

DRAFT AMENDMENT ISO 9244.2:2008/DAM 1

ISO/TC 127/SC 2

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Earth-moving machinery — Machine safety labels — General principles

AMENDMENT 1

Engins de terrassement — Étiquetage de sécurité de la machine — Principes généraux

AMENDEMENT 1

ICS: 53.100; 01.080.20

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Foreword

A boiler plate text will be inserted by ISO CS from DIS onwards.

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Introduction

This amendment of ISO 9244:2008 brings the standard into harmony with relevant provisions of ISO 3864-2 and ISO 3864-4.

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Earth-moving machinery — Machine safety labels — General principles

AMENDMENT 1

Clause 4.7.3

Delete clause 4.7.3 in its entirety, including Figure 5, and replace by a new clause 4.7.3 and Figure 5 as follows:

4.7.3 Communicating “Do Not” Messages

4.7.3.1 Hazard avoidance pictorials are often used to communicate, in graphical form, one or more of the following types of “do not” messages:

- a specific action that should not be taken, because taking the action can result in a hazardous situation;
- a specific location that should be avoided, because being in the location can result in a hazardous situation;
- a specific activity that should be avoided, because engaging in the activity can result in a hazardous situation.

4.7.3.2 The “do not” messages are communicated graphically by means of a red diagonal cross placed over the pictorial for the action that should not be taken, the location that should be avoided, or the activity that should be avoided. The red diagonal cross is shown in Figure 5. The red diagonal cross is the safety-related application of IEC 60417-6287, which has the general meaning of negation in accordance with IEC 80416-1.



Figure 5 Red diagonal cross

4.7.3.3 Sizing of the red diagonal cross depends on how it is used with a particular pictorial. It is important that the red diagonal cross is sufficiently large to be easily recognized, but care shall be taken to avoid obscuring any critical detail of the pictorial. The red diagonal cross may be placed over the entire pictorial or over only the portion of the pictorial that represents the specific action, location, or activity to be avoided.

4.7.3.4 The prohibition symbol may be used to communicate a “do not” message, provided that the requirements of ISO 3864-1, ISO 3864-2, and ISO 3864-3 for prohibition safety signs are adhered to.

Clause 4.7.5

Delete clause 4.7.5 in its entirety, including Figure 7, and replace by a new clause 7.5 and Figure 7 as follows:

4.7.5 Combined pictorials

In specific circumstances, a hazard description pictorial and a hazard avoidance pictorial may be combined in a single panel. An example is shown in Figure 7.



Figure 7 Combined pictorial in a single panel

Clause 5.1, Table 1

Delete Table 1 in its entirety, and replace by new Table 1 as follows:

Table 1 — Colour regions: Chromaticity coordinates and luminance factor of ordinary materials

Colour region	Corner points of colour region CIE Standard illuminant D65 CIE 2° standard colorimetric observer					Luminance factor β	
		1	2	3	4	Minimum	Maximum
Red	x	0,705	0,592	0,574	0,663	0,07	0,20
	y	0,295	0,291	0,351	0,337		
Orange	x	0,603	0,538	0,508	0,563	0,21	
	y	0,397	0,382	0,412	0,436		
Yellow	x	0,475	0,538	0,470	0,427	0,45	0,70
	y	0,525	0,462	0,424	0,472		
White	x	0,350	0,295	0,285	0,340	0,75	
	y	0,360	0,305	0,315	0,370		
Black	x	0,385	0,300	0,260	0,345		0,03
	y	0,355	0,270	0,310	0,295		

Clause 5.3.4

Revise clause 5.3.4 to read:

5.3.4 The diagonal cross specified in 4.7.3 shall be red. See Annex D for more information.

Annex B

Clause B.6

Delete Figure B.13 and replace by new Figure B.13 as follows:

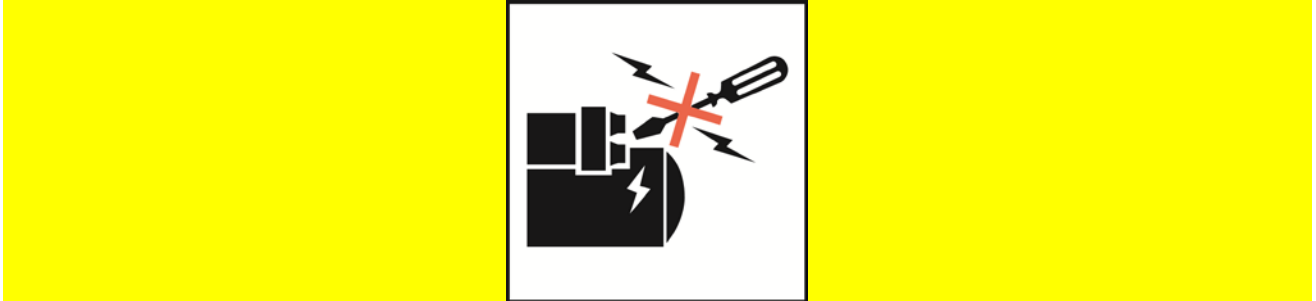


Figure B.13—Do not jump start engine

Clause B.8

Delete Figure B.15 and replace by new Figure B.15 as follows:



Figure B.15 — Do not ride on fender

Clause B.9

Delete Figure B.16 and replace by new Figure B.16 as follows:



Figure B.16 — Do not reach into crushing area

Delete Figure B.17 and replace by new Figure B.17 as follows:



Figure B.17 — Do not stand under bucket

Delete Figure B.18 and replace by new Figure B.18 as follows:



Figure B.18 — Do not loosen cap when hot

Clause B.10

Revise title of B.10 to: “Do Not” Messages

Delete Figure B.19 and replace by new Figure B.19 as follows:



Figure B.19 — Do not step

Delete Figure B.20 and replace by new Figure B.20 as follows:

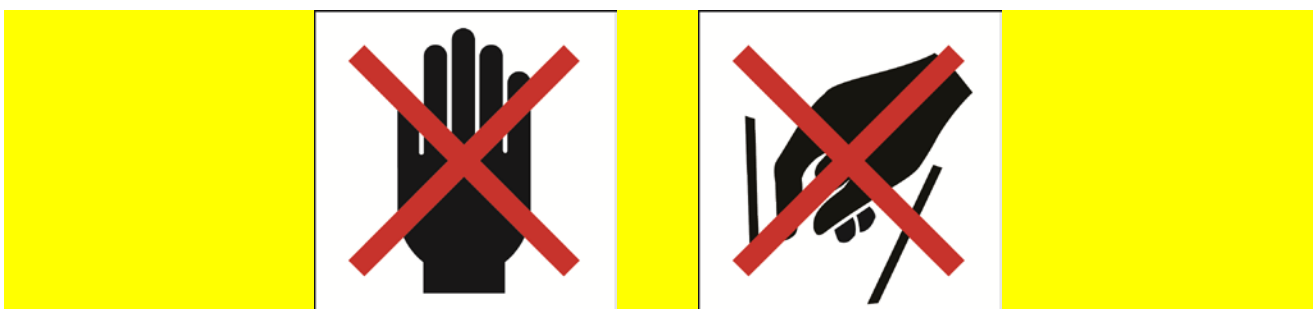


Figure B.20 — No hands

Delete Figure B.21 and replace by new Figure B.21 as follows:



Figure B.21 — No feet

Delete Figure B.22 and replace by new Figure B.22 as follows:



Figure B.22 — Do not use ether as low temperature starting aid

Annex C

The avoidance panels of the following machine safety labels shall be understood as using the red diagonal cross rather than the prohibition symbol:

Figure C.11 — Crushing hazard — Run-over — Do not jump start engine

Figure C.20 — Explosion hazard — **Do not use ether as** low temperature starting aid

Figure C.34 — Avoid being run over — Do not ride on fender

Annex D

Clause D.2

Delete the eighth indent in its entirety, and replace by new text as follows:

- Avoid using the red diagonal cross where the arms of the cross would obscure critical graphical elements and diminish understanding of the “do not” message.