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Conspicuity Tape Around the World



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Reflective Solutions

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Around the World

Brazil

- Adopted legislation similar to U.S. in 2001
- Extended requirements to buses in 2009
- Approved for use on Guerra, Randon, Fachinni, Marcopolo, and other OEMs



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What is Conspicuity Tape?

- > Large trucks are clearly visible during the day, but disappear at night
- > Almost 1/2 of nighttime accidents with large trucks occur because of poor conspicuity¹
- > Conspicuity tape enhances vehicle recognition and gives drivers more time to react




Sources: ¹ 2004, TÜV Rheinland Group, Conspicuity of Heavy Goods Vehicles

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Around the World

China

- Mandated use of CT on all trucks carrying freight in 2008
- Approved for use by FAW, CIMC, and others





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Around the World

North America

- Instituted CT regulations on new heavy trailers in 1993 due to drivers not seeing trucks well at night
- Extended to all trailers in 1999 because of the effectiveness of CT






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Around the World

Europe

- EU developed new specification requiring high entrance angle performance
- V-6700B developed with new prism technology to meet these needs
- V-6750B developed for flexible, tarpaulin applications
- Legislation on new trucks began July 2011

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Around the World

South Africa

South African Bureau of Standards adopted ECE 104 requirements.

Implemented in 1999 for trucks exceeding 10,000kg

Extended to trucks longer than 6m and most trailer types in 2004

Other countries in Africa becoming interested: Ghana, Nigeria, Zambia, Botswana



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New Zealand

- > NZTA Rule – Vehicle Lighting 2004, Rule 32005.
 - ▶ 9.2(6) A vehicle **may** be fitted with retroreflective material to improve the visibility of the vehicle to other drivers and other road users, but the material must not dazzle, confuse or otherwise endanger their safety.
 - ▶ 9.1(2) Retroreflective material fitted to a heavy motor vehicle manufactured on or after 1st Jan 2006 must comply with an approved vehicle standard.
 - ▶ UN/ECE Reg 104
 - ▶ Fed Motor Vehicle Safety Standard No 108.

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Around the World

India

Automotive Research Association of India adopted ECE 104 requirements



CT required for new and existing trucks in 2008

Approved for use by Tata Motors, Ashok Leyland, Eicher/Volvo, Mahindra, and others



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Around the World

Country	Implemented	Regulation	Product
United States	1993	New trucks mandatory. Extended to existing trucks in 1999.	
Brazil	2001	New and existing trucks mandatory. Extended to buses in 2009.	
China	2008	New and existing trucks mandatory.	V-5720
Europe	2011	New trucks mandatory EU wide. Some countries began as early as 2005.	
India	2008	New and existing trucks mandatory.	
Russia	2010	New and existing trucks mandatory.	
Japan	2009	Voluntary use of contour marking since 2009. Truck plates mandatory in 2011.	
South Africa	1999	Extended to additional vehicles types in 2004.	V-6700B
New Zealand	2004	Voluntary UN/ECE Reg 104 or USA 108.	

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Around the World

Japan

Adopted ECE 70 and 104 requirements

Voluntary use of contour marking since 2009

Implemented mandatory use of truck plates starting September 2011



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