

## 9. Abkürzungen

### A / B

|           |                                                                                                        |
|-----------|--------------------------------------------------------------------------------------------------------|
| AAL       | ATM Adaption Layer                                                                                     |
| ABR       | Available Bit Rate                                                                                     |
| AC        | Authentication Center, Berechtigungszentrum                                                            |
| AM        | Amplituden Modulation                                                                                  |
| AMS       | ATM-Mobility Server                                                                                    |
| ARQ       | Automatic Repeat Request                                                                               |
| ASK       | Amplitude Shift Keying                                                                                 |
| ATM       | Asynchroner Transfer Mode                                                                              |
| ATM-Zelle | Übertragungsframe, aufgebaut aus Kopf-, Nutz- und Enddaten                                             |
| AUI       | Attachment Unit Interface                                                                              |
| BER       | Bit Error Rate, Bit Fehler Rate                                                                        |
| B-ISDN    | Breitband-ISDN                                                                                         |
| Bit       | Kleinste Dateneinheit in der Nachrichtentechnik                                                        |
| BPSK      | Binary PSK                                                                                             |
| BRAN      | Broadband Radio Access Network                                                                         |
| BRAN      | Broadband Radio Access Network                                                                         |
| Broadband | Breitband - Ein Service oder System, das Übertragungskanäle mit größeren Datenraten als ISDN verlangt. |
| Broadcast | Datenübertragung an alle Adressen oder Funktionseinheiten                                              |
| BS        | Basis Station                                                                                          |
| BSC       | Basis Station Controler                                                                                |
| BT        | Broadband Termination                                                                                  |
| BTC       | Broadband Termination Controler                                                                        |
| BTS       | Base Transiver Station                                                                                 |
| Burst     | Gesamtheit aller Datenblöcke oder Frames, die in einem Zeitschlitz übertragen werden sollen            |
| Byte      | 8 Bit, In Byte erfolgt meistens die Angabe der Datenmangen oder Übertragungsmengen                     |

### C / D

|         |                                                        |
|---------|--------------------------------------------------------|
| CBR     | Constant Bit Rate                                      |
| CDMA    | Code Division Multiple Access                          |
| CEPT    | Conférence Européenne des Postes et Télécommunications |
| CN      | Core Network; Basis Netzwerk                           |
| COFDM   | Code Offset Frequency Division Multiplexing            |
| CPCS    | Common Part Convergence Sublayer                       |
| CS      | Convergence Sublayer                                   |
| CSI     | Convergence Sublayer Inikation                         |
| CSMA/CA | Carrier Sens Multiple Access / Collision Avoidance     |
| CSMA/CD | Carrier Sens Multiple Access / Collision Detection     |

|               |                                                                                                                                           |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| CT            | Cell-Type                                                                                                                                 |
| DECT          | Digital European Cordless Telephone                                                                                                       |
| DIX           | DEC-Intel-Xerox, Firmenallianz für Ethernet-Spezifikation                                                                                 |
| DLC           | Data Link Control                                                                                                                         |
| DQDB          | Distributed Queue Dual Bus                                                                                                                |
| DSMA          | Digital Sens Multiple Access                                                                                                              |
| DSMA          | Digital Sens Multiple Access                                                                                                              |
| DSSS          | Direct Sequence Spread Spectrum                                                                                                           |
| <b>E / F</b>  |                                                                                                                                           |
| EIR           | Equipment Identity Register, Geräte-Identifizierungsregister                                                                              |
| EMV           | Elektro Magnetische Verträglichkeit                                                                                                       |
| EMVU          | EMV für die Umwelt                                                                                                                        |
| End delimiter | Ende Abgrenzung                                                                                                                           |
| ETSI          | European Telecommunication Standards Institute                                                                                            |
| FDD           | Frequency Division Duplexing                                                                                                              |
| FDDI          | Fiber Distributed Data Interface                                                                                                          |
| FDMA          | Frequency Division Multiple Access                                                                                                        |
| FEC           | Forward Error Correction, fehlerkorrigierte Codiervverfahren                                                                              |
| FFSK          | Fast FSK                                                                                                                                  |
| FHSS          | Frequency Hopping Spread Spectrum                                                                                                         |
| FM            | Frequenz Modulation                                                                                                                       |
| Frame         | Datenblock mit allen Kopf- und Endinformationen, der übertragen werden soll; meist in der Schicht vor der Bitübertragungsschicht erstellt |
| FSK           | Frequency Shift Keying                                                                                                                    |
| FTP           | File Transfer Protocol                                                                                                                    |
| Funk-Zelle    | idealisiert eine hexagonale Form, Bereich in dem eine MS Empfangen und Senden kann                                                        |
| FZB           | Funkzugbeeinflussung                                                                                                                      |
| <b>G / H</b>  |                                                                                                                                           |
| GMSC          | Gateway MSC                                                                                                                               |
| GMSK          | Gaußches MSK                                                                                                                              |
| GPS           | Global Positioning System, Satellitenortungssystem                                                                                        |
| GSM           | Global System for Mobile Communications                                                                                                   |
| Handover, HO  | Übergabe eines Teilnehmers mobilen Benutzers an eine andere Sende/Empfangsstation                                                         |
| HDLC          | High Level Data Link Control                                                                                                              |
| HDLC          | High Level Data Link Control                                                                                                              |
| HEC           | Header Error Control                                                                                                                      |
| HLR           | Home Location Register                                                                                                                    |
| HTTP          | Hyper Text Transfer Protocol                                                                                                              |
| HYPER-LAN     | High Performance Lokal Area Network                                                                                                       |

**I / J**

|              |                                                                     |
|--------------|---------------------------------------------------------------------|
| IEEE         | Institut of Electrical and Electronics Engineers                    |
| IETF         | Internet Engineering Task Force                                     |
| IF-Strahlung | Infrarot-Strahlung                                                  |
| IMEI         | International Mobile Equipment Identity                             |
| IP           | Internet Protocol                                                   |
| IPX          | Internet Paket Exchange                                             |
| IPX / SPX    | Internet Packet Exchange / Sequential Packet Exchange               |
| ISDN         | Integrated Services Digital Network                                 |
| ISM- Band    | Instrumental, Scientific and Medical Band                           |
| ISMI         | International Subscriber Mobile Identity                            |
| ISO          | International Standardization Organisation                          |
| ITU-T        | Vereinigung zur Standardisierung von<br>Telekommunikationstechniken |

**K / L**

|     |                                       |
|-----|---------------------------------------|
| LAN | Lokal Area Network                    |
| LLC | Logical Link Control                  |
| LWL | Licht-Wellen-Leiter (Glasfaser-Kabel) |

**M / N**

|         |                                                     |
|---------|-----------------------------------------------------|
| MAC     | Medium Access Control                               |
| MAN     | Metroplitan Area Network                            |
| MAP     | Mobile Application Part                             |
| MAU     | Medium Attachment Unit                              |
| MBS     | Mobile Broadband System                             |
| MDI     | Medium Dependent Interface                          |
| MODACOM | Mobil Data Communication, DeTeMobil Datenfunksystem |
| MS      | Mobile Station (Handy, Portable, Laptop)            |
| MSC     | Mobile Station Controler                            |
| MSK     | Minimum Shift Keying                                |
| MTA     | Mobile Terminal Adapter                             |
| NAP     | Network Access Point, Netzwerk Zugangspunkt         |
| NCP     | Netware Core Protocol                               |
| Netbios | Network Basic I/O-System                            |
| NMC     | Network Management Controller                       |
| NNI     | Network to Network Interface                        |
| NVM     | None Volatile Memory                                |

**O / P**

|     |                          |
|-----|--------------------------|
| OAM | Operation and Maintance  |
| ODI | Open Data Link Interface |

|          |                                                                                                                                       |
|----------|---------------------------------------------------------------------------------------------------------------------------------------|
| OQPSK    | Offset-QPSK                                                                                                                           |
| OSI      | Open Systems Interconnection                                                                                                          |
| PCM      | Pulse Code Modulation                                                                                                                 |
| PDU      | Protocol Data Unit                                                                                                                    |
| PIN      | Personal Identity Number                                                                                                              |
| PM       | Phasen Modulation                                                                                                                     |
| PMA      | Physical Medium Attachment                                                                                                            |
| Portable | quasistationäres Gerät; Gerät, das immer an einem festen Platz steht, aber bei einem Umbau schnell wo anders hingestellt werden kann. |
| PSK      | Phase Shift Keying                                                                                                                    |

**Q / R**

|        |                                                              |
|--------|--------------------------------------------------------------|
| QAM    | Quadratur Amplitude Modulation                               |
| QoS    | Quality of Service                                           |
| QPSK   | 4-PSK                                                        |
| RAS    | Radio Access System, Funk Zugangssystem                      |
| RD-LAP | Radio Data Link Access Protokoll, Motorola-Standard          |
| RFC    | Request for Comments, Standardisierungen zu TCP/IP-Protokoll |
| RIP    | Routing Information Protocol                                 |
| RNC    | Radio Network Controller, Verwendung in MODACOM              |
| RNG    | Radio Network Gateway , Verwendung in MODACOM                |
| RNG    | Radio Network Gateway                                        |
| RQCH   | Request Channel                                              |
| RXLEV  | Received Signal Input Level, Empfangspegel bei Handover      |
| RXQUAL | Received Signal Quality, Empfangsqualität bei Handover       |

**S / T**

|       |                                                                         |
|-------|-------------------------------------------------------------------------|
| SAMBA | System for Advance Mobile Broadband Applications                        |
| SAP   | Service Access Point                                                    |
| SAP   | Service Advertising Protocol; Verwendung bei Novel im IPX/SPX-Protokoll |
| SAR   | Segmentation and Reassembly Sublayer                                    |
| SDH   | Synchrone Digitale Hierarchie                                           |
| SIM   | Subsrciber Identity Module                                              |
| SN    | Sequence Number                                                         |
| SNMP  | Simple Network Management Protocol                                      |
| SPX   | Sequential Packet Exchange                                              |
| SSCS  | Service Specified Convergence Sublayer                                  |
| STDM  | Synchron Time Division Multiplexing                                     |
| TA    | Terminal Adapter                                                        |
| TC    | Transmission Convergence                                                |
| TCP   | Transmission Control Protocol                                           |

|       |                               |
|-------|-------------------------------|
| TDD   | Time Division Duplexing       |
| TDMA  | Time Division Multiple Access |
| TETRA | Trans European Trunked Radio  |
| TFTP  | Trivial FTP; einfaches FTP    |
| Tln   | Teilnehmer                    |
| TRAU  | Transcoder/Rate Adapter Unit  |

**U / V**

|              |                            |
|--------------|----------------------------|
| UBR          | Unsoecified Bit Rate       |
| UNI          | User to Network Interface  |
| UV-Strahlung | Ultraviolette Strahlung    |
| VB           | Virtual Branch             |
| VBR          | Variable Bit Rate          |
| VCC          | Virtual Channel Connection |
| VCI          | Virtual Channel Identifier |
| VLR          | Visitor Location Register  |
| VPI          | Virtual Path Identifier    |
| VT           | Virtual Tree               |

**W / X**

|      |                   |
|------|-------------------|
| WAN  | Wide Area Network |
| WATM | Wireless ATM      |

**Y / Z**

|     |                         |
|-----|-------------------------|
| ZBS | Zugbeeinflussungssystem |
|-----|-------------------------|