list of searchable applications

**Explanatory Note**

The list of Searchable Applications has been developed in order to allow an efficient and meaningful search for frequency information within Europe. It is based on the following principles:

1. The list should facilitate an efficient and meaningful search and not a legally binding description of the Application terms used;
2. The list should only use unambiguous terms, which give clear guidance for data entry and retrieval;
3. The List of Searchable Applications is complementary to the List of Radio Services in the ITU RR and it is meant to describe the actual utilisation of the frequency bands. In other words, the List of Radio Services in the ITU RR gives the regulatory framework and the List of Searchable Applications gives the actual use;
4. The List of Searchable Applications should allow administrations to associate the terms used on a national level with the terms used in the list.

The List of Searchable Applications is divided into three layers of detail. This allows each administration to choose the level of detail it would like to indicate within a certain frequency band. When searching for and comparing information EFIS makes use of these layers. For example, a search for a specific term in layer 2 will automatically start a search for all terms in layer 3 under that specific term. If nothing is found in either layer 2 or 3, EFIS also checks layer 1 and informs the user if there is a hit. This functionality allows for an efficient and meaningful comparison, even though each administration has the flexibility to choose the level of detail it would like to indicate in a specific band.

Wherever possible administrations should use the highest detail possible (layer 3) when entering data into EFIS. In general, layer 3 only represents a few more specific expressions that do not necessarily cover all possible applications of the relevant term in layer 2. Those applications that are not covered by these more specific expressions are to be associated with the more general term in layer 2 or even in Layer 1, if necessary.

Due to the fact that some detailed applications can belong to 2 or even more general applications, e.g. the detailed application GPS can be regarded as an aeronautical, maritime or military application, they may show up several times in the list when presented in hierarchical mode. In alphabetical presentation mode each term in the list is only mentioned once.

The layer 1 term TRA-ECS is to be used under certain conditions; i.e. notably for EU Member States to be in line with common EU regulatory approaches or by CEPT administrations for frequency bands for which they find the term applicable. In such case and when more detailed information is available, administrations are urged to fill in information in layers 2 and 3 corresponding to the applications currently in use as listed for the layer 1 applications: e.g. Aeronautical, Broadcasting, Fixed, Land Mobile, and Maritime.

When an application term is deleted from this Annex, it is still possible to keep the term in the EFIS database for existing information, but the database will not accept new information with the deleted application term. This can be seen for the editor of the information with an asterisk (\*) behind the application term in the EFIS database.

The abbreviations used in the list are described at the end of this annex.

| **Layer 1** | **Layer 2** | **Layer 3** |
| --- | --- | --- |
| Aeronautical | Aeronautical communications | Aeronautical satcoms  AGA communications (civil)  SAR (communications)  WAIC |
| Aeronautical emergency | ELT |
| Aeronautical navigation | ASDE  Airborne doppler navigation aids  Airborne weather radar  Altimeters  Beacons (aeronautical)  DME  GBAS  ILS  Loran C  MLS  SAR (navigation)  VOR |
| Aeronautical surveillance | ADS  ASDE  Primary radar  SSR |
| Aeronautical telemetry/telecommand | Aeronautical telemetry  Aeronautical telecommand |
| Satellite navigation systems | GALILEO  GLONASS  GPS |
| Broadcasting | Broadcasting (terrestrial) | AM sound analogue  DRM  DVB-T  DVB-T2  FM sound analogue  MWS  T-DAB  T-DAB+  TV analogue (terrestrial) |
| Broadcasting (satellite) | Satellite radio  Satellite TV  SIT/SUT |
| Defence systems | Aeronautical military systems | AGA communications (military)  IFF  JTIDS/MIDS  TACAN-DME |
| Land military systems | Fixed radio relay (military)  Tactical mobile  Tactical radio relay |
| Maritime military systems | Sonobuoy |
| Meteorological aids (military) |  |
| Radiolocation (military) | Air-defence radar  Tactical radar |
| Satellite systems (military) | Earth exploration-satellite (military)  GLONASS  GPS  Satellite communications (military) |
| Telemetry/Telecommand (military) | Telemetry (military)  Telecommand (military) |
| Fixed | BWA | BFWA  FWA |
|  |  |
| Point-to-Multipoint | MWS  Scanning telemetry  FWA  Unplanned, uncoordinated fixed links |
| Point-to-Point | Private fixed networks  Public fixed networks  Audio links  Video links  Unplanned, uncoordinated fixed links |
| Land mobile | BWA |  |
| Cordless communications for voice and data | DECT |
| D-GPS |  |
|  |  |
| RMR | GSM-R  FRMCS |
| Inland waterway communications |  |
| ITS |  |
|  |  |
| Paging | NP2M  On-site paging  POCSAG  Talkback pocket unit  Wide area paging |
| PMR/PAMR | PAMR  PMR  PMR 446  TETRA  TETRAPOL |
| PPDR | BBDR  LAES  PLB |
| Telemetry/Telecommand (civil) | Scanning telemetry  Telemetry (civil) |
| Maritime | GMDSS | DSC  EPIRBs  INMARSAT C  MSI  NAVTEX  SAR (communications)  SAR (navigation)  AMRD Group A |
| Maritime communications | AIS  Inland waterway communications  INMARSAT  On-board communications  AMRD Group B |
| Maritime navigation | Beacons (maritime)  Inland waterway radar  Loran C  Maritime radar  RTE  SAR (navigation) |
| Satellite navigation systems | GALILEO  GLONASS  GPS |
| Meteorology | Lightning detection systems |  |
| Oceanographic buoys |  |
| Sondes |  |
| Weather radar |  |
| Weather satellites |  |
| Wind profilers |  |
| MFCN | Digital cellular | DA2GC |
| GSM |
| MCA |
| MCV |
| IMT |  |
| Other | Amateur |  |
| CB radio |  |
| GNSS Pseudolites |  |
| GNSS Repeater |  |
| HAPS |  |
| ISM |  |
| Land radionavigation |  |
| MBR |  |
| Meteor scatter communications |  |
| Radiolocation (civil) |  |
| Standard frequency and time signal |  |
| Tracking systems |  |
| UAS |  |
| PMSE | Audio PMSE | In-ear monitors  Radio microphones  Audio links |
| Video PMSE | Airborne Video Links  Cordless cameras  Video links |
| Service links | Talkback |
| Radio astronomy | Continuum measurements |  |
| Spectral line observations |  |
| VLBI observations |  |
| Radiolocation (civil) | Aeronautical radar | Airborne weather radar  Primary radar |
| Maritime radar | Inland waterway radar  RTE |
| Weather radar | Airborne weather radar |
| Satellite systems (civil) | Aeronautical satcoms | INMARSAT |
| Amateur-satellite |  |
| Broadcasting (satellite) | Satellite radio  Satellite TV  SIT/SUT |
| Earth exploration-satellite | Active sensors (satellite)  Passive sensors (satellite)  Synthetic aperture radar  Weather satellites |
| Feeder links |  |
| FSS Earth stations | AES  ESIM  ESV  GSO ESOMPs  HEST  LEST  NGSO ESOMPs  SIT/SUT  SNG  VSAT  NGSO FSS |
| Inter-satellite links |  |
| Meteorological satcoms |  |
| MSS Earth stations | AES  CGC  INMARSAT  IMT-2000 satellite component  S-PCS |
| Satellite navigation systems | GALILEO  GLONASS  GPS |
| Space operations |  |
| Space research | Active sensors (satellite)  Deep space (satellite)  Passive sensors (satellite) |
| Standard frequency and time signal-satellite |  |
| Weather satellites |  |
| Short Range Devices | Active medical implants | LP-AMI  ULP-AMI  ULP-AID  ULP-MMI |
| Alarms | Social alarms |
| Inductive applications |  |
| Medical Data Acquisition | MBANS  ULP-WMCE |
| Model control | Flying model control |
| Non-specific SRDs |  |
| Radiodetermination applications | BMA  Detection of movement and alert  GBSAR  GPR/WPR  LPR  Material Sensing  NMR  TLPR |
| Radio microphones and ALD | ALD  ALS  Radio microphones |
| Railway applications | Eurobalise  Euroloop |
| RFID |  |
| Tracking, tracing and data acquisition | Animal tracking  Asset tracking and tracing  Emergency detection  LAES  LT2  Meter reading  WIA |
| TTT | Automotive radar  Obstacle detection radar  Road tolling  SRR  Vehicle and infrastructure radar |
| UWB applications | BMA  GPR/WPR  LAES  LT2  Material Sensing  SRR |
| Wideband data transmission systems | RLAN |
| Wireless audio/multimedia | Baby monitoring  LP FM Transmitter  Cordless headphones and loudspeakers  Narrow band analogue voice devices |
| Non-beam WPT |  |
|  |  |  |

**LIST OF SEARCHABLE APPLICATIONS IN ALPHABETIC ORDER**

1. ’After Administrative Consultation and before publication, ECO will update this list with adding latest published ECC deliverables

| **List of searchable applications:** | **Layer** | **Comment:**  **(in case of addition of new term, term deleted, indicating reason for change of term etc., example deliverable where used)** |
| --- | --- | --- |
| Active medical implants | 2 | ERC/DEC/(01)17 |
| Active sensors (satellite) | 3 | ECA Table |
| ADS | 3 | ECA Table |
| Aeronautical | 1 | ECA Table |
| Aeronautical communications | 2 | ECA Table |
| Aeronautical emergency | 2 | ECA Table |
| Aeronautical military systems | 2 | ECA Table |
| Aeronautical navigation | 2 | ECA Table |
| Aeronautical radar | 2 | ECA Table |
| Aeronautical satcoms | 3(2) | ECA Table |
| Aeronautical surveillance | 2 | ECA Table |
| Aeronautical telecommand | 3 | ECA Table |
| Aeronautical telemetry | 3 | ECA Table |
| Aeronautical telemetry/telecommand | 2 | ECA Table |
| AES | 3 | ECC/DEC/(05)11 |
| AGA communications (civil) | 3 | ECC/DEC/(06)05 |
| AGA communications (military) | 3 | ECC/DEC/(06)05 |
| Airborne doppler navigation aids | 3 | ECA Table |
| Airborne Video Links | 3 | ERC/REC 25-10 |
| Airborne weather radar | 3 | ECA Table |
| Air-defence radar | 3 | - |
| AIS | 3 | ECA Table |
| Alarms | 2 | ERC/REC 70-03 |
| ALD | 3 | ERC/REC 70-03 |
| ALS | 3 | ERC/REC 70-03 |
| Altimeters | 3 | ECA Table |
| AM sound analogue | 1 | - |
| Amateur | 2 | ECA Table |
| Amateur-satellite | 2 | ECA Table |
| AMRD Group A | 3 | ECC/DEC/(22)02 |
| AMRD Group B | 3 | ECC/DEC/(22)02 |
| Animal tracking | 3 | - |
| ASDE | 3 | ECA Table |
| Asset tracking and tracing | 3 | ERC/REC 70-03 |
| Audio Links | 3 | ERC/REC 25-10 |
| Audio PMSE | 2 | ERC/REC 25-10 |
| Automotive radar | 3 | ERC/REC 70-03 |
| Baby monitoring | 3 | ERC/REC 70-03 |
| BBDR | 3 | ECC/REC/(08)04 |
| Beacons (aeronautical) | 3 | ECA Table |
| Beacons (maritime) | 3 | ECA Table |
| BFWA | 3 | ECC/REC/(06)04 |
| BMA | 3 | ECC/DEC/(07)01 |
| Broadcasting | 1 | ECA Table |
| Broadcasting (terrestrial) | 2 | ECA Table |
| Broadcasting (satellite) | 2 | ERC/DEC/(00)08 |
| BWA | 2 |  |
| CB radio | 2 | ECC/DEC/(11)03 |
| CGC | 3 | ECC/DEC/(06)09 |
| Continuum measurements | 2 | ECA Table |
| Cordless cameras | 3 | ECC/REC/(02)09 |
| Cordless headphones and loudspeakers | 3 | ERC/REC 70-03 |
| Cordless communications for voice and data | 2 | ERC/DEC/(94)03 |
|  |  |  |
| DECT | 3 | ERC/DEC/(94)03 |
| Deep space (satellite) | 3 | ECA Table |
| Defence systems | 1 | ECA Table |
| Detection of movement and alert | 3 | ERC/REC 70-03 |
| D-GPS | 2 | ECA Table |
| Digital cellular | 2 | ECA Table |
| DME | 3 | ECA Table |
| DRM | 3 | ECA Table |
| DSC | 3 | ECA Table |
| DVB-T | 3 | ECA Table |
| Earth exploration-satellite | 2 | ECA Table |
| Earth exploration-satellite (military) | 3 | ECA Table |
| ELT | 3 | ECA Table |
| Emergency detection | 3 | ERC/REC 70-03 |
| EPIRBs | 3 | ECA Table |
| ESIM | 3 | ECC/DEC/(18)04, ECC/DEC/(18)05 |
| ESV | 3 | ECC/DEC/(05)09, ECC/DEC/(05)10 |
| Eurobalise | 3 | ERC/REC 70-03 |
| Euroloop | 3 | ERC/REC 70-03 |
| Feeder links | 2 | ECA Table |
| Fixed | 1 | T/R 13-01 |
| Fixed radio relay (military) | 3 | ECA Table |
| Flying model control | 3 | ERC/REC 70-03 |
| FM sound analogue | 3 | ECA Table |
| FRMCS | 3 | ECC/DEC/(20)02 |
| FSS Earth stations | 2 | ERC/DEC/(00)07 |
| FWA | 3 | ECA Table, ECC/REC/(01)04 |
| GALILEO | 3 | ECA Table |
| GBAS | 3 | ECA Table |
| GBSAR | 3 | ERC/REC 70-03, ECC/DEC/(21)02 |
| GLONASS | 3 | ECA Table |
| GMDSS | 2 | ECA Table |
| GNSS Pseudolites | 2 | ECC/REC/(11)08 |
| GNSS Repeater | 2 | ECC/REC/(10)02 |
| GPS | 3 | ECA Table |
| GPR/WPR | 3 | ECC/DEC/(06)08 |
| GSM | 3 | ERC/DEC/(97)02 |
| GSM-R | 3 | ECC/DEC/(02)05 |
| GSO ESOMPs | 3 | ECC/DEC/(13)01 |
| HAPS | 2 | ECA Table |
| HEST | 3 | ECC/DEC/(06)03 |
| IFF | 3 | - |
| ILS | 3 | ECA Table |
| IMT-2000 satellite component | 3 | ECA Table |
| IMT | 3 | ECC/DEC/(06)01, ECC/DEC/(06)13, ECA Table |
| Inductive applications | 2 | ERC/REC 70-03 |
| In-ear monitors | 3 | ERC/REC 70-03 |
| Inland waterway communications | 2(3) | ECA Table |
| Inland waterway radar | 3 | ECA Table |
| INMARSAT | 3 | - |
| INMARSAT C | 2 | - |
| Inter-satellite links | 2 | ECA Table |
| ISM | 2 | ECA Table |
| ITS | 2 | ECC/DEC/(08)01 |
| JTIDS/MIDS | 3 | ECA Table |
| LAES | 3 | ECC/REC/(11)10 |
| Land military systems | 2 | - |
| Land mobile | 1 | ECA Table |
| Land radionavigation | 3 | - |
| LEST | 3 | ECC/DEC/(06)02 |
| Lightning detection systems | 2 | ECA Table |
| Loran C | 3 | - |
| LP-AMI | 3 | ERC/REC 70-03 |
| LP FM Transmitter | 3 | ERC/REC 70-03 |
| LPR | 3 | ECC/DEC/(11)02 |
| LT2 | 3 | ECC/REC/(11)09 |
| Maritime | 1 | ECA Table |
| Maritime communications | 2 | ECA Table |
| Maritime military systems | 2 | ECA Table |
| Maritime navigation | 2 | ECA Table |
| Maritime radar | 2(3) | ECA Table |
| Material Sensing | 3 | ECC/DEC/(07)01 |
| MBANS | 3 | ERC/REC 70-03 |
| MBR | 2 | ECC/REC/(17)03 |
| MCA | 3 | ECC/DEC/(06)07 |
| MCV | 3 | ECC/DEC/(08)08 |
| Medical Data Acquisition | 2 | ERC/REC 70-03 |
| Meteor scatter communications | 2 | ECA Table |
| Meteorological aids (military) | 2 | ECA Table |
| Meteorology | 1 | ECA Table |
| Meteorological satcoms | 2 | ECA Table |
| Meter reading | 3 | ECC/DEC/(05)02, ERC/REC 70-03 |
| MFCN | 2 | ECC/DEC/(09)03, ECC/DEC/(15)01 |
| MLS | 3 | ECA Table |
| Model control | 2 | ERC/REC 70-03 |
| MSI | 3 | ECA Table |
| MSS Earth stations | 2 | ECC/DEC/(04)09 |
| MWS | 3 | ECC/REC/(01)04 |
| Narrow band analogue voice devices | 3 | ERC/REC 70-03 |
| NAVTEX | 3 | ECA Table |
| NGSO ESOMPs | 3 | ECC/DEC/(15)04 |
| NGSO FSS | 3 | ECC/DEC/(17)04 |
| NMR | 3 | ERC/REC 70-03 |
| Non-beam WPT | 2 | ERC/REC 70-03 (new annex under development) |
| Non-specific SRDs | 2 | ERC/REC 70-03 |
| NP2M | 3 | ECA Table and ECC/DEC/(19)02 |
| Obstacle detection radar | 3 | ERC/REC 70-03 |
| Oceanographic buoys | 2 | ECA Table |
| On-board communications | 3 | ECA Table |
| On-site paging | 3 | ECA Table |
| Other | 1 | - |
| Paging | 2 | ECC/DEC/(19)02 |
| PAMR | 3 | ECC/DEC/(19)02 |
| Passive sensors (satellite) | 3 | ECA Table |
| PLB | 3 | ECA Table |
| PMR | 3 | ECC/DEC/(19)02 |
| PMR 446 | 3 | ECC/DEC/(15)05 |
| PMR/PAMR | 2 | ECC/DEC/(19)02 |
| PMSE | 1 | ERC/REC 70-03, ERC/REC 25-10 |
| POCSAG | 3 | - |
| Point-to-Multipoint | 2 | ECA Table |
| Point-to-Point | 2 | ECA Table |
| PPDR | 2 | ECC/DEC/(08)05, ECC/DEC/(16)02, ECC/REC/(16)03 |
| Primary radar | 3 | ECA Table |
| Private fixed networks | 3 | - |
| Public fixed networks | 3 | - |
| Radio astronomy | 1 | ECA Table |
| Radio microphones | 3 | ERC/REC 70-03 |
| Radio microphones and ALD | 2 | ERC/REC 70-03 |
| Radiodetermination applications | 2 | ERC/REC 70-03 |
| Radiolocation (civil) | 2 | ECA Table |
| Radiolocation (military) | 2 | ECA Table |
| Railway applications | 2 | ERC/REC 70-03 |
| RFID | 2 | ERC/REC 70-03 |
| RLAN | 3 | ECC/DEC/(04)08 |
| RMR | 2 | ECC/DEC/(20)02 |
| Road tolling | 3 | ERC/REC 70-03 |
| RTE | 3 | ECA Table |
| SAP/SAB and ENG/OB |  | Not used anymore, replaced by PMSE to be in line with ERC/REC 25-10, existing entries in EFIS will be transferred by ECO to the application term PMSE with comment field entry ‘SAP/SAB and ENG/OB’ |
| SAR (communications) | 3 | ECA Table |
| SAR (navigation) | 3 | ECA Table |
| Satellite communications (military) | 3 | ECA Table |
| Satellite navigation systems | 2 | ECA Table |
| Satellite radio | 3 | - |
| Satellite systems (civil) | 1 | ECA Table |
| Satellite systems (military) | 2 | ECA Table |
| Satellite TV | 3 | - |
| Scanning telemetry | 3 | - |
| Service Links | 2 | ERC/REC 25-10 |
| Short Range Devices | 1 | ERC/REC 70-03 |
| SIT/SUT | 3 | ERC/DEC/(00)08 |
| SNG | 3 | ERC/REC 13-03 |
| Social alarms | 3 | ERC/REC 70-03 |
| Sondes | 2 | ECA Table |
| Sonobuoy | 3 | ECA Table |
| Space operations | 2 | ECA Table |
| Space research | 2 | ECA Table |
| S-PCS | 3 | ERC/DEC/(99)06 |
| Spectral line observations | 2 | ECA Table |
| SRR | 3 | ECC/DEC/(04)03, ECC/DEC/(04)10 |
| SSR | 3 | ECA Table |
| Standard frequency and time signal | 2 | ERC/REC 70-03 |
| Standard frequency and time signal-satellite | 2 | ERC/REC 70-03 |
| Subscriber access excluding MWS | 3 | - |
| Synthetic aperture radar | 3 | ECA Table |
| TACAN-DME | 3 | ECA Table |
| Tactical mobile | 3 | ECA Table |
| Tactical radar | 3 | ECA Table |
| Tactical radio relay | 3 | ECA Table |
| Talkback | 3 | - |
| Talkback pocket unit | 3 | - |
| T-DAB | 3 | ECA Table |
| Telecommand (military) | 3 | ECA Table |
| Telemetry (civil) | 3 | ECA Table |
| Telemetry (military) | 3 | ECA Table |
| Telemetry/Telecommand (civil) | 2 | ECA Table |
| Telemetry/Telecommand (military) | 2 | ECA Table |
| TETRA | 3 | - |
| TETRAPOL | 3 | - |
| TLPR | 3 | ERC/REC 70-03 |
| Tracking systems | 2 | - |
| Tracking, tracing and data acquisition | 2 | ERC/REC 70-03 |
|  | 1 | Note: The term MFCN is synonymous to the term TRA-ECS.  This note is to be deleted when the clean version is published. |
| TTT | 2 | ERC/REC 70-03, ECC/DEC/(16)01 |
| TV analogue (terrestrial) | 3 | - |
| UAS | 2 | - |
| ULP-AID | 3 | ERC/REC 70-03 |
| ULP-AMI | 3 | ERC/DEC/(01)17 |
| ULP-MMI | 3 | ERC/REC 70-03 |
| ULP-WMCE | 3 | ERC/REC 70-03 |
| Unplanned, uncoordinated fixed links | 3 | - |
| UWB applications | 2 | ECC/DEC/(06)04 |
| Vehicle and infrastructure radar | 3 | ERC/REC 70-03 |
| Video Links | 3 | ERC/REC 25-10 |
| Video PMSE | 2 | ERC/REC 25-10 |
| VLBI observations | 2 | ECA Table |
| VOR | 3 | ECA Table |
| VSAT | 3 | ERC/REC 13-03 |
| WAIC | 3 | ECA Table |
| Weather radar | 2 | ECA Table |
| Weather satellites | 2(3) | ECA Table |
| WIA | 3 | ERC/REC 70-03 Annex 2 |
| Wide area paging | 3 | ECC/DEC/(19)02 |
| Wideband data transmission systems | 2 | ERC/REC 70-03 |
| Wind profilers | 2 | ECA Table |
| Wireless audio/multimedia | 2 | ERC/REC 70-03 |