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

GB 4387-2008

Replacing GB 6389-1997

**Safety regulation for railway and road transportation in plants
of industrial enterprises**

工业企业厂内铁路、道路运输安全规程

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Foreword

All technical content of this standard is mandatory. This standard replaces GB 4387-1994 "of industrial enterprises for railway and road transport safety regulations" and GB 6389-1997 "industrial enterprises Railway crossing safety standards. " This standard and GB 6389-1997 compared with 4387-1994 GB main changes are as follows:

- Information about the normative road transport of dangerous goods vehicle signs and road markings and traffic signs and other references;
- Increased for railway transport, terms and definitions plant road transport;
- Increasing the design and production units of the qualification certificate issued by the request;
- Increasing the transport of hazardous materials and the spillover cargo corresponding safety regulations;
- Increased by railway and road transport emergency rescue plan;
- Changed in the interval, the station Communication, signaling overhead lines sag lowest point to the ground, the rail surface distance;
- Increased railway signaling, communication optical (cable) is buried laying sites set up warning signs protection provisions;
- Remove the railway line and road junction new plant should be set interchange some of the terms;
- Added crossing over a road construction (structures) to set the height limit signs and the

height limit facilities requirements;

--- Modified plant with limited vehicle number plates and driving license issuance management;

--- Increased the shipment of plant roads flammable, toxic and other dangerous goods personnel qualification certification requirements;

--- Modified for carrying flammable, toxic and other dangerous goods vehicle marking requirements;

--- Increased shipping flammable, toxic and other dangerous goods emergency response plan requirements;

1 Scope

GB 4387-2008 is the Chinese national standard on safety regulation for railway and road transportation in plants of industrial enterprises, in the field of environment and health protection, safety. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 11 December 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 October 2009. Classification: ICS 13.100, CCS C66. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the safety requirements for industrial enterprises in railway and road transport must comply with the provisions of the industrial enterprises of railway crossing points Grade crossing settings, crossing guards and is equipped with safety facilities, crossing signals and marking requirements. This standard applies to industrial enterprises for railway and road transport, mining and materials warehouse rail and road transport may also refer to the use, not Suitable for rail and road transport Woodland, construction sites and railway, transportation, public security department jurisdiction. This standard applies to industrial enterprises standard gauge railway crossings, not for mine, forest, national railway, local railway level crossing.

1.5 Liquid tankers, liquid metal and slag tanker parked line 00

5.1.8 within each lane station bed shunting between applications seepage paving material.

5.1.9 located shunting operation area, loading area and worker traffic area drainage channels, as well as waste within the Treasury should be stamped plate. Provided above After applying Ditch cleaning and equipment maintenance is completed, the cover should

be covered, and regular inspections.

5.1.10 traction line, loading and unloading freight yard line on the edge of the tonal car workers, get off the side of the lot, the track bed top surface width should be laid to the rail 1m at the outer portion of the pillow.

5.1.11 turnout should be laid in a straight line, to avoid laying on the vertical curve or bridgehead. When the case of difficulty, can be laid at a radius greater than 5000m On vertical curves away from the bridge or outside 25m. Turnout of the following circumstances, it is timely remediation or replacement.

- a) two point rail from each other;
- b) the tip of the tip and stock rail track is not dense paste in a stationary state, a gap of more than 2mm;
- c) switch rail to be rolled hurt the rim there is a sharp climb track dangerous;
- d) in the tip section of the rail head wide at 50mm or more, switch rail top surface lower than the basic track top surface more than 2mm;
- e) substantially vertical rail wear positive line than 8mm, the other lines than 10mm;
- f) In the frog heart 40mm wide cross-section at the frog heart vertical wear positive line than 8mm, the other lines than 10mm;
- g) the role of the heart frog guard rail head surface to the outer distance of less than 1391mm or wing rail action face to the outside from the guard rail head large To 1348mm;
- h) frog (frog heart, wing rail) is damaged;
- i) the tip rail track or substantially damaged;
- j) protect turbine bolt breakage.

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, according to research encourages the parties to the agreement Study whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB 146.1 standard gauge railway rolling stock clearance

GB 146.2 standard gauge railway construction clearance

GB 1589 road vehicles outside dimensions, axle load limits and quality

GB 5768 traffic signs and road markings

GB 10494 Railroad crossing signal equipment range and technical conditions

GB 13392 road transport of dangerous goods vehicles logo

GB/T 18833 road traffic signs reflective film GB J12 industrial enterprises design specification for standard gauge railways GB J22 factories, mines and road design specifications CJJ

37 Urban road design specifications JTJ1 highway engineering standard

3 Terms and Definitions

The following terms and definitions apply to this standard.

3.1 On the way to industrial enterprises for railway locomotive or EMU tractor columns in general cargo transportation activities.

3.2 Use a car or other means of transport on the road factory industrial enterprises, engaged in the carriage of goods or passenger transport activities in general.

3.3 Railroad pavement width of 2.5m and above, the direct road through the level crossing. Press the guards were divided into guarded and crossing Unguarded level crossing [GB 10494].

3.4 Industrial enterprises and factory railway crossing railway crossing road surface.

3.5 Industrial enterprises and factories outside the railway crossing railway crossing road surface.

4 Basic requirements

4.1 should be based on process, traffic and material properties, choose the appropriate mode of transport, rational organization of traffic, people, guaranteed by design Transportation and safe handling operations.

4.2 factory built (structure) building materials, equipment and non-invasive green was the railway line and road construction gauge, and not interfere with the line of sight. Existing Invasive bounding walls and various buildings (structures) must be removed. Demolition is really difficult to build a permanent (structures), or in its overhaul during the renovation To be addressed; not removed before the effective safety measures should be developed and set in place intrude limit intrude limit warning sign.

4.3 manufacture, modification and conversion of transport, handling equipment, design and production units shall have corresponding qualifications issued by complete technical information, Instructions and certificates and the like.

4.4 shall establish technical file transport, loading and unloading equipment, planned way transportation, loading and unloading equipment for large, medium and small repair and