

# API-SIEE Reliable Exam Preparation, New Soft API-SIEE Simulations

## API SIEE SOURCE INSPECTOR ELECTRICAL EQUIPMENT EXAM 2026 COMPLETE PRACTICE QUESTIONS AND ANSWERS

- entrance Ell. Answer:
  
- Meter Base. Answer:
  
- Service Head. Answer:
  
- Ground Rod. Answer:
  
- Ground Rod Clamp. Answer:
  
- #6 Gauge Grounding Wire (solid). Answer:
  
- #14-2 w/Ground nm Cable. Answer:
  
- #12-2 w/Ground nm Cable. Answer:
  
- #12-3 w/Ground nm Cable. Answer:

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Our API-SIEE practice questions are carefully compiled by our professional experts to be sold all over the world. So the content should be easy to be understood. The difficult questions of the API-SIEE exam materials will have vivid explanations. So you will have a better understanding after you carefully see the explanations. At the same time, our API-SIEE Real Exam just needs to cost you a few spare time. After about twenty to thirty hours' practice, you can completely master all knowledge.

### API API-SIEE Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>• Electrical Induction Motors: Covers design and construction standards, materials of construction, and motor testing requirements for electrical induction motors.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>• Electrical Inspection Tools and Test Equipment: Covers the tools and test equipment used by inspectors to perform electrical source inspections.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>• Equipment Risk Assessment: Focuses on developing inspection project plans, inspection and test plans, and reviewing reports to assess equipment risk.</li></ul>

Topic 4	<ul style="list-style-type: none"> <li>• Examination Methods, Tools and Equipment: Covers the inspection techniques used in the field, including dimensional, visual, electrical testing, functional testing, and coatings inspections.</li> </ul>
Topic 5	<ul style="list-style-type: none"> <li>• Terms and Definitions: Covers the foundational terminology and definitions used throughout electrical source inspection work.</li> </ul>
Topic 6	<ul style="list-style-type: none"> <li>• Motor Control Centers (Low to Medium Voltage): Covers design standards, materials, enclosure types, breakers, amp capacity, cable entry, and grounding components for MCCs.</li> </ul>
Topic 7	<ul style="list-style-type: none"> <li>• Source Inspection Management Program: Addresses the organizational framework and management practices that govern source inspection programs.</li> </ul>

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## New Soft API-SIEE Simulations, Accurate API-SIEE Answers

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## API Source Inspector Electrical Equipment Sample Questions (Q80-Q85):

### NEW QUESTION # 80

During transformer inspection, the source inspector should verify that alarm, control, and trip settings on temperature and level indicators are:

- A. as specified
- B. omitted unless requested by operations
- C. identical for every transformer rating
- D. determined only by the freight forwarder

**Answer: A**

### NEW QUESTION # 81

In addition to purchase order requirements and company standards, what document would provide the details for correct coatings application?

- A. Manufacturers' Recommendations
- B. Inspection and Test Plan
- C. ASME BPVC Section II
- D. Quality Plan

**Answer: A**

Explanation:

The correct answer is B. In source inspection of electrical equipment, coating quality is verified not only against the purchase order, project specifications, and company standards, but also against the coating manufacturer's application instructions and recommendations. These recommendations normally provide the practical details needed to achieve an acceptable coating system, such as required surface preparation, environmental limitations, mixing instructions, thinning limits, application method, dry film thickness range, recoat intervals, curing conditions, and compatibility between primer, intermediate, and finish coats.

This is important because a coating may technically match the specified product name, yet still fail in service if it is applied outside the manufacturer's limits. From an API source inspection perspective, the inspector reviews whether the supplier's coating process follows the approved system requirements and whether application conditions and records support compliance. A Quality Plan describes how quality activities are managed, but it does not usually contain the detailed technical application instructions. An Inspection and Test Plan identifies what will be checked and when, not how the coating should be applied. ASME BPVC Section

It addresses material specifications and is not the governing application guide for paint systems.

### NEW QUESTION # 82

Why should the dates for source inspection scheduled work process events such as the pre-inspection meeting, key inspection events and anticipated shipping date be identified in advance?

- A. To provide a sound basis for inspection and test planning for each shop
- B. To be able to assign inspectors to the shops in order not to conflict with other projects
- C. To allow coordination with other project members involved in the activity
- D. To ensure that all dates will meet the project schedule and quality requirements

**Answer: C**

Explanation:

The correct answer is A. In the API source inspection process, planned dates for events such as the pre-inspection meeting, key inspection points, witness or hold activities, and the anticipated shipping date must be identified early so that everyone involved in the supply and inspection chain can coordinate their responsibilities. This includes the purchaser, supplier or vendor, source inspector, expediting personnel, quality representatives, and sometimes third-party test witnesses. Advance identification of these dates helps ensure that the right people, documents, and inspection resources are available at the right time and that critical manufacturing or testing stages are not missed.

Option B sounds reasonable, but identifying dates in advance does not by itself guarantee that schedule and quality requirements will be met. Option C is only part of the benefit, not the main reason. Option D may be a practical staffing advantage, but it is narrower than the overall project coordination purpose.

From an API guide perspective, source inspection is a planned and coordinated activity, not a last-minute visit.

Therefore, the main purpose of identifying these dates early is to allow coordination with all project members involved in the activity.

### NEW QUESTION # 83

What is the interrupting rating of a piece of equipment?

- A. The crest current rating that a device has been certified to safely interrupt
- B. The symmetrical current rating that a device has been certified to safely interrupt
- C. The load current rating that a device has been certified to interrupt
- D. The peak current rating that a device has been certified to interrupt

**Answer: B**

Explanation:

The correct answer is B. The interrupting rating of electrical equipment is the maximum symmetrical fault current that the device has been tested and certified to safely interrupt at its rated voltage and under specified conditions. In switchgear, circuit breakers, and related protective devices, this rating is critical because it confirms the equipment can open a faulted circuit without rupture, fire, excessive damage, or danger to personnel.

The term does not refer to the peak or crest current value. Peak or crest current is associated more closely with momentary withstand, closing, or short-circuit current peak effects, not the formal interrupting rating used for breaker application. It also does not mean ordinary load current, because interrupting ratings are concerned with abnormal fault conditions rather than normal operating current.

From an API source inspection perspective, the inspector verifies that the nameplate data, test reports, and purchase specification all agree on the required interrupting capacity. If the interrupting rating is below the available fault current of the system, the equipment is unsuitable for safe service. Therefore, the correct definition is the symmetrical current rating safely interruptible by the device.

### NEW QUESTION # 84

According to NFPA 70, the number of bends permitted between pull points for rigid metal conduits RMC shall not be more than:

- A. the equivalent of four quarter bends 360 degrees total.
- B. four bends provided the bend radii is at least 10 times the conduit diameter for conduit greater than 3/4 inch 19 mm.
- C. four bends provided the radii is less than 5 times the conduit diameter.
- D. the equivalent of six quarter bends.

**Answer: A**

**Explanation:**

The correct answer is B. NFPA 70, which governs installation requirements for electrical raceway systems, limits conduit runs between pull points such as outlet boxes, junction boxes, conduit bodies, or pull boxes to no more than the equivalent of four quarter bends, or 360 degrees total. This rule applies to rigid metal conduit and is intended to ensure that conductors can be installed, pulled, and replaced without excessive mechanical stress or insulation damage.

From a source inspection and quality surveillance perspective, this requirement is important because conduit routing directly affects installation quality, conductor integrity, and maintainability. Excessive bends increase pulling tension and sidewall pressure, making conductor damage more likely during installation. Too many bends can also complicate future maintenance and cable replacement. During inspection of electrical systems, the source inspector verifies that conduit design, fabrication details, and installation-related drawings align with code requirements and do not introduce nonconforming field conditions.

Option A exceeds the code limit. Options C and D introduce bend-radius conditions that do not replace the fundamental NFPA 70 maximum of 360 degrees between pull points. Therefore, B is the verified answer.

**NEW QUESTION # 85**

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