



Co-operation Agreement between ETSI and IEEE-SA

Co-operation Agreement

ETSI produces European standards in the field of telecommunications and undertakes pre-standardization and standardization activities in areas such as information technology, sound and television broadcasting;

ETSI is the European Standardization Organization for telecommunications;

IEEE is a technical professional society, which focuses on advancing the theory and practice of electrical, electronics and computer science;

IEEE-SA provides a standards programme that serves the global community and the public. It also works to assure the effectiveness and high quality of its standards programme both within the IEEE and throughout the global community.

ETSI and IEEE-SA, in co-operation with IEEE's Technical Societies, have the common objective to promote international standardization with the aim of contributing to the development of standards, particularly in the EMC and Radio LAN domains;

ETSI and IEEE-SA have a reciprocal interest in avoiding duplication of technical work and would both benefit from a complementary approach to the standardization process;

ETSI and IEEE-SA have recognized the necessity of structuring and strengthening their relationships and have agreed to do so;

Therefore, the parties agree the following:

ETSI and IEEE-SA shall exchange from time to time as they may agree, free of charge, information on their work programmes of mutual interest.

ETSI and IEEE-SA shall designate representatives of the parties to the present co-operation Agreement, and drafts from either party shall be made available royalty-free to the other party. The dissemination by one party of the documents received from the other party will be limited to the members of IEEE-SA and members of ETSI, and solely for the purpose of their respective work programmes. For all purposes, all copyright, patent and other rights embodied in these documents, and any copies thereof, remains with the party originating them and extends to all media in which the information may be embodied.

ETSI shall not be held liable for further amendments introduced in its deliverables by IEEE-SA.

ETSI and IEEE shall make every endeavour to use electronic document handling in their co-operation.

Considering that:

- the European Telecommunications Standards Institute (ETSI) is the recognized European Standardization Organization for telecommunications;
- ETSI is the recognized European Standardization Organization for telecommunications;
- the Institute of Electrical and Electronics Engineers (IEEE) is a technical professional society, which focuses on advancing the theory and practice of electrical, electronics and computer engineering and science;
- the IEEE Standards Association (IEEE-SA) provides a standards programme that serves the global community and the public.

Further considering that:

- ETSI and IEEE-SA, in co-operation with IEEE's Technical Societies, have the common objective to promote international standardization with the aim of contributing to the development of standards, particularly in the EMC and Radio LAN domains;
- ETSI and IEEE-SA have a reciprocal interest in avoiding duplication of technical work and would both benefit from a complementary approach to the standardization process;
- ETSI and IEEE-SA have recognized the necessity of structuring and strengthening their relationships and have agreed to do so;

The parties agree therefore to the following:

1. ETSI and IEEE-SA may exchange from time to time as they may agree, free of charge, information on their work programmes of mutual interest.
2. Within the agreed work areas, ETSI and IEEE-SA shall make every endeavour to use electronic document handling in their co-operation.

Each originating party shall not be held liable for further amendments introduced in its deliverables by the other party.

ETSI and IEEE undertake to use electronic document handling in their co-operation.

Handwritten signature

- 3 Within the work areas annexed to this Agreement, a nominated Observer from the IEEE Working Groups to the relevant ETSI technical bodies and vice-versa may be permitted when the agenda contains items of mutual interest. Such nominated Observers may also be appointed to meetings of the relevant subordinate technical groups.

In principle, no more than one Observer may be allowed in a Committee or subordinate body unless the relevant Chairman agrees.

Observers shall, to the extent permitted by the relevant party's organizational documents, be entitled to participate fully in discussions on relevant work items, and may, to the extent permitted by the relevant party's organizational documents, submit written contributions, but shall have no voting rights.

In order to avoid duplication of technical or planning activities, Observers may submit technical proposals to the Chairperson of the ETSI Technical Body or the IEEE Working Group in which they are participating.

- 4 The chairperson of the relevant Technical Body/Working Group may agree in particular cases to incorporate text and graphics from the other in a published or approved document, with the permission of the originating organization. The source of such material shall be acknowledged, including the date of the published document and, for purposes of this agreement and all other purposes, its copyright, patent and other intellectual and industrial property rights shall rest with the originating party. Any information or other material incorporated by one party shall include all notices and other legends requested by the originating party, including, without limitation, notices and legends related to the inclusion of patented information with the exchanged information.

- 5 ETSI may on request of the IEEE consider the conversion of IEEE outputs into ETSI deliverables by an ETSI Technical Body mentioned in Annex 1 of this Agreement provided that the request falls within the existing Terms of Reference of that Technical Body, and subject to the normal procedures for the adoption of ETSI work items related to that Technical Body. In the case where the request does not fall within the existing Terms of Reference of an ETSI Technical Body mentioned in Annex 1 of this Agreement the request shall be treated as a PAS application (Publicly Available Specification) under the normal ETSI PAS Rules. IEEE shall have similar rights to adopt according to the IEEE-SA Standards Board Operations Manual.

- 6 This Agreement shall last for three years and may be renewed by mutual consent. It may be renewed when new Rules of Procedure are adopted in either party, or when particular procedures are adopted at world-wide level. It may also be amended in the light of experience and technical developments.

~~Notwithstanding the foregoing, this Agreement may be terminated by either party upon 90 days written notice to the other. Upon any termination or expiration of this Agreement, all the rights granted pursuant to this Agreement shall cease immediately, except the rights granted in Section 4 of this Agreement, and the parties shall cease from distributing any information received pursuant to this Agreement. Notwithstanding anything in this Agreement or otherwise to the contrary, the provisions of this Agreement related to ownership of rights and indemnification shall survive any termination or expiration of this Agreement.~~

Any difficulties arising shall be agreed wherever possible at the working level between the relevant technical groups and Committee Chairman. Matters which cannot be resolved at working level, shall be subject to discussion between the two organizations at the level of the Chairman of the General Assembly and the Director of ETSI and President of IEEE.

The Agreement shall not be deemed or construed to be modified, amended or waived, in whole or in part, except by written agreement of both parties. Neither party may assign this Agreement, or any of its rights, obligations or duties hereunder, without the prior written consent of the other party.

All disputes arising in connection with the present agreement, which cannot be solved amicably, shall be finally settled by arbitration in accordance with the Rules of the International Chamber of Commerce (Paris), by one or more arbitrators appointed under the said Rules.

The relationship between the ETSI and IEEE-SA shall be that of independent signatories, and nothing in this Agreement shall be construed to constitute either party as an employee, partner, agent or member of the other party. Without limiting the foregoing, neither party shall have authority to act for or to bind the other party in any way to make representations or warranties or to execute agreements on behalf of the other party, or to represent that it is in any way responsible for the acts or omissions of the other party.

- 7 The practical contacts and decisions for the application of this Agreement will be taken by the Director of ETSI and Managing Director of IEEE-SA Standards Board.

Dated: 01 April 1999

Signed: *K. H. Rosenbrock*

Karl Heinz Rosenbrock
Director-General
ETSI
650, Route des Lucioles
F-06921 SOPHIA ANTIPOLIS Cedex

Dated: 21 April 1999

Signed: *Judith Gorman*

Judith Gorman
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Standards
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ANNEX 1

Technical co-operation covered by the Agreement

1) Radio Local Area Networks

a) ETSI - FP BRAN: Broadband Access Networks

Terms of Reference:

ed in the Radio
Survey of ETSI

access networks
al Area Networks
fer Mode (ATM)

- to produce specifications for high quality fixed radio access networks as described in Radio Equipment and Systems (RES); Radio Local Loop (RLL) Co-ordination Group; activities and Recommendations for ETSI Work Program (TR 101 030);
- to produce specifications for high quality business, residential and public access radio as described in Radio Equipment and Systems (RES); High Performance Radio Local Area Networks (HIPERLAN); HIPERLAN Requirements and architectures for Asynchronous Transfer Mode (ATM) (TR 101 031);

to exploit the commonality between these systems to the benefit of both.

The Project shall complement other activities within ETSI such as:

- TM4 P-MP systems;
- the Cordless Terminal Mobility (CTM) project;
- the Corporate Networks (CN) project; and
- DECT, GSM, GRAN.

It should take note of standardization work in other bodies, notably the ATM Forum, the Internet Engineering Task Force (IETF), European Computer Manufacturers Association (ECMA) and DAVIC, and avoid unnecessary duplication.

b) IEEE-SA 802 (Radio Lans)

Terms of Reference:

The IEEE-SA 802 Local and Metropolitan Area Network Standards Committee is sponsored by the IEEE-SA Computer Society and is responsible for the standardization of Local Area Networks (LANs) and Metropolitan Area Networks (MANs). The basic charter of this committee is to create, maintain, and encourage the use of IEEE/ANSI and equivalent IEC/ISO JTC 1 standards primarily within layers 1 and 2 of the OSI (Open System Interconnection) Reference Model. The committee was formed in February 1980 and met at least three times per year as a Plenary body ever since that time. An explicit objective since inception has been the goal of establishing international standards in JTC 1. The IEEE-SA series of standards are known as IEEE-SA 802.xxx and the JTC 1 series of equivalent standards are known as ISO 8802-xxx. Ethernet (10BASE-T and 100BASE-T), Token Ring, MAC Bridging, Virtual LANs, Logical Link Control, and Gigabit Ethernet are some of the better know standards.

Within IEEE-SA 802, the Working Group IEEE-SA 802.11 is responsible for the standardization of Wireless aspects of LANs and MANs. The IEEE-SA Std 802.11-1997 specifies an interoperability standard for data rates of 1 and 2 Mbit/s using either radio (2.4 GHz band) or infrared.

Current wireless projects are:

- 1) 802.11a: Extension to a 20 Mbit/s data rate Physical layer entity in the 5 GHz band.
- 2) 802.11b: Extension to a 11 Mbit/s data rate Physical layer entity in the 2.4 GHz band.
- 3) Study of the standardization of Wireless Personal Area Networks

2) Electromagnetic Compatibility - EMC

a) ETSI TC ERM (EMC and Radio spectrum Matters)

Terms of Reference:

TC (EMC and Radio spectrum Matters) has the primary responsibility for:

- ETSI deliverables (in whole or in part) dealing with EMC;
- ETSI deliverables (in whole or in part) dealing with radio spectrum parameters concerned with inter-system characteristics;
- co-ordination of ETSI positions on the efficient use of the radio spectrum and spectrum allocations;
- on an interim basis of six to twelve months, to take over the former responsibilities of TC RES, and make proposals for restructuring its activity.

TC ERM is also responsible for the interface between ETSI and CEC/EFTA and other bodies in the radio and EMC field, notably the CEPT ERC, relevant CEN and CENELEC committees, EUROCAE, EBU, and relevant ICAO and ITU groups and IEC and CISPR.

b) IEEE-SA IEEE-SA

Terms of Reference:

IEEE-SA Electromagnetic Compatibility Society (EMC)

Standards Development Committee (SDCom) has the primary responsibility for:

- IEEE-SA standards deliverables (in whole or in part) dealing with EMC in these areas:
 1. Management
 2. Measurements and instrumentation
 3. EM environments
 4. EMI control
 5. High power Electromagnetics
 6. Spectrum Management
 7. Non-sinusoidal waves
 8. Computational EMC
 9. EMC related safety
- EMC Society standards topics include:
 1. Measurement of RF emission from industrial, scientific, and medical equipment installed on user's premises
 2. Minimization of interference from RF heating equipment
 3. Open Field measurement of spurious radiation from FM and Television broadcast receivers
 4. Measuring procedure of conducted emissions from FM and Television broadcast receivers
 5. Measurement of shielding effectiveness of electromagnetic shielding enclosures
 6. Measurement of impulse strength and impulse bandwidth
 7. Measurement of spurious emission from land-mobile communication transmitters
 8. Electromagnetic site survey
 9. Measurement of field disturbance sensors (RF intrusion alarms)
 10. Measurement of electric and magnetic fields from video display terminals
 11. Calibration of EM field sensors and probes excluding antennas
 12. EM characterization of conductive gaskets

