



**SIGNAL ENGINEERING INSTRUCTION**  
**December 2005**  
**ESI 05 01N**

**Level Crossing Monitor – Hardware Reset**

In a recent incident, the hardware reset facility on the Cerebus Level Crossing Monitor had been used to cancel an unknown fault alarm on the system. The actual fault was not diagnosed or rectified. This situation left the original cause of the fault still on the system. This action can also cause the system to interrupt the cycle for self-checking.

**The following process is to be adopted by all ARTC maintenance staff.**

**When a Cerebus Level Crossing monitor gives a Yellow or Red Alarm, then the cause is to be investigated and determined. Logs are to be downloaded and analysed.**

**If the cause of the Alarm is not determined, then the warning condition shall remain on the system and further advice sought from engineering staff. The support is to be appropriately escalated until the issue is resolved.**

**The attending maintenance staff shall confirm to the Signaller / Train Controller the details of the alarm as follows: level crossing name, type of alarm and person attending the alarm. The Train Controller should record this information in the shift journal.**

**When the cause of the Alarm is determined and rectified, the attending maintenance staff shall advise the Signaller / Train Controller of the cause of the alarm; rectification action undertaken; time when the actions were completed and the name of the person who certified the alarm as resolved.**

All Hardware Resets are to be recorded by ARTC maintenance staff.

John Cowie  
Manager Standards & Systems

**Audience**

Signalling  
Maintenance  
Staff

**Main Points**

Hardware Reset only after diagnosing & fixing any issues.  
  
Hardware Resets to be recorded.

**Enquiries**

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