

RSA-MIL-HDBK-34

THE TAILORING OF BRAKING SPECIFICATIONS FOR ABNORMAL MILITARY VEHICLES: HANDBOOK FOR

SCOPE

1. Purpose

The purpose of this document is to aid the user and the designer of an abnormal heavy military vehicle to tailor the SABS Motor Vehicle Safety Standard Specification for Braking (SABS 1207- 1985).

2. Application Guidance

- a. Require compliance with all the requirements of SABS 1207-1985 Motor Vehicle Safety Standard Specification for Braking except in the case of special vehicles where concessions may be considered in respect of:
 - i. the characteristics of the braking devices.
 - ii. braking performance on reduced road adhesion.
 - iii. secondary braking system performance.

- b. Consider concessions to the requirements of SABS 1207-1985 when compliance will result in:
 - i. the risk of reduced operational mobility.
 - ii. un-orthodox and complex design solutions which may result in lack of reliability, availability and maintainability.
 - iii. non cost-effective design solutions.

- c. Seek to use the minimum concessions, and endeavour to avoid compounding effects. Consider other measures to counteract the concessions where possible, e.g. added corrosion protection, increased design factors of safety, special maintenance procedures, or special on road operating procedures requiring escort or ballast.