

**IMDM INNER – Brookwood Substation – 15<sup>th</sup> of July**

**Title: Electric Shock Incident      Injury: Burns to hand**

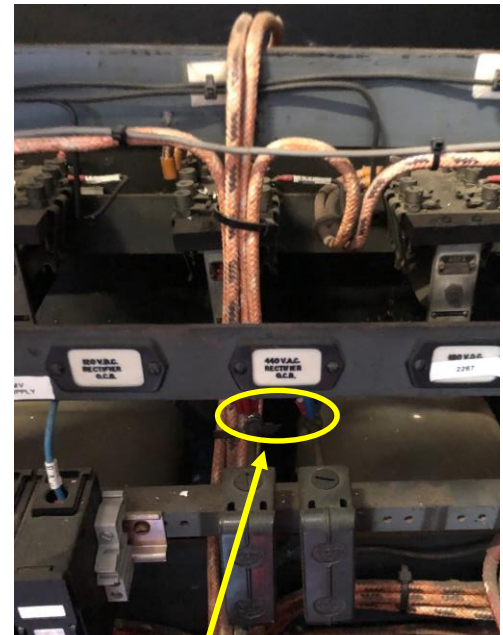
**Incident**

A 3 man team were sent to investigate a rectifier fault at Brookwood Substation. Upon further investigation it was believed to be a fault with the local/remote switch within an EHT (switch gear control) panel.

Due to the age of the equipment it was not possible to isolate the whole panel, so live equipment sources were still present. During the fault repair work, the Senior Team Leader was explaining the panel components to a less experienced colleague, identifying what parts were isolated and where there were live sources.

After cleaning the contacts of the rectifier local/remote switch, the Team Leader removed his arm from the panel and was bringing out his hand when it came into contact with the exposed live 435v terminals.

The Team Leader was taken to hospital as a precautionary measure, where an ECG (Electrocardiogram) and blood test were carried out. These tests all came back clear and the IP returned to work the following day. The only sign of injury were 2 small burns on the base of his thumb.



The exposed live terminals

**Items for discussion**

- Where 'Live' exposed electrical equipment is present, what can you do to protect yourselves? (Think RISK!)
- Can a form of protective matting be used to reduce the risk of accidental exposure?
- How can you highlight the potential risks to your colleagues?
- Where any contact with 'Live' electrical equipment takes place. **DON'T CHANCE IT, GET CHECKED.** Visit your local hospital or A&E.
- This incident took place **AFTER** the task had been completed, think RISK at all times.