

NAFLIC

National Association For Leisure Industry Certification

Standards & Related Documents Subcommittee

TECHNICAL BULLETIN - JULY 1994

093. Reverse Driving of Rides

The Subcommittee has been requested to express a view on the advisability or otherwise of operating rotating rides in the reverse direction - hence this Technical Bulletin. We realise that this TB could apply to a variety of generic ride types and therefore make reference to none in particular.

The simplest example involves amusement devices for which the designer has included reverse driving in his specification, calculations etc. which have been confirmed by Design Review. Unless there is an incident requiring reconsideration by the designer and design reviewer, then the design safety of reverse driving has clearly been confirmed.

A more common situation is when a ride controller wishes to reverse drive a ride which has not been designed, reviewed and documented with it in mind. In this case, revisions to the design specification, calculations and Design Review are clearly necessary to comply with "Fairgrounds and Amusement Parks - A Code of Safe Practice". The previous sentence also applies to rides which predate 1984 (the introduction of Design Review).

The following procedure is therefore likely to be necessary

- Check whether the Instruction Manual includes instructions and recommendations for reverse driving
- Check whether any written design specification refers to reverse driving
- Check whether the Report of Design Review has confirmed the specifications, calculations etc. which relate to reverse driving

If any of these items are absent then the appropriate work would be necessary.

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