


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>Accredited to ISO/IEC 17025:2005</p>	Acoustical Investigation & Research Organisation Ltd (AIRO)	
	Issue No: 022 Issue date: 20 March 2008	
	Duxons Turn Maylands Avenue Hemel Hempstead Hertfordshire HP2 4SB	Contact: Dr A J Jones Tel: +44 (0)1442 247146 Fax: +44 (0)1442 256749 E-Mail: airo@bcs.org.uk Website: www.airo.co.uk/
Testing performed by the Organisation at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address Duxons Turn Maylands Avenue Hemel Hempstead Hertfordshire HP2 4SB	Local contact Dr A J Jones	Laboratory measurements of airborne & impact sound insulation of building elements Measurement of sound absorption in a reverberation room Determination of noise emission from small movable machines e.g. in support of EC Noise Directive	Lab

Site activities performed away from the locations listed above:

Location details		Activity	Location code
Any suitable customer premises		Field measurements of airborne & impact sound insulation including precompletion testing for Building Regulations Determination of noise emission from machines e.g. in support of EC Noise Directive	Site



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
<u>Building Elements</u> Separating elements including partitions, doors, windows, walls, floors, façade constructions, other panels, ventilators, grilles, cable raceways, etc	Laboratory measurement of airborne sound insulation of building elements (The properties measured are the Sound Reduction Index, Element Normalised Level Difference and related factors)	BS EN ISO 140-3:1995 BS EN ISO 717-1:1997 BS EN 20140-10:1992 ISO 140-10:1991 The Building Regulations 2000 Approved Document E:2003 The Noise Insulation Regulations 1975 (Schedule 1 Part III)	Lab
<u>Building Finishes</u> Including ceiling panels, wall panels, carpets, curtains, proprietary or purpose made sound absorbent materials, and other room contents including seating, screens and space absorbers	Measurement of sound absorption in a reverberation room (The properties measured are Sound Absorption Coefficients for plane absorbers or the Equivalent Sound Absorption Areas for discrete objects)	BS EN ISO 354:2003 BS EN ISO 11654:1997	Lab
<u>Floors and Floor Systems</u>	Laboratory measurement of impact sound insulation of floors (The properties measured are the Normalized Impact Sound Pressure Levels and related factors)	BS EN ISO 140-6:1998 BS EN ISO 717-2:1997	Lab
<u>Floor Finishes</u>	Laboratory measurement of the reduction of transmitted impact noise by floor coverings (The properties measured are the Reduction of Impact Sound Pressure Levels caused by the floor covering and related factors)	BS EN ISO 140-8:1998 BS EN ISO 717-2:1997	Lab



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<u>Machines</u>	Determination of noise emission from small movable equipment/machines, based on sound pressure level measurements in a reverberant field (The property measured is the Sound Power Level)	BS EN ISO 3743-1:1995	Lab
<u>Road Traffic Noise Barriers</u>	Laboratory measurement of the acoustical performance of barriers, both sound absorption and sound insulation (The properties measured are the Sound Absorption Coefficients and the Sound Reduction Index, with single figure ratings derived from a specified traffic noise spectrum)	BS EN 1793-1:1998 BS EN 1793-2:1998 BS EN 1793-3:1998	Lab
<u>Building Elements</u> such as partitions, walls, floors, facades	Field measurement of airborne sound insulation. (The properties measured are Level Differences and related factors)	BS EN ISO 140-4:1998 BS EN ISO 140-5:1998 BS EN ISO 717-1:1997 The Building Regulations 2000 Approved Document E:2003	Site
<u>Floors</u>	Field measurement of impact sound insulation of floors between rooms. (The properties measured are Impact Sound Pressure Levels and related factors)	BS EN ISO 140-7:1998 BS EN ISO 717-2:1997 The Building Regulations 2000 Approved Document E:2003	Site



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<u>Machinery</u> such as compressors, power generators, welding generators etc	Determination of noise emission from machinery based on sound pressure level measurements in a free field over a reflecting plane. (The property measured is the Sound Power Level)	BS EN ISO 3744:1995	Site
<u>Lawnmowers</u>	Determination of noise emission from lawnmowers based on sound pressure level measurements in a free field over natural grass. (The property measured is the Sound Power Level)	ISO 11094:1991	Site
END			