ELECTRICALLY QUALIFIED PERSON EVALUATION (SF125)

Mercedes-Benz

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This evaluation is conducted in order to document that an electrical worker is “qualified” for work being performed at MBUSI. The NFPA 70E defines a qualified person as: “one who has demonstrated skills and knowledge related to the construction and operation of the electrical equipment and installations and has received safety training to identify and avoid the hazards involved.”
Electrical workers must demonstrate their skills and knowledge to a qualified observer. Completed form must be returned to AIDT to receive credit.

Team Member Information

Name* _____ Badge#* _____

Evaluation Items

	Completed Properly? Yes	No
1. Observe the worker determining the Level of the Electrical Hazard.	☐	☐
2. Observe worker turning off a fused disconnect switch/Control Panel Disc.	☐	☐
3. Observe worker lock fused disconnect out.	☐	☐
4. Have worker determine the approach boundary distances.	☐	☐
5. Observe worker open the disconnect box.	☐	☐
6. Have worker distinguish exposed energized conductors and circuit parts from other parts of the equipment.	☐	☐
7. Have the worker determine the nominal voltage of exposed energized conductors and circuit parts.	☐	☐
8. Observe worker conduct a 12 point test with voltmeter.	☐	☐
9. Observe worker unlock the disconnect and turn it back on.	☐	☐
10. Did the worker use the proper PPE?	☐	☐
11. Did the worker use the voltmeter properly including the Test/Try/Retest validation process?	☐	☐
12. Worker understands the hazards of “Electrical Freezing” and has demonstrated how to use a rescue hook (J Hook).	☐	☐

Through this evaluation process, HAS / HAS NOT
demonstrated: ☐ ☐

1. The proper decision making process;
2. The necessary job safety planning, hazard identification, risk assessment;
3. The appropriate risk control methods including the proper selection of personal protective equipment.




Arc flash glove usage

Opening the panel doors and troubleshooting:

If using a meter on voltage over 50V you must use Arc Flash/Shock protection gloves along with the correct PPE as marked on the Arc Flash Label. Assume the Arc Flash label is greater than 1.2 cal/cm^2.

Note: You can NEVER, use non insulated tools in MBUSI panels.

When replacing components, drive breakers etc.:

You must isolate yourself from voltage over 50v. Switch off the main disconnect and lock out. The line side is hot, so you cannot remove your Arc Flash PPE. IF the Arc/shock glove is too bulky to replace the component then switch to an Arc rated glove stamped with an arc rating. You can NOT use these gloves near exposed contacts, such as fusing, with one side live. Stay out of the restricted boundary (1 foot) from exposed contacts.

IF the 3 phase line side of the disconnect is live (hot), then you must wear arc rated gloves when working inside the panel. IF you must use bare hands to do the work, then 3 phase incoming voltage must be turned off externally. Use the safety disconnect, if available.

Before you switch power to a system off a bus plug, contact your supervisor for special instructions.

Never attempt to interact with the hot line side conductors. This is considered hazardous and is not allowed without an energized work permit.

	Yes	No
1. Can you use Arc flash only gloves (no shock protection) inside the restricted 1 foot boundary?	☐	☐
2. Can you work on live conductors using Rubber gloves and an insulated screwdriver?	☐	☐
3. Can you work bare handed in a panel with the line side of the disconnect LIVE?	☐	☐
4. Can you switch on or off a circuit breaker without arc flash or arc/rubber gloves on?	☐	☐

5. When can you work bare handed inside panels at MBUSI? (____)
   - ☐ If I work fast
   - ☐ Only if all 3 phase voltage has been ELIMINATED

Printed name **(Digital) Signature & Date**

Evaluated by/
Supervisor:

*Please open the pdf with Adobe Acrobat Reader to sign the document. You can find a guide on 'how to use the digital signature function' **here***

If all relevant signatures are on the form, click **submit** to send the form via email to 138_aidt-forms-inbox@mercedes-benz.com.

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