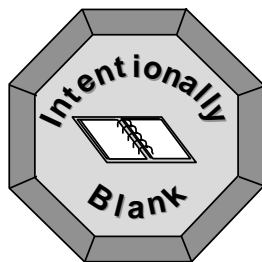
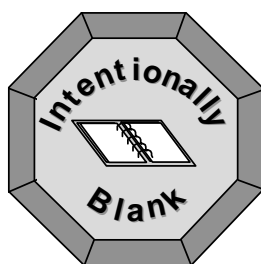

Index



Index
Table of Contents

Topic	Page
INDEX	325



INDEX

—#—

μ-law, 169

—A—

A interface, 79; 227

A3 Algorithm for authentication (SRES), 259

A5 ciphering algorithm, 261

A8 Algorithm for authentication (Kc), 259

AB Access Burst, 35

Abis interface, 79; 166

ACC access control class, 89

ACCMIN Minimum received signal level for access, 96

ACM Address Complete, 267

AE Application Entity, 83

AE Application Entity, 243

AGBLK Access Grant Blocks, 94

A-law, 169

ALH Air Link Handler, 119

Aloha procedure, 258

AM Application Modularity, 4

AMPS Advanced Mobile Public System, 9; 307

ANSI T1.403, 185

Application Layer, 73

ARFCN Absolute Radio Frequency Channel Number, 88

ASE Application Service Element, 243

Ater interface, 227

ATT Attached/detached, 93

AUC AUthentication Center, 3

AUC AUthentication Centre, 8

AXE, 2

—B—

BCCH Broadcast CHannels, 19

BCCH Broadcast Control CHannel, 17; 19

BCF Basic Control Functions, 175

BGW Billing GateWay, 15

BIB Backward Indicator Bit, 209

Block Codes, 135

BPC Basic Physical Channel, 22

BSC · Base Station Controller, 3

BSC Base Station Controller, 165

BSN Backward Sequence Number, 209

BSS · Base Station System, 2

BSS Base Station System, 10

BSSAP Base Station System Application Part, 80; 227; 229

BSSMAP Base Station System Management Application Part, 229

BTAP BSC/TRC Application Part, 227; 234

BTS Base Transceiver Station, 11; 165

BTSM Base Transceiver Station Management, 196	CCITT Comité Consultatif International Télégraphique et Téléphonique, 71
BTSM BTS Management, 81	CCITT G.703, 185
—C—	CCS Common Channel Signaling, 76
C/R Command/Response, 193	CDR Call Data Record, 15
C/R Command/Response bit, 123	CDU Combining and Distribution Unit, 184
c ₀ carrier, 17	CELL_RESELECT_OFFSET, 153
C1 path loss criterion parameter, 149	Channel coding, 135
C2 re-selection criterion, 152	CI Cell Identity, 93
C7ST SS7 Signaling Terminal block, 206	CIC Circuit Identity Code, 210
CA Cell Allocation, 17	CKSN Ciphering Key Sequence Number, 257; 259; 262
Call Dropback, 47	CL connectionless signaling, 217; 222; 229; 243
Call set-up, Mobile Terminating, 249	CM Connection Management, 80; 108
CAMEL Customised Applications for Mobile Enhanced Logic, 297	CO connection oriented, 229
CAP CAMEL Intelligent Network Application Part, 298	CO connection oriented signaling, 217; 219
CAS Channel Associated Signaling, 76	comfort noise, 172
CAS Customer Administration Systems, 14	constructor, 240
CB Cell Barred, 150	Convolution codes, 136
CB Cell barred for access, 89	CP Central Processor, 181
CBCH Cell Broadcast CHannel, 21	CP Control Protocol, 64
CBQ Cell Bar Qualify, 150	CR Connection Request, 219
CC Call Control protocol, 108	CRC Cyclic Redundancy Check, 134
CC Connection Confirm, 219	CREF Connection REFused, 219
CCCH Common Control CHannels, 19; 20	CRH Cell reselect Hysteresis, 96
CCHPWR maximum power level a mobile may use during access, 96	CSL Control Signaling Link, 180

CSO Customer Service Orders, 14

—D—

Data Link Layer, 74

DCCH Dedicated Control CHannels, 19; 20

DCF Default Call Forwarding, 290

DDU Distribution Data Unit, 230

DI Data Indication, 260

DISC Disconnect, 125

DLCI Data Link Connection Identification,
231

DM Disconnect Mode, 125

DPC Destination Point Code, 211

DR Data Request, 260

DT1 Data Form 1, 220

DT2 Data Form 2, 220

DTAP Direct Transfer Application Part, 229

DTI Data Transmission Interworking unit, 7

DTMF Dual Tone Multi Frequency, 109

DTX Discontinuous Transmission, 94; 168

Dummy Burst, 35

DUP Data User Part, 204

DXU Distribution Unit, 174

—E—

EA Extended Address, 122

ECU Energy Control Unit, 184

EFR Enhanced Full Rate, 169; 228

EIR · Equipment Identity Register, 3

EIR Equipment Identity Register, 9; 263

EL length indicator field extension bit, 126

EMRP Extension Module Regional
Processor, 182

ETB Exchange Terminal Board, 182

ETC Exchange Terminal Circuit, 181

—F—

FACCH Fast Associated Control CHannel,
21

FB Frequency correction Burst, 35

FCCH Frequency Correction CHannel, 19

FEC Forward Error Correction, 134

FIB Forward Indicator Bit, 209

FISU Fill In Signal Units, 207

FN TDMA Frame Number, 142

FNR Flexible Numbering Register, 250

FR full rate, 138; 169; 228

FSN Forward Sequence Number, 209

—G—

G.703, 175; 176

GIWU GSM InterWorking Unit, 7

Globalstar, 306

GMSC Gateway MSC, 6

GMSK Gaussian Minimum Shift Keying,
145

GS Group Switch, 167

- GSD Group Switch Device, 205
- GSM Global System for Mobile Communication, 6
- GSM TS GSM Technical Specifications, 31
- gsmSCF GSM Service Control Function, 298
- gsmSSF GSM Service Switching Function, 298
- GT Global Title, 223
- GTRC Global Title Routing Case, 224
- H—
- H Hopping parameter, 99
- Half-rate channel, 29
- Handover, 57
- HandOver access burst, 57
- HDLC High level Data Link Control, 56
- HLR · Home Location Register, 2
- HLR Home Location Register, 7
- HLR Redundancy, 250
- HPLMN Home PLMN, 297
- HPN High Penetration Notification, 307
- HR Half Rate, 169; 228
- HSCSD High Speed Circuit Switched Data, 23; 54
- hyperframe, 33
- I—
- I Information Transfer Format, 124
- I/O Input/Output, 182
- ICO Intermediate Circular Orbit, 306
- ILR Interworking Location Register, 9
- IMEI International Mobile Equipment Identity, 263
- IMEI International Mobile station Equipment Identity, 9
- Immediate Assignment on TCH, 49
- IMSI detach, 40
- IMSI International Mobile Subscriber Identity, 47
- IN Intelligent Network, 246
- Initial MS messages, 232
- Interleaving, 137
- Internet, 56
- Iridium, 306
- ISDN Integrated Service Digital Network, 6
- ISO International Standards Organization, 71
- ISP Intermediate Services Part, 237
- ISU ISDN User Part, 80
- ITU International Telecommunication Union, 71
- IWU Interworking Unit, 7; 52
- IWUP InterWorking function User Part, 204
- K—
- k maximum number of unacknowledged I frames, 131
- Kc Ciphering Key, 8; 261
- Ki authentication key, 259

—L—

L length indicator, 127; 209

L2ML Layer 2 Management Link, 190

LAI Location Area Identification, 93

LAI Location Area Identity, 38

LAPD Link Access Procedures on D channel, 81; 190

LAPDm Link Access Procedures on Dm channel, 82; 119

LES Land Earth Station, 306

LI Length Indicator Field, 126

Location Updating, 38; 270

logical channel, 18; 19

LPD Link Protocol Discriminator, 123

LRN local reference number, 219

LS Link Set, 77

LSSU Link Status Signal Units, 207

—M—

M more data bit, 127

MAP Mobile Application Part, 80; 243

MAXRET maximum retransmissions, 89

measurement report, 158

MFRMS Multiframe, 94

MIN Mobile Intelligent Network node, 14

MM Mobility Management, 80; 112

MMI Man Machine Interface, 108; 283

MNS Mobile Network Signaling, 107

MO call Mobile Originating call, 45

MS Mobile Station, 1

MS purging, 43

MSC · Mobile services Switching Center, 2

MSC Mobile Services switching Center, 4

MSISDN Mobile Station ISDN number, 47

MSK Minimum Shift Keying, 145

MSRN Mobile Station Roaming Number, 250

MSU Message Signal Unit, 207

MT Mobile Terminating, 249

MTP Message Transfer Part, 80; 203

Multiband, 302

multiframe, 34

Multiple frame operation, 121

MXE Message Center, 13

—N—

N(R) recieved sequence number, 193

N(S) sent sequence number, 193

N200 maximum number of retransmissions, 131

N201 maximum number of octets, 131

NB Normal Burst, 35

Network Layer, 74

NMC Network Management Center, 12

NSO Network Service Orders, 14

NSP Network Service Part, 80

—O—

O-CSI Originating CAMEL Subscription Information, 298

OMC Operation and Maintenance Center, 12

OPC Originating Point Code, 211

OSI reference model, 71

OSS · Operation and Support System, 2

OSS Operation and Support System, 12

—P—

P/F Poll/Final bit, 193

Paging, 252

paging block, 24

Paging Group, 31

PCD-D digital Pulse Code Device, 205

PCH Paging CHannel, 20

PCM Pulse Code Modulation, 45

PD Protocol Discriminator, 117

Peer entities, 105

PENALTY_TIME, 153

Periodic registration, 42

physical channel, 18

Physical Layer, 74; 134; 205

PLMN Public Land Mobile Network, 4; 148

Presentation Layer, 73

primitive, 240

PSK Phase Shift Keying, 145

PSTN Public Switched Telephone Network, 4

PWRC Power Control, 94

—R—

RACH Access Grant CHannel, 20

RACH Random Access CHannel, 20; 143

RAND RANDom number, 8; 259

Random Access Procedure, 132

RBS · Radio Base Station, 3

RBS 200, 175

RBS 2000, 183

RBS Radio Base Station, 11

RF RESource INDication, 163

RFCH Radio Frequency CHannel, 17

RLINKT Radio Link Timeout, 95

RP Regional Processor, 181

RR Radio Resource management, 80; 113

RR Radio Resources management, 196

RSL Radio Siganling Link, 190

RSL Radio Signaling Link, 197

RTC Remote Transcoder, 167

RTH Remote Transcoder Handler, 167

RTT Radio Transmission Terminal, 177

RTX Transmitter, 175

—S—

S Supervisory Format, 124

- SABM Set Asynchronous Balanced Mode, 121; 125; 256
- SACCH Slow Associated Control CHannel, 21
- SAP Service Access Point, 105
- SAPI Service Access Point Identifier, 105; 123; 127; 191
- SB Synchronization Burst, 35
- SC Service Center, 63
- SCCP Signaling Connection Control Part, 80; 217
- SCH Synchronization CHannel, 19; 141
- SDCCH Stand alone Dedicated Control CHannel, 20
- service primitives, 105
- Session Layer, 73
- SI Service Indicator, 209
- SID code word, 173
- SID Silence Descriptor, 172
- SIF Signaling Information Field, 210
- SIM Subscriber Identity Module, 8
- SIO Service Information Octet, 209
- SL Signaling Link, 77
- SME Short Message Entity, 63
- SMS Short Message Service, 14; 63; 111
- SMSCB Short Message Service Cell Broadcast, 21
- SMS-GMSC Short Message Service Gateway MSC, 7
- SMS-IWMSC Short Message Service InterWorking MSC, 7
- SOG Service Order Gateway, 14
- SP Signaling Point, 77; 213
- SPC Signaling Point Code, 77; 211
- SRES Signed RESponse, 8; 259
- SRSM Sub Rate Switch Module, 182
- SS Supplementary Services, 283
- SS Switching System, 2; 4
- SS7 Common Channel Signaling System No. 7, 79
- SSN SubSystem Number, 223; 243
- SSP Service Switching Point, 302
- ST-7 Signaling Terminal, 182
- STC Signaling Terminal Central, 180
- STP Signaling Transfer Point, 77; 83
- STR Signaling Terminal Regional, 180
- sub-channel, 25
- superframe, 34
- T—
- T200 waiting time for acknowledgement, 130
- T303 Call Initiation, network side, 264
- T3101 Immediate Assignment to SABM, network side, 259
- T3113 Paging Request to Paging Response, network side, 259
- T3120 aloha delay handling, Paging Request to Immediate Assignment (MS), 258

- T3212 Periodic Registration, 94
- T3260 Authentication Request to Authentication Response, network side, 260
- TA Timing Advance, 254
- TC Transaction Capabilities, 237
- TCAP Transaction Capabilities Application Part, 80
- TCAP Transaction Capabilities Application Part, 237
- TCH Traffic CHannel, 18
- T-CSI Terminating CAMEL Subscription Information, 298
- TDMA Time Division Multiple Access, 18
- TEI Terminal Endpoint Identifier, 176; 190
- TEMPORARY_OFFSET, 153
- TG Transceiver Group, 175
- TGC Transceiver Group Controller, 175
- TI Transaction Identifier, 117
- TM Timing Module, 175
- TMN Telecommunication Management Network, 13
- TMOS Telecommunications Management and Operations Support, 12
- TMSI Temporary Mobile Subscriber Identity, 252; 262
- Transport Layer, 74
- TRAU Transcoder and Rate Adaptation Unit, 167
- TRC TRAnsceiver Controller, 167
- TRC Transcoder Controller, 227
- TRH TRAnsceiver Handler, 167
- TRI Transmission Radio Interface, 174
- TRU TRAnsceiver Unit, 184
- TRU Transciever Unit, 10; 167
- TS Time Slot, 18
- TSC Training Sequence Code, 99
- TSW Time Switch, 182
- TTEN Transparent Transfer to/from an External Node, 292
- TUP Telephony User Part, 80
- TX, 89; 258
- U—
- U Unnumbered Format, 125
- UA Unnumbered Acknowledgment, 125
- UDT Unit Data, 222
- UI Unnumbered Information, 121; 125
- Um interface, 82; 105
- UP User Parts, 203
- USSD Unstructured Supplementary Service Data, 283
- V—
- V.11, 175; 177
- VAD Voice Activity Detection, 168
- VAD Voice Activity Detector, 171
- VLR · Visitor Location Register, 2

VLR Visitor Location Register, 6

VPLMN Visiting PLMN, 297

