

ANNEX 1 Enhanced SVA Requirements including Comparable* Non European Standards

* Evidence that a vehicle complies with one of the comparable non-European standards will be accepted instead of compliance with the European standard for each subject matter and date of vehicle manufacture. This does not necessarily mean that these standards are truly equivalent but the Department has judged them to be sufficiently comparable in terms of their practical effect on vehicle safety, security or environmental protection to accept them as alternatives for the purpose of SVA.

Section in Manual	Date of Vehicle Manufacture	European Standard (EC or ECE equivalent)	Comparable Non-European Standards				Other	
			United States	Canada	Japan	Australia		
E1 Anti-theft device	01/10/1998	Directive 74/61 EEC as last amended by 95/56/EC annex 5&6 or ECE R. 18/02 para 7 and ECE R.97.01 Supp.1 para 5,6, and 7 and para. 31,32,and 33	---	---	---	ADR 82 Immob only. must operate in conjunction with Steering Lock	Immobiliser requirements as in Annex 2a; If fitted alarm system requirements as in annex 2b.	Not applicable to a) Goods Vehicles b) Three wheeled vehicles. Fitment of immobiliser is mandatory for passenger vehicles. Where an immobiliser or alarm is fitted and there is no evidence of compliance from a manufacturer or an authorised test laboratory, an original certificate of installation from a Vehicle Systems Installation Board (VSIB) accredited installer displaying a European Approval number and in the case of an immobiliser only that the system is "Category 2" or in the case of an immobiliser and Alarm "Category 1" will be required.

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E5a Seatbelt anchorages	01/07/1991	Directive 76/115 EEC as last amended by 82/318/EEC annex 1, para.4 & 5 or ECE R.14.02 para. 5, 6 and 7	FMVSS 210 including associated requirements of FMVSS 207 and FMVSS 208	CMVSS 210 including associated requirements of CMVSS 207 and CMVSS 208	Jisha 899 - 1983 attachment 17 (TRIAS 37-1987) (Note 19)	ADR 5/04	Korea MVSS Article 103 (Note 1) or Singapore (Note 2) or Hong Kong (Note 3) or BS AU48a or BS AU 140a	Not applicable to a) Goods vehicles, b) Three wheeled vehicles, c) Disabled Persons vehicles in a seating position fitted with an anchorage after the time of original manufacture. (Section E5a items 2 & 3 apply). d) Vehicles adapted from another category to an "M1" (Section E5a item 2 & 3 apply)
	01/07/1997	Directive 90/629 /EEC, annex 1, para.4 & 5 or ECE R. 14 .03 para. 5, 6 and 7	FMVSS 210 and FMVSS 208	CMVSS 210 and CMVSS 208	Jisha 899 - 1983 attachment 17 (TRIAS 37-1987) and attachment 11 (TRIAS 47-1993) (Note 19)	ADR 5/04 and ADR 69/00		

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			United States	Canada	Japan	Australia		
E5b Installation of seat belts	01/07/1997	Directive 77/541/EEC as amended by 90/628/EEC, annex 1, para. 3.1 to 3.1.9 and 3.2.1 to 3.2.2.4.	---	---	---	---	---	Not applicable to a) Goods vehicles, b) Three wheeled vehicles. c) Disabled Persons vehicles in a seating position; fitted with an anchorage after the time of original manufacture, or fitted with a Disabled Persons belt. (Standard SVA applies in these positions)
	01/10/1999	Directive 96/36/EC annex 1, para. 3.1 to 3.1.10 and 3.1.11 and 3.1.12 and 3.2.1 to 3.2.2.5 or ECE R.16.04, Supplement 8, para. 8.1 to 8.1.10.3, 8.1.11 to 8.1.12, and 8.2.1 to 8.2.2.5.2	---	---	---	---	---	

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			United States	Canada	Japan	Australia		
E14a Protective Steering	01/07/1991	Directive 74/297/EEC annex 1, para. 5 and 6, or ECE R. 12.01 para. 5 and 6.	FMVSS 203 and FMVSS 204 or FMVSS 208	CMVSS 203 and CMVSS 204 or CMVSS 208	Jisha 899 - 1983 attachment 11 (TRIAS 47-1993) (Note 4) (Note 19)	ADR 10	Korea MVSS article 89 (Note 6) or article 102 (Note 7)	Not applicable to:- a) Goods vehicles, b) Three wheeled vehicles, c) Motor ambulances, motor caravans and hearses (in each case) having a maximum gross weight of more than 2500kg if the vehicle has been derived from a goods vehicle which either had a maximum gross weight of not less than 1500kg or was manufactured before 1 October 1997. d) Armoured vehicles. e) Forward control vehicles having a date of manufacture before 1 October 1997.
	01/10/1996	Directive 74/297/EEC as amended by 91/662/EEC annex 1, para.5 and 6 or ECE R. 12.03 para. 5 and 6	FMVSS 208	CMVSS 208	"	ADR 69/00 + driver's air bag (Note 5) or ADR 73/00	Korea MVSS article 102 (Note 7)	

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			United States	Canada	Japan	Australia		
E14a Protective Steering								f) Disabled Person's vehicles in respect of the adaptation only (Evidence of compliance of the pre-adapted vehicle is required. g) Vehicles adapted to category M1 that were previously a goods vehicle having a design weight of 1500kg or more or any passenger vehicle having more than 8 passenger seats (ie M2 or M3).

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E14b Frontal Impact	01/10/2003	Directive 96/79/EC, annex 2, para. 3, or ECE R. 94/01, para. 5.	FMVSS 208 and FMVSS 301	CMVSS 208 and CMVSS 301	Jisha 899 - 1983 attachment 11 (TRIAS 47-1993) (Note 4) (Note 19) or 2002-attachment 17 or 2003-attachment 22 11-1-4-22 or 2004-attachment 23 11-1-4-23	ADR 73/00	Korea MVSS article 102	Not applicable to a) Goods vehicles. b) Three wheeled vehicles, c) Disabled Person's vehicles in respect of any adaptation only. (Evidence of compliance of the unadapted vehicle is required). d) vehicles adapted to category M1 (a passenger vehicle) that were previously a passenger vehicle having more than 8 passenger seats (ie M2 or M3) or a goods vehicle. e) vehicles of M1 origin having a design weight exceeding 2500kg.

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E14c Side Impact	01/10/2003	Directive 96/27/EC annex 2, para. 3, or ECE R.95.01 para. 5.	FMVSS 214, paragraph S6 and FMVSS 301	CMVSS 214, paragraph S6 and CMVSS 301	Jisha 899 - 1983 attachment 2 (Note 19) or 2002-attachment 18 & 18-2 or 2003-attachment 23 (11-1-4-23) or 2004-attachment 24	ADR 72/00 (Note 5)	<p>Not applicable to a) Goods vehicles, b) Three wheeled vehicles, c) Disabled Persons vehicles in respect of any adaptation only. (Evidence of compliance of the unadapted vehicle is required) d) those adapted to category M1 (a passenger vehicle) that were previously a goods vehicle of category N1 having a seat reference point more than 700mm from the ground, any goods vehicle having a design weight exceeding 3500kg (ie N2 or N3) or a passenger vehicle having more than 8 passenger seats (ie M2 or M3) e) vehicles of M1 origin having a seat reference point more than 700mm from the ground.</p>	

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E16 Brakes	01/04/1995	Directive 71/320/EEC as amended by 91/422/EEC annex 1, para. 2 or ECE R. 13.06 para. 5.	FMVSS 105 plus ABS on rear wheels or FMVSS 135	CMVSS 105 plus ABS on rear wheels or CMVSS 135	Jisha 899 - 1983 attachment 5 TRIAS 11-2-1994 (Note 19)	ADR 31/00 plus ABS on rear wheels (Note 8) ADR 35/00 plus ABS on rear wheels (note 9)	---	<p>Not applicable to a) Three wheeled vehicles, b) Disabled Persons vehicles in respect of any adaptation only. (Evidence of compliance of the pre-adapted vehicle is required. Any adaptation or part of a system affected by an adaptation is subject to standard SVA)</p> <p>.....</p> <p>Note: If a vehicle has been adapted to an M1 or N1 category from another category and the adaptation does not directly affect the braking system, satisfactory evidence of compliance to the original category will be acceptable.</p>
	01/10/1999	98/12/EC annex 1, para. 2.1.1.3. or ECE R 13.09 para. 5.1.1.3. or ECE R. 13H para. 5.1.1.3. (Req. For asbestos free brake linings)	“ plus asbestos-free	“ plus asbestos-free	“ plus asbestos-free	“ plus asbestos-free	---	
	31/03/2001	98/12/EC annex 1, para.2. or ECE R.13.09 para. 5. or ECE R. 13H para. 5. (all requirements)	“	“	“	ADR 31/01 or ADR 35/01	---	

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E17 Noise and silencers	01/07/1991	Directive 70/157/EEC as amended by 84/424/EEC annex 1, para. 5. or ECE R. 51.01, para.5	California (SAE J986)	CMVSS 1106	MV Safety Regulations Article 30	ADR 28/01	---	Not applicable to a) Three wheeled vehicles. ----- : ----- NOTE: If a vehicle has been adapted to an M1 or N1 category from another category and the adaptation does not directly affect the noise emitted, satisfactory evidence of compliance to the original category will be acceptable.
	01/01/1997	Directive 92/97/EEC or 96/20/EC, annex 1, para. 5 or ECE R. 51.02, para. 5.	---	---	---	---	---	

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E18a Exhaust Emissions (Euro-1)	01/01/1993	(Note 12 applies to all below) Directive 70/220/EEC as amended by Directive 91/441/EEC, annex 1 para. 5, 7 and 8 or ECE R.83.01 para. 5, 8 and 13. (passenger cars)	EPA 40 CFR Part 86, or California TLEV, LEV or ULEV	CMVSS 1100	Jisha article 31	---	---	<p>"Passenger Car" means a motor vehicle which</p> <p>a) is constructed or adapted to carry passengers and is not a goods vehicle,</p> <p>*b) has no more than 6 seats including the driver's seat,</p> <p>c) has a maximum gross weight not exceeding 2500kg.</p> <p>NOTE * does not apply from 1/1/2001.</p> <p>-----"</p> <p>NOTE: if a vehicle has been adapted to an M1 or N1 category from another category and the adaptation does not directly affect the emissions, satisfactory evidence of compliance to the original category will be acceptable.</p>
	01/10/1994	Directive 93/59/EEC, annex 1 para. 5, 7 and 8 or ECE R.83.01 para.5, 8 and 13 (other than passenger cars) (Note 15)	"	"	-	---	---	

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E18a Exhaust emissions (Euro-2)	01/01/1997 (passenger cars-Note 10) (See Notes for definitions of all below)	Directive 70/220/EEC as last amended by 94/12/EC annex 1, para. 5. or ECE R.83.02 para. 5. applies only to passenger cars)	---	---	---	ADR 79/00 Petrol & Diesel	---	"Reference Mass" has the same meaning as in Directive 70/220/EEC as amended by Directive 96/69. "Class I vehicle" means a goods vehicle (N1) which has a reference mass not exceeding 1305kg. "Class II vehicle" means a goods vehicle (N1) which has a reference mass exceeding 1305kg but not exceeding 1760kg "Class III vehicle" means a goods vehicle which has a reference mass exceeding 1760kg.
	01/10/1997 (Class I)	96/69/EC annex 1, para. 5, or ECE R.83.03 para. 5. (Note 16)	---	---	---	"	---	
	01/10/1998 (Category M1 other than passenger cars, Class II & Class III)	"	---	---	---	"	---	
	01/10/1999 (LPG & CNG)	98/77/EC annex 1, para. 5 or ECE R.83.04 para. 5.	---	---	---	---	---	

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E18a (cont'd.) Exhaust emissions (Euro-3)	1/1/2001 (Passenger cars & class I)	98/69/EC. Annex 1, para. 5. (Phase 1 limits)	Tier 2 (Note 13)	---	---	ADR 79/01 Petrol & Diesel	---	"Diesel passenger vehicle" means a vehicle of category M1 the maximum mass of which exceeds 2000kg, fitted with a compression ignition engine, and which is either a) constructed or adapted to carry more than 6 occupants inc. the driver, or b) an off road vehicle as defined in annex 2 to the 1970 Directive.
	1/1/2002 (Category M1 other than passenger cars, Class II & Class III) (Note 17)	"	---	---	---	"	---	
	1/1/2003 (until this date a diesel passenger vehicle is treated as a vehicle of category N1)	"	---	---	---	"	---	

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E18a (cont'd) Exhaust Emissions (Euro-4)	1/1/2006 (Passenger cars & Class I)	98/69/EC, annex 1, para. 5, (Phase 2 limits)	-	-	-	ADR 79/01 Diesel Only	-	
	1/1/2007 (Category M1 other than passenger cars, Class II & Class III) (Note 18)	"	-	-	-	"	-	
E18b CO2 & Fuel consumption	1/1/1997 (Category M1)	Directive 80/1268/EEC as last amended by 93/116/EC, annex 1, para. 5. or ECE R. 101 para. 5. (Note 14)	-	-	-	-	-	Not applicable to a) Goods Vehicles. b) Three wheeled vehicles. c) Vehicles adapted to category M1 that were previously an M2 or M3 passenger vehicle or a goods vehicle, and d) M1 vehicles that are not a "passenger car" i.e "other passenger vehicles" that have a date of man. before 1-10-98