



CMEIG Engineering Position paper

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Withdrawn Australian Standards

As many of the Australian Standards for earthmoving machinery were identical adoptions of International (ISO) standards, and many of these international standards had been revised, updated, or even withdrawn, it was necessary to consider the validity of the Australian Standards.

For this reason many of the Australian Standards were withdrawn as they were now out of date with the equivalent current international standard.

The Australian Technical Committee for the development of earthmoving machinery standards (ME-063), decided that rather than trying to keep up with the ever changing international earthmoving standards and adopting them as Australian standards, persons wanting earthmoving machinery standards should use the current international standard for the particular topic.

Consequently numerous old Australian earthmoving machinery standards were withdrawn in lieu of using the current international standard.

The following is a list of the withdrawn Australian Standards and the equivalent ISO standards that should now be used (where applicable):

DESCRIPTION	WITHDRAWN AUSTRALIAN STDS	CURRENT ISO STANDARDS	LINK BETWEEN STANDARDS
Laboratory tests and performance requirements for roll-over protective structures	AS 2294.2-1997 Withdrawn Dec 2008	ISO 3471:2008	AS 2294.2-1997 was identical to ISO 3471:1994 & ISO 3471:1994 Amd 1:1997 Cor 1:2000. Current version of ISO3471 is 2008.
Laboratory tests and performance requirements for falling-object protective structures	AS 2294.3-1997 Withdrawn Dec 2008	ISO 3449:2005	AS 2294.3-1997 was identical to ISO 3449:1992. Current version of ISO 3449 is 2005.
Specifications for deflection-limiting volume	AS 2294.4-1997 Withdrawn Dec 2008	ISO 3164:1995	AS 2294.4-1997 was identical to ISO 3164:1995

Seat belts and seat belt anchorages	AS 2664-1983 Withdrawn Dec 2008	ISO 6683:2005	AS 2664-1983 was based on ISO 6683:1981. The current version of ISO6683 is 2005.
Classification of machinery for earth-moving, construction, surface mining and agricultural purposes	AS 2868-1986 Withdrawn Dec 2008	NA	No longer required or relevant.
Nomenclature - General introduction and listing	AS 2951.0-1988 Withdrawn Aug 2006	NA	No longer required or relevant.
Nomenclature - Basic types	AS 2951.1-1988 Withdrawn Dec 2008	ISO 6165:2006	AS 2951.1-1988 was identical to ISO 6165:1987. Current version of ISO6165 is 2006.
Base machine	AS 2951.2.1-1988 Withdrawn Dec 2008	ISO 6746-1:2003	AS 2951.1-1988 was identical to ISO 6746-1:1987. Current version of ISO6746-1 is 2003.
Equipment	AS 2951.2.2-1988 Withdrawn Dec 2008	ISO 6746-2:2003 & ISO 6746-2:Cor 1:2004	AS 2951.2.2-1988 was identical to ISO 6476-2:1987. Current version of ISO6746-2: is 2003 with Cor 1: 2004
Tractors	AS 2951.3-1988 Withdrawn Dec 2008	ISO 6747:1998 & ISO 6747:Amd 1 :2003	AS 2951.3-1988 was identical to ISO 6747:1982 The current version of ISO6747 was 1998 & Amd 1:2003
Loaders—Terminology and commercial specifications	AS 2951.4-1988 Withdrawn Dec 2008	ISO 7131:1997 & ISO 7131:Amd 1:2003	AS 2951.4-1988 was identical to ISO 7131:1984. Current version of ISO7131 is 1997 & Amd 1:2003
Dumpers—Terminology and commercial specifications	AS 2951.5-1988 Withdrawn Dec 2008	ISO 7132:2003	AS 2951.5-1988 was identical to ISO7132:1984. Current version of ISO7132 is 2003.
Tractor-scrappers — Terminology and commercial specifications	AS 2951.6-1988 Withdrawn Dec 2008	ISO 7133:1994	AS 2951.6-1988 was identical to ISO 7133:1985. Current version of IOSO7133 is 1994.
Graders—Terminology and commercial specifications	AS 2951.7:1988 Withdrawn Dec 2008	ISO 7134:1993 & ISO 7134 Cor 1:1996	AS2951.7-1988 was identical to ISO 7134:1985. Current version of ISO7134 is 1993 & Cor 1:1996
General listing and introduction	AS 2952.0-1988 Withdrawn Aug 2006	NA	No longer required or relevant.
Dimensions of fuel filler opening	AS 2952.1-1988 Withdrawn Aug 2006	ISO 3541:1985 Withdrawn May 1996.	AS2952.1-1988 was identical to ISO 3541:1985. Both the AS & the ISO have been withdrawn.
Drain, fill and level plugs	AS 2952.2-1988 Withdrawn Aug 2006.	ISO 6302:1993	AS 2952.2-1988 was identical to ISO 6302:1986. Current version of ISO6302 is 1993.
Lubrication fittings - Nipple type	AS 2952.3-1988 Withdrawn Aug 2006	ISO 6392-1:1996 & ISO 6392-2:1996	AS 2952.3-1988 was identical to ISO 6392:1980. ISO was revised in 1996 and is now in two parts, ISO6392-1:1996 & ISO6392-2:1996
Tractors with dozer, graders, tractor-scrappers—Cutting edges	AS 2952.4-1988 Withdrawn Aug 2006	ISO 7129:1997	AS2952.4-1988 was identical to ISO 7129:1982. Current version of ISO7129 is 1997.
Plough bolt heads	AS2952.5—1988 Withdrawn Aug 2006	ISO 7852:1983	AS2952.5 was identical to ISO 7852:1983
Dozer end-bits—Hole specification	AS2952.6—1988 Withdrawn Aug 2006	ISO 7129:1997	AS2952.6-1988 was identical to ISO 7891:1984. ISO 7891 was withdrawn in May 1996. Information was included in ISO7129:1997

Human dimensions - General introduction and listing	AS2953.0—1988 Withdrawn Aug 2006	NA	No longer required or relevant.
Access dimensions	AS 2953.1-1988 Withdrawn Aug 2006	ISO 2860:1992	AS 2953.1-1988 was identical to ISO 2860:1983. Current version of ISO2860 is now 1992
Operator Space envelope	AS 2953.2-1988 Withdrawn Aug 2006	ISO 3411:2007	AS 2953.2-1988 was identical to ISO 3411:1982. Current version of ISO3411 is now 2007
Seat index point	AS 2953.3-1988 Withdrawn Aug 2006.	ISO 5353:1995	AS 2953.3-1988 was identical to ISO 5353:1978. Current version of ISO5353 is now 1995
Rated loads and volumetric ratings - General introduction and listing	AS 2954.0:1988 Withdrawn Aug 2006	NA	No longer required or relevant.
Rated operating loads for crawler and wheel loaders	AS 2954.1-1988 Withdrawn Feb 2006.	ISO14397-1:2007 & ISO14397-2:2007	AS 2954.1-1988 was identical to ISO 5998:1986. ISO5998 and ISO8313 were withdrawn and replaced by ISO14397-1:2002 & ISO14397-2:2002. Current version of ISO standards is 2007.
Dumper bodies - volumetric rating	AS 2954.2-1988 Withdrawn Aug 2006	ISO 6483:1980	AS 2954.2-1988 was identical to ISO 6483:1980
Elevating scrapers - Volumetric ratings	AS 2954.3—1988 Withdrawn Aug 2006	ISO 6484:1986	AS2954.4-1988 was identical to ISO 6484:1986
Tractor scraper—volumetric rating	AS 2954.4—1988 Withdrawn Aug 2006	ISO 6485:1980	AS2954.4-1988 was identical to ISO 6485:1980
Loader buckets - Volumetric rating	AS 2954.5-1988 Withdrawn Aug 2006	ISO 7546:1983	AS 2954.5-1988 was identical to ISO 7546:1983
Hydraulic excavators—Hoe type buckets—volumetric ratings	AS 2954.6—1988 Withdrawn Aug 2006	ISO7451: 2007	AS2954.6-1988 was identical to ISO 7451:1983. Current version of ISO7451 is 2007
Tests and measurements - General introduction and listing	AS 2955.0—1988 Withdrawn Aug 2006	NA	No longer required or relevant.
Measurement of tool movement	AS 2955.1-1988 Withdrawn Feb 2006		AS 2955.1-1988 was identical to ISO 5004:1981, ISO was revised in 1987 and withdrawn in 1992.
Method of locating the centre of gravity	AS 2955.2-1988 Withdrawn Aug 2006	ISO 5005:1977	AS 2955.2-1988 was identical to ISO 5005:1977
Speed determination	AS 2955.3-1988 Withdrawn Aug 06.	ISO 6014:1986	AS 2955.3-1988 was identical to ISO 6014:1986
Hydraulic excavators - Measurement of tool forces	AS 2955.4—1988 Withdrawn Aug 2006	ISO 6015:2006	AS2955.4-1988 was identical to ISO 6015-1:1986. ISO 6015 has been consolidated into one part and current version is 2006.
Mass determination	AS 2955.5-1988 Withdrawn Aug 06.	ISO 6016:2008	AS 2955.5-1988 was identical to ISO 6016:1982. ISO was revised in 1998 and current version is 2008.
Operators seat—Transmitted vibration	AS 2955.6-1988 Withdrawn Feb 2006	ISO 7096:2000	AS 2955.6-1988 was identical to ISO 7096:1982. Current version of ISO 7096 is 2000.
Measurement of the dimensions of whole machines	AS 2955.7-1988 Withdrawn Feb 2006	ISO 6746-1:2003	AS 2955.7-1988 was identical to ISO 7128:1983. ISO 7128 was withdrawn in Nov 89. See ISO 6746-1:2003.
Measurement of turning dimensions	AS 2955.8-1988 Withdrawn Aug 2006	ISO 7457:1997	AS 2955.8-1988 was identical to ISO 7457:1983. Current version of

			ISO 7457 is 1997.
Measurement of drawbar pull	AS 2955.9—1988 Withdrawn Aug 2006	ISO 7464:1983	AS2955.9 was identical to ISO 7464:1983
Loaders - measurement of tool forces & tipping loads	AS 2955.10-1988 Withdrawn Aug 2006	ISO14397-1:2007 & ISO14397-2:2007	AS 2955.10-1988 was identical to ISO 8313:1986. ISO8313 and ISO5998 were withdrawn and replaced by ISO14397-1:2002 & ISO 14397-2:2002. Current version of ISO is 2007.
Instrumentation and operators controls - General introduction and listing	AS2956.0—1988 Withdrawn Aug 2006	NA	No longer required or relevant.
Excavators—Operator's controls	AS2956.1—1988 Withdrawn Aug 2006	ISO 10968:2004	AS2956.1 was identical to ISO 4557:1982. ISO 4557 withdrawn in May 1996. Use ISO 10968:2004 for all machine types.
Operating Instrumentation	AS2956.2-1988 Withdrawn Aug 2006.	ISO 6011:2003	AS 2956.2-1988 was identical to ISO 6011:1987. Current version of ISO 6011 is 2003.
Service Instrumentation	AS2956.3-1988 Withdrawn Aug 2006.	ISO 6012:1997	AS 2956.3-1988 was identical to ISO 6012:1982. Current version of ISO 6012 is 1997.
Symbols	AS 2956.4-1988 Withdrawn Aug 2006.	ISO 6405-1:2004 & ISO 6405-2:1993 & ISO 6405-2 Amd 1: & ISO 6405-2: Amd 2.	AS2956.4-1988 was identical to ISO6405:1982. ISO6405 now has two parts and various amendments.
Zones of comfort and reach for controls	AS 2956.5-1988 Withdrawn Aug 06	ISO 6682:1986 & Amd 1:1989	AS 2956.5-1988 was identical to ISO 6682-1986. ISO was amended in 1989.
Crawler tractors and crawler loaders—Operator's controls	AS 2956.6—1988 Withdrawn Aug 2006	ISO 10968:2004	AS 2956.6 was identical to ISO 7095:1982 ISO standard was withdrawn May 1996. Use ISO 10968
Operation and maintenance - General introduction and listing	AS 2957.0—1988 Withdrawn Aug 2006	NA	No longer required or relevant.
Common maintenance and adjustment tools	AS 2957.1—1988 Withdrawn Aug 2006	ISO 4510-1:1987	AS 2957.1 was identical to ISO 4510-1: 1987
Common repair tools—Mechanical pullers and pushers	AS 2957.2—1988 Withdrawn Aug 2006	ISO 4510-2: 1996	AS 2957.2-1988 was identical to ISO 4510-2: 1986. Current version of ISO 4510-2 is 1996.
Preservation & storage	AS 2957.3-1988 Withdrawn Aug 06	ISO 6749:1984	AS 2957.3-1988 is identical to ISO 6749:1984
Manuals - OMM & service	AS 2757.4-1988 Withdrawn Aug 06	ISO 6750:2005	AS 2957.4-1988 was identical to ISO 6750:1984. Current version of ISO6750 is 2005.
Guide to procedure for operator training	As 2957.5—1988 Withdrawn Aug 2006	ISO 7130:1981	AS 2957.5 was identical to ISO 7130:1981
Training of mechanics	AS 2957.6—1988 Withdrawn Aug 2006	ISO 8152:1984	AS 2957.6-1988 was identical to ISO 8152:1984
Safety - General introduction and listing	AS 2958.0-2000 Withdrawn Dec 2008	NA	No longer required or relevant.
Guards and shields — Definitions and specifications	AS 2958.2-1988 Withdrawn Dec 2008	ISO 3457:2003	AS 2958.2 was identical to ISO 3457:1986. Current version of ISO3457 is 2003.
Off-the-road wheels, rims and tyres—Maintenance and	AS 4457-1997 Withdrawn 2007	NA	AS 4457-1997 was withdrawn and standard replaced with AS4457

repair			Parts 1 & 2 in 2007.
F & R audible alarms	AS 4742:2003 Withdrawn Dec 08	ISO 9533:1989	AS 4742-2003 was identical to ISO9533:1989.
Hydraulic excavators— Laboratory tests and performance requirements for operator protective guards	AS 4988-2002 Withdrawn Dec 2008	ISO 10262:1998	AS 4988-2002 was identical to ISO 10262:1998
Tynes for motor grader scarifiers	AS A176-1968 Withdrawn Dec 2008	NA	No longer required or relevant.

In all cases it is advisable to consult the ISO catalogue online to ensure that you have the current version of the international standard. Go to:

http://www.iso.org/iso/iso_catalogue.htm

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