



SAFE PLACEMENT OF RMU AND RTU'S

OVERVIEW

Recent audits completed by Technical Assurance have identified a number of newly installed Ring Main Units (RMU's) and Remote Terminal Units (RTU's) within secondary substations that have been positioned without consideration for the safety of the operator in the event of a fault on the switchgear or cable boxes.

DETAIL

SF6 RMU's and their cable boxes are equipped with internal arc protection/pressure relief ventilation and are designed to vent to the rear of the switchgear.

The pictures below show examples of where RMU's and RTU's have been positioned such that in the event of a fault on either the RMU or the cable boxes, the arc would be vented on to the RTU or the front of the other RMU where an operator could be standing.

WHAT YOU NEED TO DO

All staff involved in the design, planning and delivery of installing / replacing assets within substations shall:

- Ensure RMU's are positioned so that, in the event of a fault, the operator would not be at risk from the arc ventilation on either the RMU or the cable boxes of the RMU being operated or adjacent switchgear.
- RTU's should be positioned so that operators do not have to exit the substation past the switchgear that is being operated remotely via the RTU. They should not be positioned behind switchgear.
- If the site layout limits the options available to install the required assets in accordance with this bulletin, escalate to your line manager for further guidance.



Primary communication via
Line Manager complete by (X)

1 week

2 weeks

X

1 month

Additional communication (X)

Learning points

1st 15

Team Brief slide

Line management must ensure appropriate employees understand the content of this document within the timescale shown.
This document is subject to compliance audits after the communication deadline.