1st of the contest year).

The 11th edition is pretty straight forward but there are several BLS out there. Can we possibly see the edition that will be used?

A: We will post the cover of the BLS Student Handbook in effect as of January 1st, 2021 with the Q & As.

Again, to make it fair to all the teams it would be nice if these could be uploaded to the mine rescue page on the MSHA Web site.

A: The Brady Text and the American Heart Manuals can't be placed on MSHA's website because they are copyrighted and also they are NOT 508(c) Compliant. Anything placed on a Government Website must be 508(c) Compliant.

Q8: Does the team have to provide a recording manikin capable of printing off the CPR Record? Or will one be provided. The answers to this question at the end of the call was a little confusing.

A: Yes, if they are planning on using them for contest purposes. See Rule 12: **NOTE:** Teams must provide their own recording manikin.

Q9: What is a granny knot?

A: According to Google it is a "square knot with the ends crossed the wrong way and therefore liable to slip or jam".

Q10: Rule 16: Presenter said that materials could be cleaned up after the clock was stopped. The rule doesn't address that. Is that correct?

A: Yes. See Rule 14: "The problem will end and teams will stop the timing device when all conditions have been located, and treated. The timekeeper/judge must time the problem in minutes and seconds and consult with the team upon completion of the problem to verify the time.

Q11: Rule 25: This rule refers using an oxygen mask on a patient but no tank is needed. An oxygen mask is not on the equipment list.

A: The administering of oxygen is **not** addressed in the 2021 First-Aid Rules and a skill sheet has not been provided to outline the Procedures/Critical Skills for this task. There will be no expectations while the 2021 First-Aid Rules are in place for the first aid team to administer oxygen to a patient. The Problem Designers will be advised of this interpretation of Rule #25 on page 6.

Q12: Rule 26: This rule refers to traction splints. Traction splint is not on the equipment list.

A: The Traction Splint is not on the list but as a treatment it could be used by a team if the team has the equipment. REMEMBER the list is a MINIMUM LIST only for problem designers to design problems within the scope of the list. See Rule 7: under discounts Teams will not be discounted for doing more than the problem call for, unless it is detrimental to the patient or improper care.

Q13: Rule 24: There was discussion about the statement "...with the exception of familiarization or AED and Manikin." It was discussed that the manikin can be tested under guard. It was also discussed that coal teams were previously required to run a sample tape when they arrived at the working area. If the team has to check their manikin while in lock up, something could change when it is disassembled and transported to work area and reassembled. The team should be allowed to test the manikin for operation at the working area. Also, part of the of the test tape being run under the judges supervision was to confirm that the manikin was operating properly and not rigged.

A: The rules committee agree. No practicing will be allowed on the field before the beginning of the contest, **with the exception of familiarization of AED and Mannequin**. The team will run a test tape once on their assigned contest field and before the time clock is started to ensure the operation of the manikin. A test tape shall include the team's working number and initials of the Team Captain. The AED will always be a training model with AED functions simulated, if conditions dictate the use of an AED Judges shall provide an envelope indicating a shockable or non-shockable rhythm.

If it is the latter, are we now requiring patients to take written tests too?

A: No, patients will not be taking the written exam.

Q14: Why not use Questions and answers that are in the glossary? Those questions and answers test your knowledge not your memorization.

A: The questions are not taken from a "statement of fact format" any longer but as per Rule 2 Written Examinations: The written examination will consist of 15 multiple choice questions taken from the review questions and glossaries of the Eleventh Edition of Brady "Emergency Medical Responder - First on the Scene" taken from (Chapters: 3, 4, 6, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 22, 23 and 27) and the most current edition of American Heart Association BLS Student Handbook (as of January 1st of the contest year).

Q15: Page 6, 25 - Oxygen has never been a part of Mine Rescue treatment as far as I'm aware. The materials list does not include a mask for administering oxygen so the only route we would have would be to use our barrier device. Beyond that, what is required to "administer oxygen?" I would suggest this rule be removed to eliminate the possibility of a problem designer putting it in or a judge unfairly treating contestants who are and are not trained in the use of oxygen.

A: The administering of oxygen is not addressed in the 2021 First Aid Rules and a skill sheet has not been provided to outline the Procedures/Critical Skills for this task. There will be no expectations while the 2021 Rules are in place for the first aid team to administer oxygen to a patient. The Problem Designers will be advised of this interpretation of Rule #25 on page 6.

Q16: Page 7, Written Exam, 3 - Three team members required to take the test. Patients are not required to know any skills to tend to injured patients. To require them to know the entire content contained in EMR 11th edition AND the BLS Student manual doesn't make sense. The patient is not trained or skilled in any of the functions of a first responder or emergency medical technician. If you wanted to have it set up like Mr. Shannon indicated he "thought" it was going to be written, where only 2 tests count in the final score, that would be okay. But it still doesn't make any sense to require a patient to study the material. Some of these patients might be temporary stand ins.

A: See Rule 1 under guidelines and procedures: A first aid team will consist of three members of the registered mine rescue team. The three team members are working team members, the contest officials will provide a patient. All three Team Members will take the written. Patients will not be taking the written exam.

Q17: Page 8, Appeals, 3 - The appeals format should be the same as the other disciplines. If for no other reason, to eliminate confusion. One hour to respond after posting, and 20 minutes to appeal.

A: These are the final rules for 2021. This can be revisited next year after this season of contests.

Q18: Page 8, Appeals, 5 - Like with BG4, why would a remote protest be allowed so much more time than a guy who stayed there and waited on protest? The time should be the same.

A: **IN PERSON:** The first aid team will be notified by a posting outside the "designated location" for appeals at the contest site. The first aid team and team trainer will have thirty (30) minutes to review the judges' scorecards, written examination scores, etc. and prepare/submit any written protests. No additional appeals will be accepted after the 30-minute time limit.

ELECTRONICALLY: The first aid team will have forty five (45) minutes to review the judges' scorecards, written examination scores, etc. and return any written protests to support their appeal back to the Contest Officials via email.

- The 45-minute review clock starts when the team opens the email document which initiates the sending of the "read receipt" email back to the Contest Officials.
- The team then has 45 minutes to return any written protests to support their appeal back to the Contest Officials via email.
- The team has two hours from the time the results are ready for review and are posted outside the "designated location" for appeals at the contest site to open the email sent by the Contest Officials and complete their response.
- Forty five (45) minutes is the maximum allotted time for the electronic review.
- For example, if a team waits for one hour and 50 minutes once the results are posted at the contest site to open the email sent by the Contest Officials, they only have 10 minutes to complete their review and email any protests back to the Contest Officials.
- Electronic Reviews received by the Contest Officials after the 2-hour time limit or after the 45-minute review time limit will not be accepted.

Q19: Written Exam - will there be a list of 100 questions (or more) from the EMR or BLS documents that the contest organizers work from?

A: No

If so, will it be published?

A: Not applicable.

If not, how does a competitor form a protest that won't take 2 hours to validate?

A: The questions are not taken from a "statement of fact format" any longer but as per Rule 2 Written Examinations: The written examination will consist of 15 multiple choice questions taken from the review questions and glossaries of the Eleventh Edition of Brady "Emergency Medical Responder – First on the Scene" taken from Chapters: 3, 4, 6, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 22, 23 and 27 and the most current edition of American Heart Association BLS Student Handbook (as of January 1st of the contest year).

Q20: Will teams be required to purchase/provide their own recording mannequins that will print out results or can they use the old style units that don't print out?

A: See Rule 12: **NOTE:** Teams must provide their own recording manikin.

Q21: Guidelines and Procedures #1 states that a first aid team will consist of 3 members but does not mention a patient. Is the team responsible for providing a patient or will the contest provide the patient(s)?

A: No, the team will not be required to provide a patient. See Rule 1 under guidelines and procedures: A first aid team will consist of three members of the registered mine rescue team.

Q22: Guidelines and Procedures #12 states Teams must provide their own recording manikin and there is discounts outlined on score card B that would require a printout in order to assess those discounts but I do not see any rule that requires a team to print out and submit a record to the judges? How would a team be discounted for not printing out and submitting the results for CPR or AV?

A: See Rule 12: **NOTE:** Teams must provide their own recording manikin. If CPR is incorporated into the problem and the team does not provide a recording manikin to achieve a printable result it would be docked 20-discounts for not completing a skill. Without the results printed out no way to judge if CPR was completed as per the skill sheet. The results of the CPR will be printed out and given to one of the field judges with team number and captains initials.

Q23: Guidelines and Procedures #15 states that problems will be designed from the skill sheets and #25 talks about if oxygen is required it will be simulated by the use of a mask and no tank is required. I did not see a skill sheet for applying oxygen so if there is no skill sheet can a team be discounted for not using oxygen?

A: The administering of oxygen is **not** addressed in the 2021 First-Aid Rules and a skill sheet has not been provided to outline the Procedures/Critical Skills for this task. There will be no expectations while the 2021 First-Aid Rules are in place for the first aid team to administer oxygen to a patient. The Problem Designers will be advised of this interpretation of Rule #25 on page 6.

Q24: How will a team determine if a patient is immediate, delayed, minor or deceased by the start triage system table provided in the rules? Will the team be given a card or envelope with the information for each patient that is in the problem or will they ask the judge what are the respirations, perfusion and mental status?

A: The patient will have the results of the respirations, perfusion and mental status in the size of at least 8.5 X 11 sheet visible to the team upon approach to the victim.

Q25: Critical skill items with an asterisk. They stated during the rules training that it had to be verbalized. If verbalize the item but do not perform would I get a 2 point discount for not performing? If I did not perform and did not verbalize would I get 2 points for each or just 2 points total?

A: Rule 11 Scorecard A, (2) point discount total, failure to perform a required critical skill. Each CRITICAL SKILL shall be performed as identified on the skill sheets, 2 each infraction except for CPR/ AV covered by Scorecard B.

Q26: If I have determined that my patient is a minor patient according to the start triage guidelines would the patient be required to be placed on a backboard for transportation even though they can walk and follow commands?

A: No, unless stated in the problem.

Q27: Written Examination, Rule 1: Will the patient/bystander now be regarded as a working team member?

A: No. See Rule 1 under Guidelines and Procedures: A first aid team will consist of three members of the registered mine rescue team. The three team members are working team members, the contest officials will provide a patient.

Q28: The design of first aid problems having a CPR scenario where the patient is not revived, should have specific notice or statement to teams that the patient is deceased. Statements that the patient has no pulse does not imply to teams that CPR should stop or be discontinued and is contrary to all basic lifesaving protocol.

A: These statements on whether a patient has a pulse or not is for Problem Design and the teams to know CPR is to be started if given. If cycles of CPR are given then it is not contrary at all. This is a stopping for this portion of the contest problem and unfortunately not all patients given CPR survive.

Q29. Critical skills verbalized, acronym BP-DOC: On page 19, Initial Assessment, the note at the bottom explains the acronym as Bleeding, Pain, Deformities, Open Wounds. Will this be the accepted verbiage, or should it be Cuts or Contusions?

A: THIS NOTE IS INCOMPLETE IT SHOULD HAVE INCLUDED ***NOTE: Each critical skill identified with an asterisk (*) shall be clearly verbalized by the team as it is being conducted.** "After initially stating what BP-DOC- Bleeding, Pain, Deformities, Open wounds, **Crepitus** stands for, the team may simply state BP-DOC) This statement is correct within each of the skill sheets. The word **CREPITUS** was left out.

Q30: Score card A, Rule 23: Immediate Patient Conditions....any one or more must be present on the patients. Where can teams expect to find the presence of said conditions?

A: The patient will have the results of the respirations, perfusion and mental status in the size of at least an 8.5 X 11 sheet visible to the team upon approach to the victim(s).

Q31: During registration and drawing, will the 3rd team member be designated a team member or bystander?

A: Yes, the 3rd team member will be a team member. See Rule 1 under guidelines and procedures: A first aid team will consist of three members of the registered mine rescue team. The team will not be required to provide a patient.

Q32: Scorecard A Discounts, Rule 15: Teams shall not pad around the head and neck of the patient(s) for suspected spinal injury before the patient is placed onto the backboard. Is applying a cervical collar considered padding the neck? The critical skills for immobilization of cervical spine injury require placing the C-Collar on the patient prior to putting the patient on the backboard.

A: No, cervical collar is part of immobilizing a patient with possible cervical spine injury. See the skill sheet for **IMMOBILIZATION OF CERVICAL SPINE**.

Q33: According to mine rescue rules, I can still list 10 people on my mine rescue team at registration then under Rule 1 on first aid it mentions members of the 8 registered mine rescue members. I understand that each team must carry a minimum of 8 members now but if a team carries 10 members will the first aid or Team Techs be able to be pulled out of the 10 registered members?

A: See Rule 1 under Guidelines and Procedures: A first aid team will consist of three members of the registered mine rescue team. The team will not be required to provide a patient.

Q34: Page 5, #12 Under B says - NOTE: Teams must provide their own recording manikin. Does the team have to purchase a recording manikin? Does this mean that every team must bring their own manikin, whether it mean Annie, or another 1/2 manikin, or recording manikin?

A: See Rule 12: **NOTE: Teams must provide their own recording manikin.**

Q35: Page 6, #24 says that one can get familiar with the AED and Manikin. If you bring your own, it should reference to get familiar with it in lock up.

A: No practicing will be allowed on the field before the beginning of the contest, **with the exception of familiarization of AED and Mannequin.** The team will run a test tape once on their assigned contest field and before the time clock is started to ensure the operation of the manikin. A test tape shall include the team's working number and initials of the Team Captain. The AED will always be a training model with AED functions simulated, if conditions dictate the use of an AED. Judges shall provide an envelope indicating a shockable or non-shockable rhythm.

Q36: Do we need to bring our own AED?

A: Yes, the AED is listed under the minimum equipment required for a team to have to ensure patient(s) can be treated.

Q37: When item one (1) was covered under guidelines and procedures, it referenced the team would consist of a three member team, versus our previous understanding of two working members. Does this guidance reflect a patient provided from our group, or is this a three (3) man working team? We saw the reference later that a patient might be provided in lieu of the use of moulage to be more realistic and we understand and appreciate that, but did want to clarify if the third member was indeed a working first aid member or not.

A: No, the patient will be provided by the contest officials or persons responsible for the contest. See Rule 1 under Guidelines and Procedures: A first aid team will consist of three members of the registered mine rescue team.

Q38: Does a mannequin with a feedback device work for CPR instead of a recording mannequin? The old recording mannequins that print out are not available or supported for purchase.

A: See Rule 12: **NOTE:** Teams must provide their own recording manikin.

Q39: Rule 3 pg. 1-2 first aid teams must at a minimum furnish the basic material list. There is no recording manikin listed on the material list, so manikin are not required for this year's nationals is this correct?

A: It is not included in the recommended equipment list but it is in the rules that it is required. See Rule 12: **NOTE:** Teams must provide their own recording manikin.

Q40: If companies are unable to purchase two manikins (one per team), two computers or two tablets, and two printers will teams still be allowed to compete in first-aid at nationals?

A: Yes, teams can share manikins. If no manikin at all then no team will be turned away but (20) discounts will be added for not completing the procedure of CPR, if included in the problem design.

Q41: Where are all the digital electronic devices kept now to ensure the integrity of the contest?

A: The team members can store them anywhere they want to, EXCEPT on the person(s) while in lock-up or while competing on the first-aid field where they are competing.

Q42. Can you tell me please how many working team members are on the first aid team? Is it the traditional 2 and a patient? Which means the patient would have to take the written exam. According to the new rules there are 3 working team members.

A: See Rule 1 under Guidelines and Procedures: A first aid team will consist of three members of the registered mine rescue team. The team will not be required to provide a patient and patients will not be required to take the written test for First-Aid.

Q43. Page 2, Rule 3 C, Page 3, Rule 4 C, Page 13 Rule 16 – Mask/face shield, does the mask need to be medical grade, surgical or can it be a fabric mask?

A: Must meet CDC guidelines for Mask requirements. Taken from the recommended equipment list: Mask/face shields or masks and goggles combination meeting blood borne pathogen requirements.

Can a neck-gator be used as a mask?

A: No, should meet CDC guidelines.

Do safety glasses adequately substitute for a face shield or goggles?

A: No

Q44. Page 5, Rule 12 B – which recording CPR manikin is recommended?

A: See Rule 12: **NOTE:** Teams must provide their own recording manikin. Per the rule, it only reads that it is to be a recording CPR manikin. No particular brand is required.

Q45. Page 13 Rule 8 – in preparation for the first aid station, our team members put several strips of tape on our shirts and pants in order to have it readily available when working the problem. Will our team be assessed this discount?

A: Yes, as per Rule 8 from Scorecard A discounts: The team's material and equipment (jump kits, splints, etc.) may not be assembled or donned (excluding BSI) until after the timing device is started.

Q46. Guidelines and Procedures

12. Teams must provide their own recording manikin. Does this mean any recording manikin or is there a minimum requirement?

A: See Rule 12: **NOTE:** Teams must provide their own recording manikin. Per the rule, it only reads that it is to be a recording CPR manikin. No particular brand is required.

Q47. There seems to be some confusion on which material changes. Is it only the AHA BLS Student Handbook?

A: Yes. The rule is found in Guidelines and Procedures Rule 23 states: The Eleventh Edition of Brady "Emergency Medical Responder – First on the Scene" (Chapters: 3, 4, 6, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23 and 27) and the current American Heart Association BLS Student Handbook (as of January 1st of the contest year) are authorized for reference and guidance.

Q48. Appeals: When not using electronic review the team has 30 minutes. If using electronic review process the team will have 45 minutes to review upon the "read receipt" of the email, but no more than two hours from the time it was posted. If a team does not reply to the "read receipt" request they would have two hours as opposed to 45 minutes. If delivery request is used, the sender would have a notification of delivery even if the team fails to send a "read receipt" back. Electronic may be the way to go from a team perspective.

A: **IN PERSON:** The first aid team will be notified by a posting outside the "designated location" for appeals at the contest site. The first aid team and team trainer will have thirty (30) minutes to review the judges' scorecards, written examination scores, etc. and prepare/submit any written protests. No additional appeals will be accepted after the 30-minute time limit.

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- Electronic Reviews received by the Contest Officials after the 2-hour time limit or after the 45-minute review time limit will not be accepted.

Q49. There are some big differences with respect to how MNM teams competed, especially in the verbalization of the skill sheets. Coal did a judges training video some time back that highlighted some of the verbalization using a team working on an actual problem. Is it possible to have access to that type of information for our MNM teams seeking to be competitive?

A: Yes. The committee will look into this and if it is available, we will attempt to get it on the website.