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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 14161-2008

Replacing GB 14161-1993

Mine safety signs

矿山安全标志

(English Translation)

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Foreword

All the technical contents of this standard is mandatory.

This standard is the national standard GB 14161-1993 revised standards.

This standard replaces GB 14161-1993 "mine safety signs." this standard compared with GB 14161-1993 main changes are as follows.

- a) modified flag pattern, text 11;
- b) adding new flag 22;
- c) cancel the original mark 4;
- d) cancel the original standard "luminous excitation of nuclear material" terms of use (the original standard 11.2);
- e) in Appendix A to cancel the chromaticity coordinates of the original standard, chromaticity diagram, reverse reflection coefficient table, instead GB 2893 "safe colors" Relevant tables, graphs.

Appendix A of this standard is an informative annex, Annex B normative appendix.

This standard was proposed by the State Administration of Work Safety.

This standard produced by the National Standardization Technical Committee on Security.

This standard was drafted. State Administration of Work Safety Information Institute, Yanzhou Coal Mining (Group) Co., Ltd., Shanxi Coke Coal (Group) Co., Ltd., the Kailuan Mining (Group) Co., Ltd., Sichuan Province production safety supervision and law enforcement corps.

1 Scope

This standard specifies the transfer of mine safety alerts the main logo.

This standard applies to all types of mines set requirements for safety signs.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB 2894 Safety Signs and use guidelines GB 5768 traffic signs and road markings GB/T 10001 (all parts) flag Public information graphical symbols AQ1017 coal mine safety signs Category 3 3.1 mine safety signs and supplementary signs divided into the main types of signs.

3.2 Main logo

3.2.1

Prohibition sign. Do not sign it or suppress certain behavior.

3.2.2

Warning signs. a sign warning of the danger that may occur.

3.2.3

Instruction Flag. Indicates that people must comply with certain provisions of the flag.

3.2.4

signs, brand name, logo Tips. Tips target people orientation, mark locations.

3.3 Supplementary flag

Supplementary text or logo is an indication of the direction of the main sign, it can only be used with the main logo.

4 Disable flag

4.1

Prohibition sign basic shape of a circle with a slash, as shown in FIG.

4.2

color of the mark is prohibited, for the white, red circle and red slash black graphic symbols.

Figure 1

4.3

The basic dimensions should disable flag (L) is determined based on the maximum viewing distance, according to Table 1 selection.

Table 1 disable flag size and maximum viewing distance relationship millimeters

Flag size

Retroreflective sign self-luminous signs L = 10m L = 15m L = 10m L = 15m Flag outer diameter D 250 375 250 320 Red bar width Rao 20,302,026 Red ring width Chou 25,382,532

4.4

Prohibited sign types and location settings.

Disable flag type, name, location and settings described in Table 2.

Table 2

No. Symbol Name Location Description Settings 2-1 bandgap fireworks ban fireworks Location 2-2 ban drink into the well Someone out well Port and mine Reference AQ1017 TABLE 2 (cont.) no. Symbol Name Location Description Settings 2-3 No open flames no open flames jobs location Never start 2-4 Allowed to start Electrical Equipment References GB 2894 DO NOT TURN 2-5 Transformer rooms, mobile Seized power source switch Repair, etc.

Reference AQ1017

TABLE 2 (cont.)

No. Symbol Name Location Description Settings Prohibited Grilled take 2-6 tub Transportation Roadway Cross Mouth, car games, PA Car accident-prone Lot 2-7 Prohibited Grilled, boarding, jump Vehicles Underground vehicles roadway, Provided every 50 m One Reference AQ1017 2-8 prohibit workshop by people Shaft, drift transport people Train station, train car Inclined lifting on by mouth TABLE 2 (cont.) no. Symbol Name Location Description Settings 2-9 prohibit Gordon hook Shaft Trip Lifting Upper and lower mouth Reference AQ1017 2-10 prohibit cross, take the conveyor belt Chain plate, belt

conveyors Machines, wire rope pulling not allowed to transport across the Place, the interval 30m set Reference AQ1017 2-11 ban climbing traction cable Provided coated with cables, Signal lines roadway Within the interval of 100m Set up TABLE 2 (cont.) no. Symbol Name Location Description Settings 2-12 ban Renliaotongguan Located in the cut Shaft Wellhead no Entry 2-13 Underground closed areas, tile Andean region, blind alley, waste Abandoned roadway and ban Staff within the location Reference AQ1017 2-14 closed to traffic Underground danger zone, put Gun warning them not and Pedestrian winches Road materials Road and ban Pedestrian passage stop Mouth, etc.

References GB 2894

TABLE 2 (cont.)

No. Symbol Name Location Description Settings no parking 2-15 Underground parking is prohibited Lot vehicles Reference AQ1017 2-16 cell phone ban Explosion sites is prohibited Received a cell phone 2-17 PROHIBITED End of the line and ban Only into the locomotive Lot References GB 5768 TABLE 2 (cont.) no. Symbol Name Location Description Settings 2-18 Forbidden to wear synthetic clothes Well loaded the personnel access Wellhead Reference AQ1017 2-19 Prohibition put out guns, Paste gun Underground mining Blasting Face and underground Other blasting site Reference AQ1017 2-20 prohibit sleeping underground each step of the underground post Bit and work area Reference AQ1017 TABLE 2 (cont.) no. Symbol Name Location Description Settings 2-21 Prohibit open simultaneously Two throttle Wind tunnel underground the door Reference AQ1017 2-22 Prohibit arbitrary Underground Demolition, beat, hit Blow lamp Into the wellhead, downhole for the surface Reference AQ1017

5 Warning Signs

The basic dimensions of 5.1 warning signs of an equilateral triangle, apex upward, as shown in FIG.

Color 5.2 for yellow warning signs, black rim, black graphic symbols.

Figure 2

The basic dimensions of 5.3 Warning signs should be (L) determined by the maximum viewing distance according to Table 3 selection.

Table 3 Warning Signs size and maximum viewing distance relationship millimeters

Flag size

Retroreflective sign self-luminous signs L = 10m L = 15m L = 10m L = 15m Triangle side length Rao 340 510 300 450 Black bar width Chou 30,302,525 Black edge radius R 17 26 15 23