

FOREWORD

In response to requests from manufacturers and users, the B56 Committee established the B56.6 Subcommittee to create this Standard. The first Subcommittee meeting was held December 5, 1974.

Six Subcommittee meetings were held for preparation of the standard, and a proposed standard dated March 25, 1976 was presented to Sectional Committee members for study. The first edition of the standard was approved and published in 1978 as an American National Standard.

In August 1982, the B56.6 Subcommittee began working on a revision to the 1978 standard. The revised standard was subsequently approved by the B56 Committee and the sponsor. The American National Standards Institute approved the standard on January 23, 1987.

Following approval by the B56 Committee and ASME, and after public review, ASME B56.6-1992 was approved by ANSI on December 15, 1992.

The 2002 Edition incorporates changes made in the B56.6a-1994 and B56.6b-1998 supplements, as well as additional revisions. It was approved for issuance as an American National Standard on April 9, 2002.

Safety codes and standards are intended to enhance public health and safety. Revisions result from Committee consideration of factors such as technological advances, new data, and changing environmental and industry needs. Revisions do not imply that previous editions were inadequate.

NEW ④

THIS STANDARD SHALL BECOME EFFECTIVE 1 YEAR AFTER THE DATE OF ISSUANCE. PART III APPLIES ONLY TO TRUCKS MANUFACTURED AFTER THE EFFECTIVE DATE.

PART II FOR THE USER

(POWER STEERING OR EQUIVALENT),
STEERING KNOBS MAY BE USED.
WHEN USED, STEERING KNOBS
SHALL BE

5 GENERAL SAFETY PRACTICES

5.1 Introduction

5.1.1 Rough terrain forklift trucks can cause injury if improperly used or maintained.

5.1.2 Part II contains broad safety standards applicable to rough terrain forklift truck operations. Only authorized operators trained to adhere strictly to the operating instructions stated in Section 6 shall be permitted to operate rough terrain forklift trucks. Unusual operating conditions may require additional safety precautions and special operating instructions.

(02) 5.2 Modifications, Nameplates, Markings, and Capacity

5.2.1 Except as provided in 5.2.2, no modifications or alterations to a rough terrain forklift truck, which may affect the capacity, stability, or safe operations of the truck, shall be made without the prior written approval of the original truck manufacturer or its successor thereof. When the truck manufacturer or its successor approve a modification or alteration, appropriate changes shall be made to capacity plates, decals, tags, and operation and maintenance manuals.

5.2.2 In the event that the truck manufacturer is no longer in business and there is no successor in interest to the business, the user may arrange for a modification or alteration to a rough terrain forklift truck, provided however, the user shall:

- (a) arrange for modification or alteration to be designed, tested, and implemented by an engineer(s) expert in rough terrain forklift trucks and their safety;
- (b) maintain a permanent record of the design, test(s), and implementation of the modification or alteration;
- (c) make appropriate changes to the capacity plate(s), decals, tags, and operation and maintenance manuals;
- (d) affix a permanent and readily visible label on the truck stating the manner in which the truck has been modified or altered together with the date of

the modification or alteration, and the name of the organization that accomplished the tasks.

5.2.3 If the rough terrain forklift truck is equipped with front end attachment(s) or optional forks, the user shall see that the truck is marked to identify the forks or attachment(s), show the approximate weight of the truck and fork or attachment combination, and show the capacity of the truck with forks or attachment(s) at maximum elevation with load laterally centered.

5.2.4 The user shall see that all nameplates and caution and instruction markings are in place and legible.

5.2.5 The user shall consider that changes in load dimension may affect rough terrain forklift truck capacity.

5.2.6 Where steering must be accomplished with either hand and the steering mechanism is of a type that prevents road reactions from causing the handwheel to spin of a type that can be engaged by the operator's hand from the top, and shall be within the periphery of the steering handwheel.

5.3 Stability

5.3.1 Experience has shown that rough terrain forklift trucks that comply with the stability requirements stated in para. 8.6 are stable when properly operated. However, improper operation, faulty maintenance, or poor housekeeping may contribute to a condition of instability and defeat the purpose of the Standard.

5.3.2 Some of the conditions that may affect stability are ground and floor conditions, grade, speed, loading (rough terrain forklift trucks equipped with attachments behave as partially loaded trucks even when operated without a load on the attachment), dynamic and static forces, improper tire inflation, and the judgment exercised by the operator.

5.3.3 Users shall give consideration to special operating conditions. The amount of forward and rearward tilt to be used is governed by the application. Although

(g) oral, written, and operational performance tests and evaluations during and at completion of the course;

(h) refresher courses, which may be condensed versions of the primary course, and periodic, "on job" operator evaluation;

(i) understanding of nameplate data and operator instructions and warning information appearing on the rough terrain forklift truck.

6 OPERATING SAFETY RULES AND PRACTICES

6.1 Operator Responsibility

6.1.1 Safe operation is the responsibility of the operator.

6.1.2 The equipment can be dangerous if not used properly. The operator shall develop safe working habits and also be aware of hazardous conditions in order to protect himself, other personnel, the rough terrain forklift truck, and other material.

6.1.3 The operator shall be familiar with the operation and function of all controls and instruments before undertaking to operate the rough terrain forklift truck.

6.1.4 Before operating any rough terrain forklift truck, truck operators shall have read and be familiar with the operator's manual for the particular truck being operated; they shall also abide by the safety rules and practices in paras. 6.1, 6.2, 6.3, 6.4, and 6.5.

6.2 General

6.2.1 Before starting to operate the rough terrain forklift truck:

- (a) be in operating position and fasten seat belt, if so equipped;
- (b) place directional controls in neutral;
- (c) disengage clutch on manual transmission-equipped rough terrain forklift trucks, or apply brake on power shift or automatic transmission-equipped trucks;
- (d) start engine.

6.2.2 Do not start or operate the rough terrain forklift truck, any of its functions or attachments, from any place other than from the designated operator's position.

6.2.3 Keep hands and feet inside the operator's designated area or compartment. Do not put any part of the body outside the operator compartment of the rough terrain forklift truck.

6.2.4 Never put any part of the body into the mast structure or between the mast and the rough terrain forklift truck.

6.2.5 Never put any part of the body within the reach mechanism of the rough terrain forklift truck or other attachments.

6.2.6 Understand rough terrain forklift truck limitations and operate the truck in a safe manner so as not to cause injury to personnel.

Safeguard pedestrians at all times. Do not drive a rough terrain forklift truck up to anyone standing in front of an object. Exercise particular care during backing and other operations where pedestrians may step into the path of travel of the truck.

6.2.7 Do not allow anyone to stand or pass under the elevated portion of any rough terrain forklift truck, whether empty or loaded.

6.2.8 Do not permit passengers to ride on rough terrain forklift trucks unless a safe place has been provided by the manufacturer that complies with para. ~~8.27~~ 8.26. (02)

The passenger shall:

- (a) remain seated at all times except when entering and exiting;
- (b) fasten the seat belt;
- (c) keep all parts of the body, including hands and feet, inside the passenger compartment;
- (d) keep clear of, and make no contact with, the operating controls of the rough terrain forklift truck.

The operator shall only operate the rough terrain forklift truck in a manner that ensures the passenger's safety.

6.2.9 Check clearance carefully before driving under electrical lines, bridges, etc.

6.2.10 A rough terrain forklift truck is attended when the operator is less than 25 ft (7.6 mm) from the truck, which remains in his view.

6.2.11 A rough terrain forklift truck is unattended when the operator is 25 ft (7.6 mm) or more from the truck, which remains in his view, or whenever the operator leaves the truck and it is not in his view.

6.2.12 Before leaving the operator's position:

- (a) bring rough terrain forklift truck to a complete stop;
- (b) place directional controls in neutral;
- (c) apply the parking brake.