



AM2 Expert Talk and Q&A Clinic

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Voltimum Live - Thursday 10th June 1pm



Overview

- About NET
- Planning and Preparation
- Common Errors
- Marking and Feedback
- Re-sits
- Misconceptions
- NET Resources
- Q&A



About NET

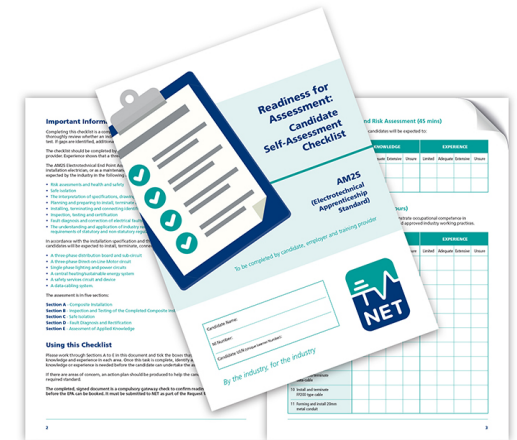
- Independent Assessment of Competence Organisation
- End Point Assessment Organisation
- Registered Charity
- Established 1983

Preparing for AM2

- Are you ready?
- Your employer must be on board
- Need to hold:
 - AM2: Level 3 Vocational Certificate or apprenticeship framework route
 - AM2S: Apprenticeship Standard
 - AM2E: Experienced Worker Qualification
- Signed checklist by all parties

The AM2 Checklist

- Maps out each section of the AM2/S/E and what you'll be required to do during the assessment.
- Be brutally honest – you are your wasting time and money if you attempt the assessment without knowledge and experience in these areas.
- Your training provider should not be pushing you to sign this until you are confident.
- The checklist must be signed by all parties and submitted before an assessment can be booked.

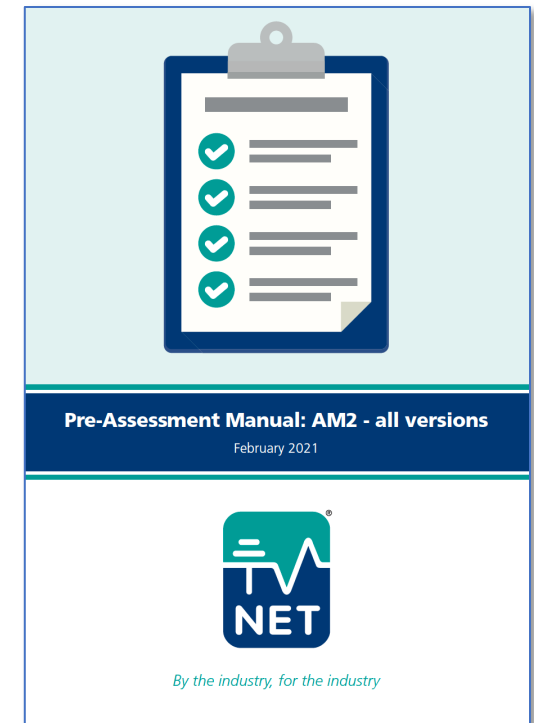


AM2/S/E sections

- **Section A1:** Safe Isolation
- Composite Installation:
 - **A2:** Installation of Lighting and Ring Final circuits
 - **A3:** Installation of 3-phase circuit
 - **A4:** Installation of Central Heating control circuit
 - **A5:** Installation of Main Protective Bonding, Safety and Data circuits
 - **A6:** Installation of Containment (AM2S and AM2E only)
- **Section B:** Inspection, Testing & Certification
- **Section C:** Safe Isolation of Circuits
- **Section D:** Fault Diagnosis and Rectification
- **Section E:** Assessment of Applied Knowledge

Pre-Assessment Manual

- Covers each section in-depth
- General information about the day – arrival, induction etc.
- Study this before the assessment
- Look carefully at the common errors to avoid



Common Errors

- **Section A1 – Safe Working Practices**

- Not demonstrating the correct procedure for Safe Isolation of Supplies
- Not proving the test equipment before and after Safe Isolation
- Not leaving the key in a secure place
- Not fitting warning notices

Common Errors

- **Sections A2-A6 – Installation**

****Not following the specification****

- Not installing the circuits in accordance with BS 7671
- Selecting the wrong type of protective device
- Selecting the wrong size and type of conductors
- Glands or clamps are tightened insufficiently
- Conductors in terminals are not sufficiently secured
- Conductors are not correctly identified

Common Errors

- **Sections A2-A6 – Installation cont...**
 - Removing too much or too little insulation
 - Circuits do not function effectively
 - Not ensuring effective segregation of extra low voltage and low voltage cables

Common Errors

- **Section B – Inspection, Testing and Certification**

- Test instrument is not prepared or set on the correct range
- Tests are not carried out in accordance with Guidance Note 3
- Test results are not recorded
- Test results are not verified against BS 7671
- Documentation is not completed correctly or accurately
- Candidate doesn't verify that the installed circuits and equipment function as intended
- Connections are not reinstated correctly

Common Errors

- **Section C – Safe Isolation of Circuits**

- Section A1 errors:
 - Not demonstrating the correct procedure for Safe Isolation of Supplies
 - Not proving the test equipment before and after Safe Isolation
 - Not leaving the key in a secure place
 - Not fitting warning notices
- Candidate turns off other circuits
- Candidate does not check switches on the circuit

Common Errors

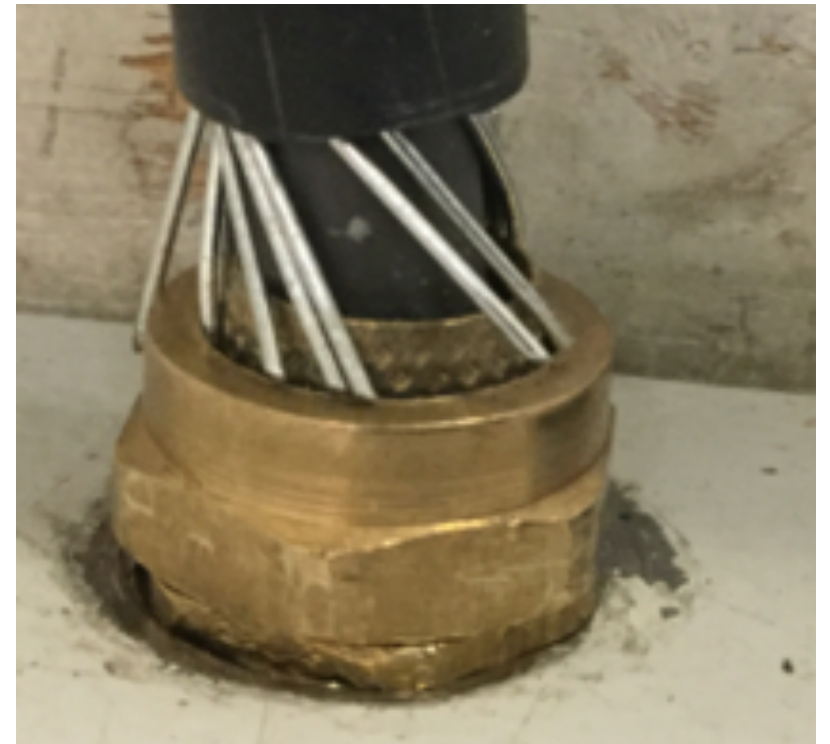
- **Section D – Fault Diagnosis and Rectification**

- Faults are not correctly identified
- Candidates do not record a correct method for rectifying the faults

- **Section E – Assessment of Applied Knowledge**

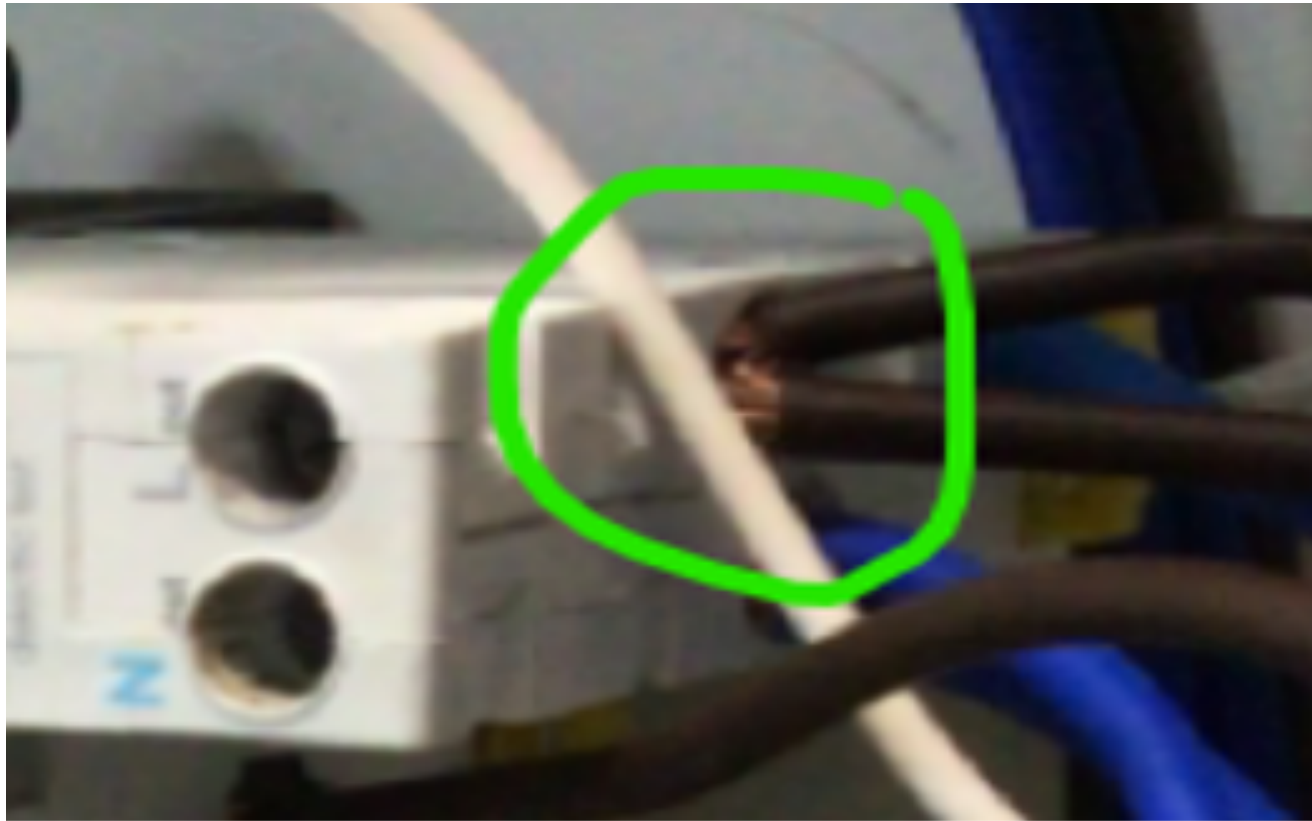
- Candidates do not understand how to access information from BS 7671
- Candidates do not understand the requirements of the Building Regulations

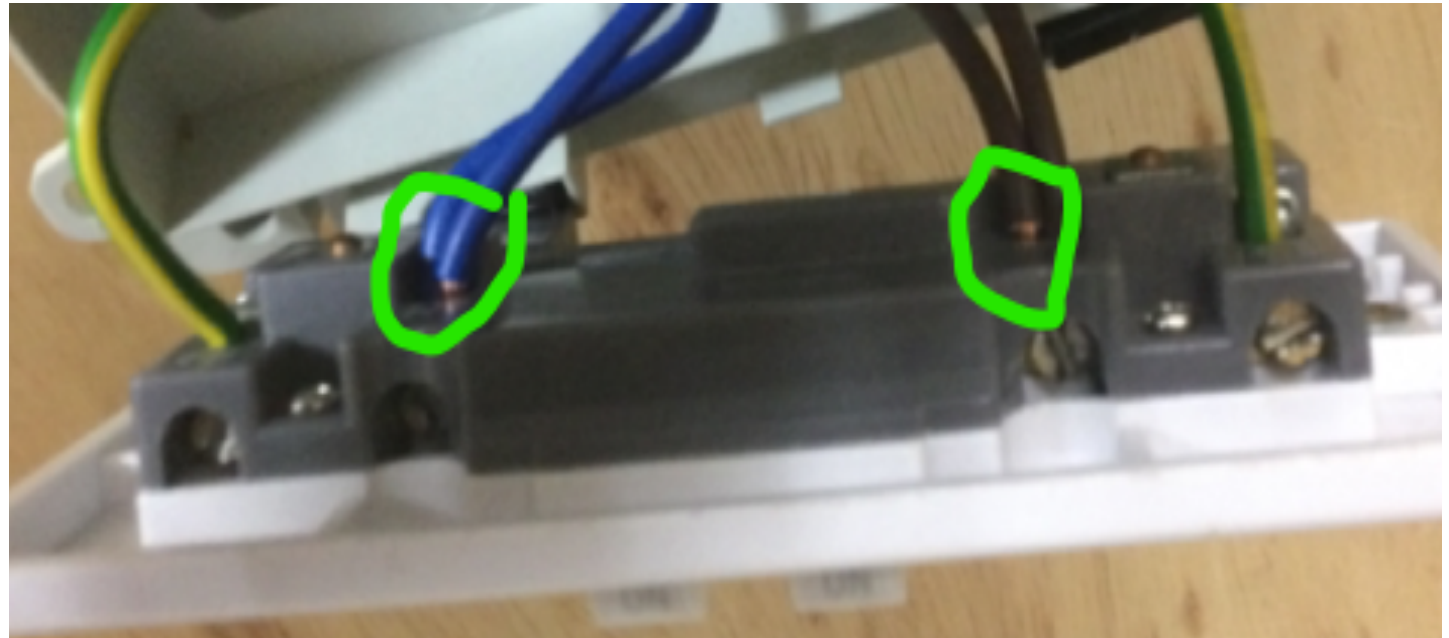
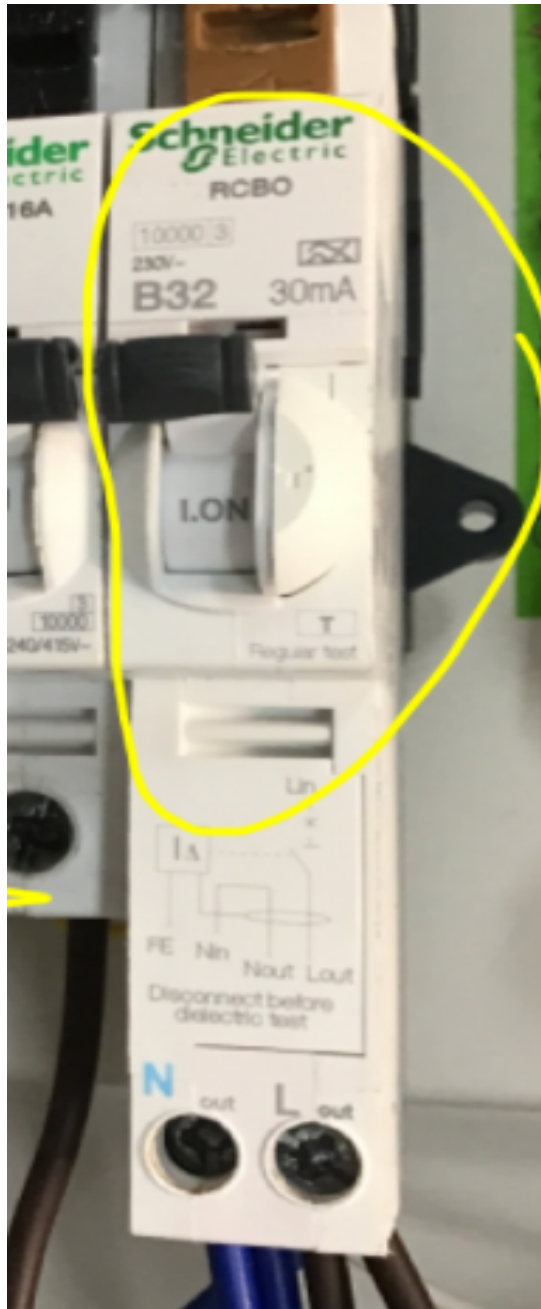
Examples:

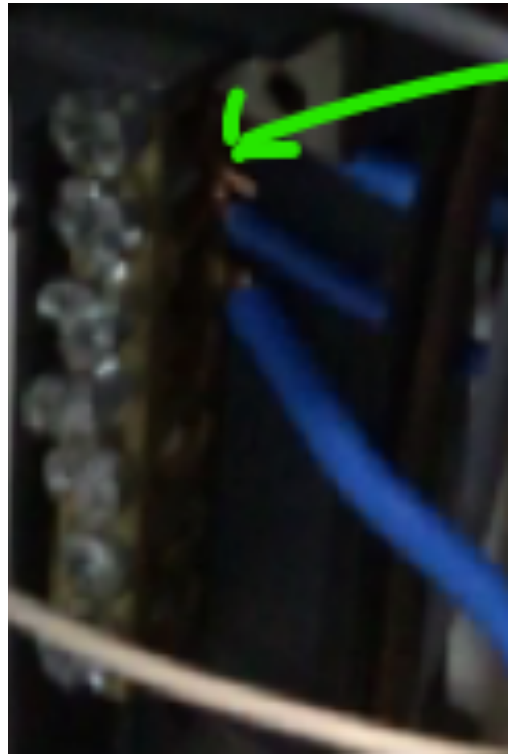
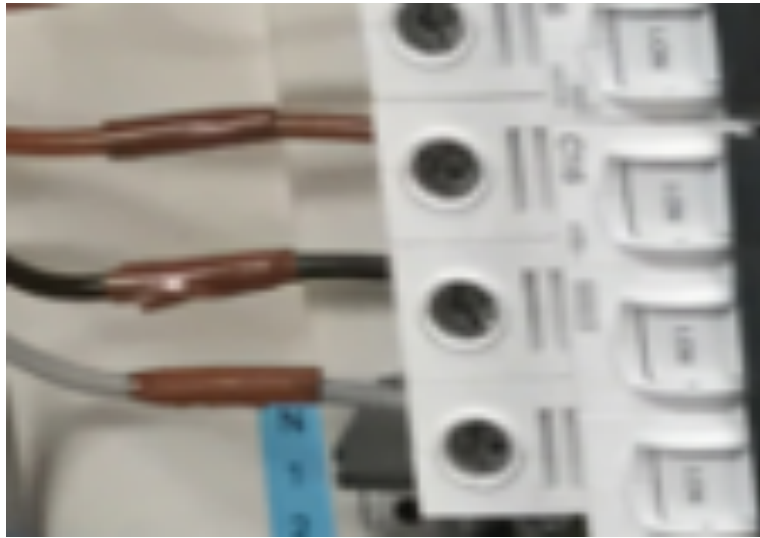


Main switch / Switch fuse / Circuit breaker / RCD				If RCD main switch			
Location	Distribution Board	Current rating	125	A	Rated residual operating current ($I_{\Delta n}$)	0	mA
		Fuse / device rating or setting	0	A	Rated time delay	0	ms
BS (EN)	609474	No. of poles	4		Measured operating time (at $I_{\Delta n}$)	0	ms
		Voltage rating	400	V			

N/A	N/A
608984	B
600984	B
609472	C
609472	C
609472	C
610093	C
	B
N/A	N/A
609472	C
609472	C
609472	C
N/A	N/A
N/A	N/A









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Marking and Feedback

- The assessment is marked against strict, objective criteria and the assessor only marks Yes or No against a series of questions about your work.
- The assessor does not exercise personal judgement on this marking criteria and does not submit opinions on the quality of your work – **it's fully independent**
- It can only be based on what you do on the day - not on the word of your employer or friend, it's a fair, standard, objective assessment.

Marking and Feedback cont...

- We have recently enhanced feedback... for example:

Installation of Lighting and Ring Final circuits		The candidate did not achieve the required standard
✗	Installation of a Lighting circuit	The candidate did not achieve the required standard
You did not achieve the required assessment standard in the following areas:		
Following the specification issued		
Completing connections/terminations to industry standard		
The installed circuit was not completed to a fully functioning standard		
Selecting the correct equipment		
Positioning the equipment to the specification issued		
Selecting the correct cable as per specification		

- NET is unable to give detailed feedback on specific marking points, to ensure the credibility of the assessment.
- The assessment is an indicator of competence – not ‘train to pass’.



Re-sits

- If you are unsuccessful, look at failure areas and re-training before rebooking
- Don't just re-book without any consideration
- Review the NET preparation materials

Misconceptions

“The assessor didn’t like me.”

“This is the way I always do it on site and it’s fine.”

“NET wants us to fail so they can make more money on a re-sit.”

“I failed because of inadequate equipment or materials.”

“This centre is more successful than that one.”

“I’ll sit this one even though I’m not prepared and if I fail I’ll just re-sit.”



Becoming a NET centre

- Currently 51 AM2 centres across England, Wales and NI
- Network is constantly expanding
- More information at <https://www.netservices.org.uk/becoming-a-net-centre/>
- Or contact Darren darren.oates@netservices.org.uk



Resources on the NET website

- Checklist and Pre-Assessment Manuals
- Top Tips videos
- Find a NET centre – the NET website is the only place to find all centres across England, Wales and NI
- Coming soon – interactive resources for inspection and testing practice

www.netservices.org.uk



Any Questions?