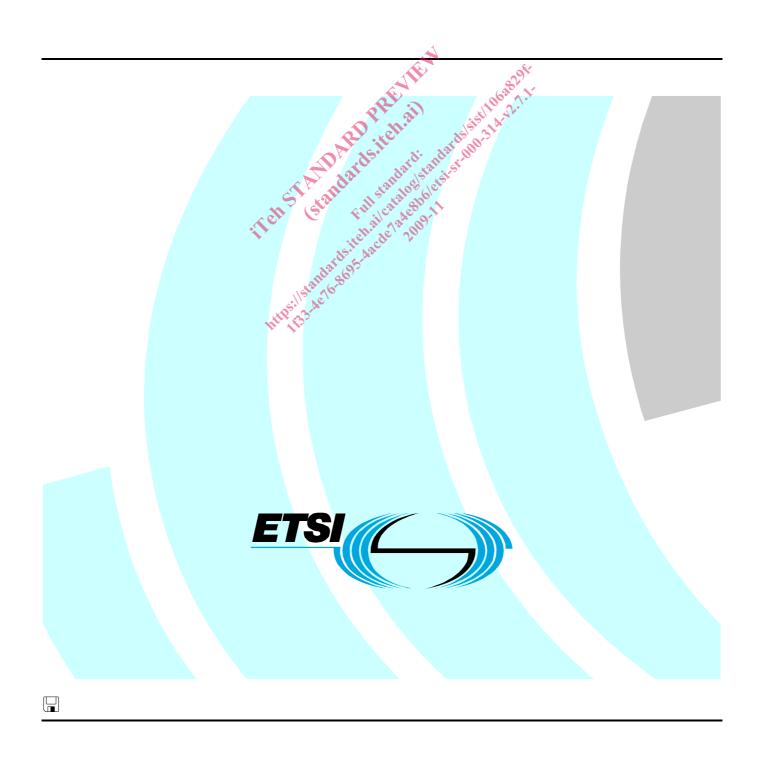
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Special Report

Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards



Reference RSR/BOARD-00006 Keywords IPR

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Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: "Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards", which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (http://webapp.etsi.org/IPR/home.asp).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

Foreword

The present document identifies IPRs, particularly patents and patent applications, which have been notified to ETSI as being Essential, or Potentially Essential, to ETSI standards.

The present document has been prepared on the basis of information received. ETSI has not checked the validity of the information, nor the relevance of the identified patents/patent applications to the ETSI standards and cannot confirm, or deny, that the patents/patent applications are, in fact, essential, or potentially Essential. No investigation, or IPR searches, have been carried out by ETSI and therefore no guarantee can be given concerning the existence of other IPRs which are, or may become, essential.

It should also be noted that whilst ETSI members are not obliged to conduct IPR searches they are obliged to make reasonable efforts to inform ETSI of any Essential IPRs of which they become aware (see article 4 of the ETSI IPR Policy).

The present document will be maintained by the ETSI Secretariat and further editions will be issued as, and when, necessary. Any errors in the information contained in the present document, or any additional information concerning Essential IPRs, of which readers of the present document become aware, should be notified to the ETSI Secretariat (for the attention of the Legal Service).

NOTE: The present document is also available at http://www.etsi.org/WebSite/AboutETSI/IPRsInETSI/iprdb.aspx.

1 Scope

The present document identifies IPRs, particularly patents and patent applications, which have been notified to ETSI as being Essential, or potentially Essential, to ETSI standards.

Unless otherwise specified, all IPRs included into the present document have been notified to ETSI, with an undertaking from the owner to grant licences according to the terms and conditions of article 6.1 of the ETSI IPR Policy, Annex 6 of the ETSI Rules of Procedure [3].

2 References

References are either specific (identified by date of publication and/or edition number or version number) or non-specific.

- For a specific reference, subsequent revisions do not apply.
- Non-specific reference may be made only to a complete document or a part thereof and only in the following cases:
 - if it is accepted that it will be possible to use all future changes of the referenced document for the purposes of the referring document;
 - for informative references.

Referenced documents which are not found to be publicly available in the expected location might be found at http://docbox.etsi.org/Reference.

NOTE: While any hyperlinks included in this clause were valid at the time of publication ETSI cannot guarantee their long term validity.

2.1 Normative references

The following referenced documents are indispensable for the application of the present document. For dated references, only the edition cited applies. For non-specific references, the latest edition of the referenced document (including any amendments) applies.

[1] ETSI IPR Policy.

NOTE: The ETSI IPR Policy can be found at http://portal.etsi.org/Directives/home.asp.

[2] ETSI Guide on IPRs.

NOTE: The ETSI Guide on IPRs is to be found at http://portal.etsi.org/Directives/home.asp.

[3] ETSI Rules of Procedures (RoP).

NOTE: The ETSI Rules of Procedures (RoP) can be found at http://portal.etsi.org/Directives/home.asp.

2.2 Informative references

The following referenced documents are not essential to the use of the present document but they assist the user with regard to a particular subject area. For non-specific references, the latest version of the referenced document (including any amendments) applies.

[i.1] ETSI IPR database.

NOTE: Notification to ETSI of Essential or potentially Essential IPRs should be made using the combined

information statement and licensing declaration forms. Additional information can be found at

http://www.etsi.org/WebSite/AboutETSI/IPRsInETSI/iprdb.aspx.

[i.2] Declare your IPRs to ETSI.

NOTE: A step by step explanation for filling out the above mentioned forms is to be found in the <u>guidelines on</u>

how to declare an essential IPR and how to make a licensing declaration to ETSI. Additional information

can be found at http://www.etsi.org/WebSite/AboutETSI/IPRsInETSI/iprdb.aspx.

3 Definitions and abbreviations

3.1 Definitions

The terms "ESSENTIAL", "IPR" and "STANDARD" given below are defined in the "Definitions" annex of the ETSI IPR Policy.

ESSENTIAL: as applied to IPR means that it is not possible on technical (but not commercial) grounds, taking into account normal technical practice and the state of the art generally available at the time of standardization, to make, sell, lease, otherwise dispose of, repair, use or operate EQUIPMENT or METHODS which comply with a STANDARD without infringing that IPR.

For the avoidance of doubt in exceptional cases where a STANDARD can only be implemented by technical solutions, all of which are infringements of IPRs, all such IPRs shall be considered ESSENTIAL.

NOTE: In practical terms, the existence of an Essential IPR makes it necessary to have a licence in order to exploit the standard concerned.

IPR: shall mean any intellectual property right conferred by statute law including applications therefore other than trademarks.

For the avoidance of doubt rights relating to get up, confidential information, trade secrets or the like are excluded from the definition of IPR.

STANDARD: shall mean any standard adopted by ETSI including options therein or amended versions and shall include European Standards (ENs) (telecommunications series), ETSI standards (ESs), Common Technical Regulations (CTRs) which are taken from ENs (telecommunications series) and including drafts of any of the foregoing, and documents made under the previous nomenclature, including ETSs, I-ETSs, parts of NETs and TBRs, the technical specifications of which are available to all MEMBERS, but not including any standards, or parts thereof, not made by ETSI.

The date on which a STANDARD is considered to be adopted by ETSI for the purposes of this POLICY shall be the date on which the technical specification of that STANDARD was available to all MEMBERS.

The following definitions also apply:

notified: means any IPR information of which ETSI has been formally notified by the owner of the IPR or, any IPR information of which ETSI has become aware, pursuant to the IPR Policy

IPR licensing declaration: this is a declaration to the effect that the IPR owner declares that he is prepared to grant licences on fair, reasonable and non-discriminatory terms, in accordance with article 6.1 of the ETSI IPR Policy

3GPP standards: all standards issued by ETSI in relation to 3rd Generation Partnership Project (3GPP)

NOTE: From http://portal.etsi.org/, click on the "3GPP" tab.

BRAN standards: all standards issued by ETSI Project Broadband Radio Access Networks (BRAN)

NOTE: From http://portal.etsi.org/, click on the "BRAN" tab.

DAB standards: all standards issued by ETSI in relation to Digital Audio Broadcasting (DAB)

NOTE: See http://www.etsi.org/WebSite/Technologies/DAB.aspx.

DCS 1800 standards: all standards issued by ETSI in relation to European Cellular Digital - Global System for Mobile Communication - DCS 1800 extensions

NOTE: From http://portal.etsi.org/, click on the "3GPP" tab.

DECT standards: all standards issued by ETSI in relation to Digital Enhanced Cordless Telephone (DECT), previously known as Digital Enhanced Cordless Telephone (DECT)

NOTE: From http://portal.etsi.org/, click on the "DECT" tab.

DTM standards: all standards issued by ETSI in relation to Dynamic synchronous Transfer Mode (DTM)

NOTE: SPAN Technical Body has closed. See http://portal.etsi.org/tb/closed_tb/span.asp.

All SPAN standards can now be found under TISPAN.

DVB standards: all standards issued by ETSI in relation to Digital Video Broadcasting (DVB)

NOTE: See http://www.etsi.org/WebSite/Technologies/DVB.aspx.

DECT/GSM interworking standards: all standards issued by ETSI in relation to interworking between DECT and GSM

ERMES standards: all standards issued by ETSI in relation to European Radio Messaging System (ERMES)

NOTE: From http://portal.etsi.org/, click on the "ERM" tab.

GPRS standards: all standards issued by ETSI in relation to General Packet Radio Service (GPRS)

NOTE: From http://portal.etsi.org/, click on the "3GPP" tab.

GSM standards: all standards issued by ETSI in relation to European Cellular Digital - Global System for Mobile Communication (GSM)

NOTE: From http://portal.etsi.org/, click on the "3GPP" tab.

HDSL standards: all standards issued by ETSI in relation to High bit rate Digital Subscriber Line (HDSL)

NOTE: From http://portal.etsi.org/, click on the "TM" then "TM 06" tab.

HIPERLAN standards: all standards issued by ETSI in relation to High Performance Radio Local Area Network (HIPERLAN)

ISDN standards: all standards issued by ETSI in relation to Integrated Services Digital Network (ISDN)

NOTE: From http://portal.etsi.org/, click on the "SPAN" tab.

Lawful Interception (LI) standards: all standards issued by ETSI in relation to Lawful Interception (LI)

NOTE: See http://portal.etsi.org/li/Summary.asp.

PSTN standards: all standards issued by ETSI in relation to Public Switched Telephone Network (PSTN)

NOTE: From http://portal.etsi.org/, click on the "AT" tab.

SDSL standards: all standards issued by ETSI in relation to Symmetrical Digital Subscriber Line (SDSL)

NOTE: From http://portal.etsi.org/, click on the "TM" then "TM 06" tab.

STAG standards: all standards issued by ETSI in relation to Security Techniques Advisory Group (STAG)

NOTE: From http://portal.etsi.org/, click on the "SEC" tab.

Television systems standards: all standards issued by ETSI in relation to TV broadcasting systems

NOTE: From http://portal.etsi.org/, click on the "BROADCAST" tab.

TETRA standards: all standards issued by ETSI in relation to Terrestrial Trunked Radio (TETRA), previously known as Trans-European Trunked Radio (TETRA)

NOTE: From http://portal.etsi.org/, click on the "TETRA" tab.

TFTS standards: all standards issued by ETSI in relation to Terrestrial Flight Telecommunication System (TFTS)

NOTE: From http://portal.etsi.org/, click on the "ERM" tab.

TIPHON standards: all standards issued by ETSI in relation to Telecommunications And Internet Protocol Harmonization Over Networks (TIPHON)

NOTE: TIPHON Technical Body has closed. See http://portal.etsi.org/tb/closed-tb/tiphon.asp.

All TIPHON standards can now be found under TISPAN.

UMTS standards: all standards issued by ETSI in relation to Universal Mobile Telecommunications System (UMTS)

NOTE: From http://portal.etsi.org/, click on the "3GPP" tab.

VDSL standards: all standards issued by ETSLin relation to Very high speed Digital Subscriber Line (VDSL)

NOTE: From http://portal.etsi.org/, click on the "TM" then "TM 06" tab.

3.2 Abbreviations

For the purposes of the present document, the following abbreviations apply:

AD Andorra

AE United Arab Emirates

AF Afghanistan

AG Antigua and Barbuda

AI Anguilla AL Albania AM Armenia

AN Netherlands Antilles

AO Angola AQ Antarctica AR Argentina

ARIPO African Regional Intellectual Property Organization

AS American Samoa

AT Austria
AU Australia
AW Aruba
AZ Azerbaijan

BA Bosnia and Herzegovina

BB Barbados
BD Bangladesh
BE Belgium
BF Burkina Faso
BG Bulgaria
BH Bahrain
BI Burundi

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BJ
               Benin
BM
               Bermuda
BN
               Brunei Darussalam
BO
               Bolivia
BR
               Brazil
BS
               Bahamas
BT
               Bhutan
BV
               Bouvet Island
BW
               Botswana
BY
               Belarus
BZ
               Belize
CA
               Canada
CC
               Cocos (Keeling) Islands
CF
               Central African Republic
CG
               Congo
CH
               Switzerland
               Côte d'Ivoire
CI
CK
               Cook Islands
CL
               Chile
CM
               Cameroon
CN
               China
CO
               Colombia
CR
               Costa Rica
CU
               Cuba
CV
               Cape Verde
CX
               Christmas Island
CY
               Cyprus
CZ
               Czech Republic
DE
               Germany
DJ
               Djibouti
DK
               Denmark
DM
               Dominica
DO
               Dominican Republic
DZ
               Algeria
EAPO
               Eurasian Patent Office
EC
               Ecuador
EE
               Estonia
               Western Sahara
EG
EH
EPC
               European Patent Convention
EPO
               European Patent Office
ER
               Eritrea
ES
               Spain
ET
               Ethiopia
EU
               European Union
FΙ
               Finland
FJ
               Fiji
               Falkland Islands (Malvinas)
FK
FM
               Micronesia (Feder. States Of)
FO
               Faroe Islands
FR
               France
FX
               France, Metropolitan
GA
               Gabon
GB
               United Kingdom
GD
               Grenada
GE
               Georgia
GF
               French Guiana
GH
               Ghana
               Gibraltar
GI
GL
               Greenland
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GM

GN

Gambia

Guinea

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GP
                                                    Guadeloupe
GQ
                                                    Equatorial Guinea
                                                    Greece
GR
                                                    So. Georgia And So. Sandwich
GS
GT
                                                    Guatemala
GU
                                                    Guam
GW
                                                    Guinea-Bissau
GY
                                                    Guyana
HK
                                                    Hong Kong
HM
                                                    Heard And Mcdonald Islands
HN
                                                    Honduras
HR
                                                    Croatia
                                                    Haiti
HT
HU
                                                    Hungary
                                                    Indonesia
ID
ΙE
                                                    Ireland
IL
                                                    Israel
IN
                                                    India
IO
                                                    British Indian Ocean Territory
IPC
                                                    International Patent Convention
IO
IR
                                                 Comoros
Saint Kitts And Nevis
Korea, Dem. People's Rep. Of
Korea, Republic Of
Kuwait
Cayman Islands
Cazakhstan
ao People's
Cayman Standard Standard
                                                    Iran (Islamic Republic Of)
IS
IT
JM
JO
JP
 KE
KG
KH
 ΚI
KM
KN
KP
KR
 KW
 KY
KZ
LA
LB
                                                    Lebanon
LC
                                                    Saint Lucia
LI
                                                    Liechtenstein
LK
                                                    Sri Lanka
LR
                                                    Liberia
LS
                                                    Lesotho
LT
                                                    Lithuania
LU
                                                    Luxembourg
LV
                                                    Latvia
LY
                                                    Libyan Arab Jamahiriya
MA
                                                    Morocco
MC
                                                    Monaco
MD
                                                    Moldova, Republic Of
MG
                                                    Madagascar
                                                    Marshall Islands
MH
                                                    FYROM (The Former Yugoslav Republic of Macedonia)
MK
ML
                                                    Mali
                                                    Myanmar
MM
                                                    Mongolia
MN
MO
                                                    Macau
MP
                                                    Northern Mariana Islands
MO
                                                    Martinique
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Mauritania

MR