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STANDARDS BRANCH  
-POWER DIVISION-

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**STANDARDS BULLETIN No. : S2-007**

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**SUBJECT : KRONE KES/10 SWITCHGEAR - LIVE SWITCHING**

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**BACKGROUND**

Standards Bulletin No S2-007 was issued on 04/10/91 placing an embargo on the live operation of Krone KES/10 switchgear. This embargo was placed due to reported problems that a certain Authority had experienced with this switchgear. The Standards Branch conducted an investigation using a questionnaire asking various Authorities that are using Krone KES/10 switchgear to report if the problems were confined to a particular piece of equipment or wide spread through the switchgear.

The results of the questionnaire show that while some of the Authorities surveyed have had a few minor problems the majority of Authorities continue to operate Krone KES/10 switchgear live.

These results were discussed with System Control in Darwin and Operational personnel in other regions and it was agreed that provided certain pre-cautions were carried out Krone KES/10 and KES/10/3 switchgear could be operated alive.

**ACTION**

Standards Bulletin No S2-007 is now amended and Krone KES/10 and KES/10/3 switchgear can be operated alive provided that the following conditions are met:

- 1) Fully home indicators are fitted.
- 2) New poly-carbonate collars are fitted to the KES/10/3 three (3) phase links.
- 3) Personal Protective Equipment as follows is worn:
  - a) Neck to ankle to wrist 100% cotton clothing
  - b) HV rubber gloves
  - c) Heat resistant face shield and (optional) safety spectacles
- 4) It is to energise or de-energise Transformers Off-Load.  
i.e. Secondaries opened