

# NAFLIC

*National Association For Leisure Industry Certification*

## Standards & Related Documents Subcommittee

### TECHNICAL BULLETIN - MARCH 1994

#### 079. Electrical and Electronic Systems

The Joint Advisory Committee for Health and Safety in the Fairground Industry (JAC), at its March 1994 meeting, discussed the lessons underlying a number of incidents and two Dangerous Occurrences in 1993 involving electrical control systems.

The discussion referred to several paragraphs of "Fairgrounds and Amusement Parks - A Code of Safe Practice". In particular, paragraphs 16, 228 and 229 are especially relevant and there is additional information in the Technical Annex.

The incidents that occurred in 1993 highlighted the following points :-

- (a) the need for the initial Design Review to include the electrical control system and, where a programmable system is used, the programme;
- (b) the importance of covering safety critical electrical circuits during the annual Thorough Examination and daily inspections;
- (c) the need to investigate all instances of electrical malfunction and involve the supplier, the consulting engineer who carried out the Design Review or the Appointed Person, as appropriate, if the fault cannot be readily identified;
- (d) for those directly imported rides, the need to ensure that the electrical control systems are included in the Design Review and that there is sufficient reliable documentation to deal with (a) to (c) above.

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