



Report of the Secretariat to the status of work within ISO/TC 70/SC 8

1 Constitution of ISO/TC 70/SC 8

1.1 Chairman and Secretary

Chairman: Mr H J Stein, DaimlerChrysler, Germany

Secretary: Mr M Heseding, DIN/VDMA, Germany

1.2 P- and O-members

The following lists "P" (Participating) and "O" (Observer) Member bodies of SC 8

Country	Member	P-Member	O-Member
Austria	(ON)	X	
Belgium	(IBN)		X
Brazil	(ABNT)		X
China	(CSBTS)	X	
Denmark	(DS)		X
France	(AFNOR)	X	
Germany	(DIN)	X	
India	(BIS)	X	
Ireland	(NSAI)		X
Italy	(UNI)	X	
Japan	(JISC)	X	
Korea	(KATS)	X	
Romania	(ASRO)		X
Russian Federation	(GOST R)	X	
Slovakia	(UNMS)		X
Sweden	(SIS)		X
Switzerland	(SNV)	X	
United Kingdom	(BSI)	X	
USA	(ANSI)	X	
Total	19	12	6

1.3 Liaisons

1.3.1 ISO

ISO/TC 8	Shipbuilding and Marine Structures
ISO/TC 22	Road vehicles
ISO/TC 22/SC5	Road vehicles — Engine tests
ISO/TC 23	Tractors and machinery for agriculture and forestry
ISO/TC 28	Petroleum products and lubricants
ISO/TC 110	Industrial trucks
ISO/TC 110/SC 2	Industrial trucks — Safety of powered industrial trucks
ISO/TC 127	Earth-moving machinery
ISO/TC 188	Small craft

1.3.2 International-Organisations

CIMAC	International Council on Combustion Engines
EUROMOT	Association of European Manufactures of Internal combustion engines
IACS	International Association of Classification Societies
UIC	International Union of Railways
EC DG ENV	European Commission Directorate General Environment
US EPA	US Environmental Protection Agency (informal Liaison)

1.4 Meetings held since 1991

1 st meeting	1991-07-30/08-01	San Antonio (USA)
2 nd meeting	1991-09-24/25	Vienna (Austria)
3 rd meeting	1992-02-04/05	Oyama (Japan)
4 th meeting	1992-07-31/08-01	Berlin (Germany)
5 th meeting	1992-12/01/02	Frankfurt (Germany)
6 th meeting	1993-04-28/29	Paris (France)
7 th meeting	1993-10-06/07	Geneva (Switzerland)
8 th meeting	1994-05-04/05/06	Milan (Italy)
9 th meeting	1994-10-11/12	Birmingham (USA)
10 th meeting	1995-04-27/28	London (UK)
11 th meeting	1996-04-26	Chicago (USA)
12 th meeting	1997-04-14	Shanghai (China)
13 th meeting	1998-06-18/19	Friedrichshafen (Germany)
14 th meeting	1999-05-20/21	Rome (Italy)
15 th meeting	2000-04-06/07	Paris (France)
16 th meeting	2001-04-25/26	Winterthur (Switzerland)

2 Progress in preparation of standards

Item Number	Ref. Number	Title	Edition	Status
1	ISO 8178-1	RIC engines – Exhaust emission measurement – Part 1: Test bed measurement of gaseous and particulate exhaust emission	08/96	ISO 8178-1 published in August 1996. Revision started by WG 6. ISO/DIS 8178-1 (rev.) sent to ISO/CS in December 2001 for publication as DIS. French language version to be finalised. Then publication as ISO/DIS 8178-1 and ballot.
2	ISO 8178-2	RIC engines – Exhaust emission measurement – Part 2: Measurement of gaseous and particulate exhaust emission at site	08/96	ISO 8178-2 published in August 1996.
3	ISO 8178-3	RIC engines – Exhaust emission measurement – Part 3: Definitions and methods of measurement of exhaust gas smoke under steady-state conditions	11/94	ISO 8178-3 published in November 1994.
4	ISO 8178-4	RIC engines – Exhaust emission measurement – Part 4: Test cycles for different engine applications	08/96	ISO 8178-4 published in August 1996. Revision agreed by SC 8. First meeting of ISO/TC 70/SC 8/WG 5 held on 23 rd /24 th January 2002 in Frankfurt. Cycle for snow mobiles and concept for control area to be incorporated. ISO 8178-4 will only cover steady-state test conditions.
5	ISO 8178-5	RIC engines – Exhaust emission measurement – Part 5: Test fuels	08/97	ISO 8178-5 published in August 1997 (revised version published in May 1998). Proposals for a next revision to be sent to the Secretariat.
6	ISO 8178-6	RIC engines – Exhaust emission measurement – Part 6: Report of measuring results and tests	10/00	ISO 8178-6 published in October 2000.
7	ISO 8178-7	RIC engines – Exhaust emission measurement – Part 7: Engine family determination	11/96	ISO 8178-7 published in November 1996.
8	ISO 8178-8	RIC engines – Exhaust emission measurement – Part 8: Engine group determination	11/96	ISO 8178-8 published in November 1996.
9	ISO 8178-9	RIC engines – Exhaust emission measurement – Part 9: Test bed procedure for the measurement of smoke from off-road diesel engines	10/00	ISO 8178-9 published in October 2000.
10	ISO 8178-9, Annex E and F	RIC engines – Exhaust emission measurement – Part 9: Test bed procedure for the measurement of smoke from off-road diesel engines – Annex E and F for locomotive and marine propulsion engines	-	Proposal for amending ISO/DIS 8178-9 with Annex E and F finalised. Publication of an Amendment to be initiated by ISO/CS.

11	ISO 8178-10	RIC engines – Exhaust emission measurement – Part 10: Test Cycles and test procedures for field measurement of exhaust gas smoke emissions from compression ignition engines operating under transitory conditions.	-	ISO/DIS published in April 2001 by ISO/CS. Result of voting positive with a 100 % approval. Editorial comments to be incorporated before final publication (no FDIS stage required.)
12	ISO 8178-11	Reciprocating internal combustion engines — Exhaust emission measurement — Part 11: Test-bed measurement of gaseous and particulate exhaust emissions under transient test conditions	-	SC 8 agreed to have a separate standard ISO 8178-11 to cover transient conditions. NWIP circulated for approval until 2002-03-30. ISO/TC 70/SC 8/WG 5 to prepare a document for publication and voting.

3 Working groups

WG No.	Title	Convenor	Secretariat	Status
1	Smoke testing	Mr Bishop	ANSI	Active
1 subgroup	In-use smoke measurement for marine and locomotive engines	Dr Effelsberg	DIN	Active
2	Round robin testing	(Mr Stein)	(DIN)	Disbanded
3	Test fuels	—	(DIN)	Disbanded
4	Engine family concept	—	(BSI)	Disbanded
5	Test cycle and off-cycle emissions	Dr Campbell	DIN	Active
6	Test bed measurement	Mr Stein	DIN	Active