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3rd Generation Partnership Project (3GPP); Technical Specification Group (TSG) RAN; Vocabulary

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Foreword

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The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of this TS, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows: Version 3.y.z

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x the first digit:

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1 Scope

This document is a collection of terms, definitions and abbreviations related to the baseline documents defining 3GPP objectives and systems framework. This document provides a tool for further work on 3GPP technical documentation and facilitates their understanding.

The terms, definitions and abbreviations as given in this document are either imported from existing documentation (ETSI, ITU or elsewhere) or newly created by 3GPP experts whenever the need for precise vocabulary was identified.

2 References

References may be made to:

- a) specific versions of publications (identified by date of publication, edition number, version number, etc.), in which case, subsequent revisions to the referenced document do not apply; or
- b) all versions up to and including the identified version (identified by "up to and including" before the version identity); or

- c) all versions subsequent to and including the identified version (identified by "onwards" following the version identity); or
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A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

3 Terms and definitions related to UTRA Radio aspects

A

Α	
Acceptable Cell	This is a cell that the UE may camp on to make emergency calls. It must satisfy certain conditions.
Access Stratum	
Access Stratum SDU	Unit of data transferred over the access stratum SAP (Service Access Point) in the Core
(Service Data Unit)	Network or in the User Equipment.
Active mode	"Active mode" is the state of a User Equipment when processing a call
Active Set	Set of radio links simultaneously involved in a specific communication service between an User Equipment and a UTRAN access point
ALCAP	Generic name for the transport signaling protocols used to set-up and tear-down transport bearers.
Allowable PLMN	This is a PLMN which is not in the list of forbidden PLMNs in the UE
Available PLMN	This is a PLMN where the UE has found a cell that satisfies certain conditions
Average transmit	The average transmitter output power obtained over any specified time interval,
power	including periods with no transmission
Average Transmitter	The mean of the total transmitted power over an entire transmission period
Power Per Traffic	
Channel (dBm)	
С	
Cable, Connector, and	The combined losses of all transmission system components between the transmitter
Combiner Losses	output and the antenna input (all losses in positive dB values).
(Transmitter) (dB)	
Cable, Connector, and	These are the combined losses of all transmission system components between the
Splitter Losses	receiving antenna output and the receiver input
(Receiver) (dB)	
Call Control	
Camped on a cell	The UE is in idle mode and has completed the cell selection/reselection process and has chosen a cell. The UE monitors system information and (in most cases) paging information. Note that the services may be limited, and that the PLMN may not be aware of the existence of the UE within the chosen cell.
Cell	A cell is a geographical area that can be identified by a User Equipment from a (cell) identification that is broadcast from one UTRAN Access Point
Coded Composite	A data stream resulting from encoding and multiplexing of one or several transport
Transport Channel (CCTrCH)	channels
Common Channel	A Channel not dedicated to a specific UE
Control channel	A "control channel" is a logical channel that carries system control information.
Controlling RNC	A role an RNC can take with respect to a specific set of UTRAN access points. There is only one Controlling RNC for any UTRAN access point. The Controlling RNC has the overall control of the logical resources of its UTRAN access point's
Coverage area	The "coverage area" is the area over which a UMTS service is provided with the service probability above a certain threshold.
D	
Dedicated Channel	A channel dedicated to a specific UE
Downlink	A "downlink" is a unidirectional radio link for the transmission of signals from a UTRAN access point to a UE. Also in general the direction from Network to UE.
Drift RNS	The role an RNS can take with respect to a specific connection between a User Equipment and UTRAN. An RNS that supports the Serving RNS with radio resources when the connection between the UTRAN and the User Equipment need to use cell(s)

	controlled by this RNS is referred to as Drift RNS.
DRX cycle E	The individual time interval between reading initial paging information for specific UE
Explicit Diversity Gain (dB)	This is the effective gain achieved using diversity techniques.
Н	
Hand-off Gain/Loss	This is the gain/loss factor (+ or -) brought by hand-off to maintain specified reliability
(dB) Handover	at the cell boundary.
Halluover	The transfer of a user's connection from one radio channel to another (can be the same or different cell).
Hard Handover	Hard handover is a category of handover procedures where all the old radio links in the
	UE are abandoned before the new radio links are established
Home PLMN	:This is a PLMN where the Mobile Country Code (MCC) and Mobile Network Code (MNC) of the PLMN identity are the same as the MCC and MNC of the IMSI
Ι	
Idle mode	Idle mode is the state of User Equipment switched on but which does not have any established RRC connection.
Information Data Rate	Rate of the user information, which must be transmitted over the Air Interface. For example, output rate of the voice codec.
Initial paging	This information indicates if the UE needs to continue to read more paging information
information	and eventually receive a page message.
Initial paging occasion	The paging occasion the UE uses as starting point for its DRX cycle.
Inter-cell handover	An "inter-cell handover" is a handover between different cells. An inter-cell handover requires network connections to be altered
Interference Signal	Given only interference power is received, the average power of the received signal after
Code Power (ISCP)	despreading to the code and combining
Intra-cell handover	An "intra-cell handover" is a handover within one sector or between different sectors of
Iu	the same cell. An intra-cell handover does not require network connections to be altered Interconnection point between an RNC and a Core Network. It is also considered as a reference point.
Iub	Interface between an RNC and a Node B
Iur	A logical interface between two RNC. Whilst logically representing a point to point link
	between RNCs, the physical realisation may not be a point to point link
L	
Location Registration	The UE registers its presence in a registration area, for instance regularly or when
(LR)	entering a new registration area.
Logical Channel	A logical channel is an information stream dedicated to the transfer of a specific type of information over the radio interface. Logical Channels are provided on top of the MAC
Logical Model	layer A Logical Model defines an abstract view of a network or network element by means of
Logical Model	A Logical Model defines an abstract view of a network or network element by means of information objects representing network element, aggregations of network elements,
	the topological relationship between the elements, endpoints of connections
	(termination points), and transport entities (such as connections) that transport
	information between two or more termination points.
	The information objects defined in the Logical Model are used, among others, by connection management functions. In this way a physical implementation independent
	management is achieved.
Logical O&M	Logical O&M is the signaling associated with the control of logical resources (channels,
	cells,) owned by the RNC but physically implemented in the Node B. The RNC controls
	these logical resources. A number of O&M procedures physically implemented in Node
	B impact on the logical resources and therefore require an information exchange
	between RNC and Node B. All messages needed to support this information exchange

LSA	are classified as Logical O&M forming an integral part of NBAP. Localised Service Area. A LSA is an operator-defined area, for which specific access conditions apply. This may correspond to an area in which the Core Network offers specific services. A LSA may be defined within a PLMN or globally. Therefore, a LSA
	may offer a non-contiguous radio coverage
M	
Macro cells	"Macro cells" are outdoor cells with a large cell radius
Macro diversity handover.	"Macro diversity" is a operation state in which a User Equipment simultaneously has radio links with two or more UTRAN access points for the sole aim of improving quality of the radio connection or providing seamless
Maximum output Power	This refers to the measure of average power at the maximum power setting
Maximum peak power	The peak power observed when operating at a given maximum output power
Maximum Power Setting	The highest value of the Power control setting which can be used.
Maximum Total Transmitter Power (dBm):	The aggregate maximum transmit power of all channels.
Maximum Transmitter Power Per Traffic Channel (dBm) Medium Access Control	The maximum power at the transmitter output for a single traffic channel.
Micro cells	"Micro cells" are small cells
Mobile evaluated handover	Mobile evaluated handover (MEHO) is a type of handover triggered by an evaluation made in the mobile. The mobile evaluates the necessity of handover based on the measured radio environment and based on criteria defined by the network. When the evaluation meets the hand-off criteria the necessary information is sent from the mobile to the network. The network then decides on the necessity of the handover based on the reported evaluation result and other conditions, e.g. uplink radio environment and/or
Mobile Station	availability of network resources, the network may then execute the handover. A "Mobile Station" (MS) is an entity capable of accessing a set of UMTS services via one or more radio interfaces. This entity may be stationary or in motion within the UMTS service area while accessing the UMTS services, and may simultaneously serve one or more users.
Mobility Management	A relation between the mobile station and the UTRAN that is used to set-up, maintain and release the various physical channels
N	
Node B	A logical node responsible for radio transmission / reception in one or more cells to/from the User Equipment. Terminates the Iub interface towards the RNC
Non-Access Stratum P	Protocols between UE and the core network that are not terminated in the UTRAN
Paging	Paging is the act of seeking a User Equipment
Paging occasions	The time instances where it is possible to receive initial paging information
Peak Power	The instantaneous power of the RF envelope which is not expected to be exceeded for [99.9%] of the time
Physical channel data stream	In the uplink, a data stream that is transmitted on one physical channel. In the downlink, a data stream that is transmitted on one physical channel in each cell of the
Physical Channel	active set. In FDD mode, a physical channel is defined by code, frequency and, in the uplink, relative phase (I/Q) . In TDD mode, a physical channel is defined by code, frequency, and time-slot.
Pico cells	"Pico cells" are cells, mainly indoor cells, with a radius typically less than 50 metres

Power Setting	The value of the control signal, which determines the desired transmitter, output Power. Typically, the power setting would be altered in response to power control commands
R	
Radio access bearer	The service that the access stratum provides to the non-access stratum for transfer of user data between User Equipment and CN.
Radio Access Mode	Mode of the cell, FDD or TDD
Radio Access Network	: Radio Network Signaling over the Iu.
Application Part	
Radio Access System	UTRA, GSM etc.
Radio Bearer	The service provided by the RLC layer for transfer of user data between User Equipment and Serving RNC.
Radio frame	A radio frame is a numbered time interval of 10 ms duration used for data transmission
	on the radio physical channel. A radio frame is divided into 15 time slots of 0.666 ms
	duration. The unit of data that is mapped to a radio frame (10 ms time interval) may
	also be referred to as radio frame
Radio interface	The "radio interface" is the tetherless interface between User Equipment and a UTRAN
	access point. This term encompasses all the functionality required to maintain such
	interfaces
Radio link	A "radio link" is a logical association between single User Equipment and a single
	UTRAN access point. Its physical realization comprises one or more radio bearer
	transmissions
Radio link addition	The procedure where a new radio link is added to the active set.
Radio Link Control	
Radio link removal	The procedure where a radio link is removed from the active set.
Radio Network	This equipment in the RNS is in charge of controlling the use and the integrity of the
Controller Radio Network	radio resources
Subsystem Application	Radio Network Signaling over the Iur
Part	
Radio Network	Either a full network or only the access part of a UTRAN offering the allocation and the
Subsystem	release of specific radio resources to establish means of connection in between an UE
	and the UTRAN.
	A Radio Network Subsystem is responsible for the resources and transmission/reception
	in a set of cells
Radio Network	A Radio Network Temporary Identifier is an identifier for a UE when an RRC
Temporary Identifier	connection exists. It is e.g. used by the MAC protocol on common Transport Channels
(RNTI):	(RACH, FACH, PCH).
Radio Resource	
Control	
Received Signal Code	Given only signal power is received, the average power of the received signal after
Power (RSCP): Receiver Antenna	despreading and combining The maximum gain of the receiver antenna in the horizontal plane (specified as dB
Gain (dBi)	relative to an isotropic radiator).
Receiver Noise Figure	Receiver noise figure is the noise figure of the receiving system referenced to the
(dB):	receiver input
Receiver Sensitivity	This is the signal level needed at the receiver input that just satisfies the required
(dBm):	Eb/(No+Io).
Registered PLMN	This is the PLMN on which the UE has performed a location registration successfully.
(RPLMN):	
Registration Area	A (NAS) registration area is an area in which the UE may roam without a need to
	perform location registration, which is a NAS procedure.
Relay	Terminal devices capable of ODMA relay communications
Relay/Seed Gateway	Relay or Seed that communicates with the UTRAN, in either TDD or FDD mode

Relaylink Repeater	Relaylink is a communications link between two ODMA relay nodes. A "repeater" is a radio transceiver used to extend the transmission of a base station beyond its normal range.
Required Eb/(No+Io) (dB): Root Relay	The ratio between the received energy per information bit to the total effective noise and interference power density needed to satisfy the quality objectives ODMA relay node where communications originate or terminate
RRC Connection	A point-to-point bi-directional connection between RRC peer entities on the UE and the UTRAN sides, respectively. An UE has either zero or one RRC connection
S	
Seamless handover	"Seamless handover" is a handover without perceptible interruption of the radio connection
Sector	A "sector" is a sub-area of a cell. All sectors within one cell are served by the same base station. A radio link within a sector can be identified by a single logical identification belonging to that sector.
Seed	Deployed ODMA relay node with or without a display/keypad.
Selected PLMN	This is the PLMN that has been selected by the non-access stratum, either manually or automatically
Service Access Point	
Serving RNS	A role an RNS can take with respect to a specific connection between an UE and UTRAN. There is one Serving RNS for each UE that has a connection to UTRAN. The Serving RNS is in charge of the RRC connection between a UE and the UTRAN. The Serving RNS terminates the Iu for this
Shared Channel	
Signaling connection	An acknowledged-mode link between the user equipment and the core network to transfer higher layer information between the entities in the non-access stratum.
Signaling link	Provides an acknowledged-mode link layer to transfer the MS-UTRAN signaling messages as well as MS - Core Network signaling messages (using the signaling connection
Soft Handover	Soft handover is a category of handover procedures where the radio links are added and abandoned in such manner that the UE always keeps at least one radio link to the UTRAN.
SRNS Relocation Suitable Cell T	The change of Iu instance and transfer of the SRNS role to another RNS. This is a cell on which an UE may camp. It must satisfy certain conditions
Test environment	A "test environment" is the combination of a test propagation environment and a deployment scenario, which together describe the parameters necessary to perform a detailed analysis of a radio transmission technology.
Traffic channel	A "traffic channel" is a logical channel which carries user information
Transmission Time	Transmission Time Interval is defined as the inter-arrival time of Transport Block Sets,
Interval	i.e. the time it should take to transmit a Transport Block Set.
Transmitter Antenna	The maximum gain of the transmitter antenna in the horizontal plane (specified as dB
Gain (dBi)	relative to an isotropic radiator
Transport Block	Transport Block is defined as the basic unit passed down to L1 from MAC, for L1 processing. An equivalent term for Transport Block is "MAC PDU".
Transport Block Set	Transport Block Set is defined as a set of Transport Blocks that is passed to L1 from MAC at the same time instance using the same transport channel. An equivalent term for Transport Block Set is "MAC PDU Set".
Transport Block Set Size	Transport Block Set Size is defined as the number of bits in a Transport Block Set
Transport Block Size	Transport Block Size is defined as the size (number of bits) of a Transport Block
Transport channel	The channels offered by the physical layer to Layer 2 for data transport between peer L1 entities are denoted as Transport Channels. Different types of transport channels are defined by how and with which characteristics data is transferred on the physical layer,

Transport Format	e.g. whether using dedicated or common physical channels A Transport Format is defined as a format offered by L1 to MAC for the delivery of a Transport Block Set during a Transmission Time Interval on a Transport Channel. The Transport Format constitutes of two parts – one dynamic part and one semi-static part.
Transport Format Combination	A Transport Format Combination is defined as the combination of currently valid Transport Formats on all Transport Channels of an MS, i.e. containing one Transport Format from each Transport Channel.
Transport Format Combination Set	A Transport Format Combination Set is defined as a set of Transport Format Combinations to be used by an MS
Transport Format Combination Indicator (TFCI)	A Transport Format Combination Indicator is a representation of the current Transport Format Combination
Transport Format Identification (TFI)	A label for a specific Transport Format within a Transport Format Set.
Transport Format Set	A set of Transport Formats. For example, a variable rate DCH has a Transport Format Set (one Transport Format for each rate), whereas a fixed rate DCH has a single Transport Format
U	
Universal Terrestrial	UTRAN is a conceptual term identifying that part of the network which consists of
Radio Access Network	RNCs and Node Bs between Iu an Uu
Uplink	An "uplink" is a unidirectional radio link for the transmission of signals from a UE to a base station, from a Mobile Station to a mobile base station or from a mobile base station
URA updating	URA updating is a family of procedures that updates the UTRAN registration area of a UE when a RRC connection exists and the position of the UE is known on URA level in the UTRAN
User Equipment UTRAN Registration Area (URA)	A Mobile Equipment with one or several UMTS Subscriber Identity Modules(s). The UTRAN Registration Area is an area covered by a number of cells. The URA is only internally known in the UTRAN.
UTRAN access point	A conceptual point within the UTRAN performing radio transmission and reception. A UTRAN access point is associated with one specific cell, i.e. there exists one UTRAN access point for each cell. It is the UTRAN-side end point of a radio link.
Uu V	The Radio interface between UTRAN and the User Equipment
Visited PLMN of home country	This is a PLMN, different from the home PLMN, where the MCC part of the PLMN identity is the same as the MCC of the IMSI.

4 Abbreviations

A	
Α	

AAL ATM Adaptation Layer AAL2 ATM Adaptation Layer type 2 AAL5 ATM Adaptation Layer type 5 ACCH Associated Control Channel ACIR Adjacent Channel Interference Ratio ACK Acknowledgement ACLR Adjacent Channel Leakage Power Ratio ACS Adjacent Channel Selectivity AESA ATM End System Address Acquisition Indicator AI Acquisition Indication Channel AICH ALCAP Access Link Control Application Protocol AP Access preamble ARP Address Resolution Protocol ARQ Automatic Repeat Request AS Access Stratum ASC Access Service Class ASN.1 Abstract Syntax Notation One ATM Asynchronous Transfer Mode AWGN Additive White Gaussian Noise B BCCH Broadcast Control Channel BCFE Broadcast Control Functional Entity Broadcast Channel BCH BER Bit Error Rate BID **Binding Identity** BLER Block Error Rate BPSK **Binary Phase Shift Keying** BS **Base Station** BSC **Base Station Controller** BSS **Base Station System** BTS **Base Transceiver Station** С C-Control-CA Capacity Allocation Capacity Allocation Acknowledgement CAA CB Cell Broadcast CBR **Constant Bit Rate** CC Call Control CCCH Common Control Channel CCH Control Channel **Common Control Physical Channel** CCPCH **CCTrCH** Coded Composite Transport Channel Capacity Deallocation or Collision Detection CD CDA Capacity Deallocation Acknowledgement **CDMA** Code Division Multiple Access

CFN	Connection Frame Number
CN	Core Network
CPICH	Common Pilot Channel
CPCH	Common Packet Channel
CPCS	Common Part Convergence Sublayer
CPS	Common Part Sublayer
CRC	Cyclic Redundancy Check
CRNC	Controlling Radio Network Controller
CS	Circuit Switched
СТСН	Common Traffic Channel
CTDMA	Code Time Division Multiple Access
SCTP	S Common Transport Protocol CHECK WITH wg3
CW	Continuous Wave (unmodulated signal)
0.11	Continuous (ruve (annioudated Signal)
D	
DC	Dedicated Control (SAP)
DCA	Dynamic Channel Allocation
DCCH	Dedicated Control Channel
DCH	Dedicated Control Channel
DHO	Diversity Handover
DL	Downlink (Forward Link)
DPCCH	Dedicated Physical Control Channel
DPCH	
	Dedicated Physical Channel Dedicated Physical Data Channel
DPDCH DRNC	Drift Radio Network Controller
DRNS	Drift RNS
DRX	Discontinuous Reception
DS-CDMA	Direct-Sequence Code Division Multiple Access
DSCH	Downlink Shared Channel
DTCH	Dedicated Traffic Channel
DTX	Discontinuous Transmission
Б	
E	
EIRP	Equivalent Isotropic Radiated Power
Б	
F	Formand Assess Channel
FACH	Forward Access Channel
FAUSCH	Fast Uplink Signaling Channel
FBI	Feedback Information
FCS	Frame Check Sequence
FDD	Frequency Division Duplex
FDMA	Frequency Division Multiple Access
FEC	Forward Error Correction
FER	Frame Erasure Rate, Frame Error Rate
FN	Frame Number
FP	Frame Protocol
G	
G	
GC	General Control (SAP)
GMSK	Gaussian Minimum Shift Keying
GP	Guard Period
GPRS	General Packet Radio System
GSM	Global System for Mobile communications
GTP	GPRS Tunneling Protocol

Н HCS HHO HO	Hierarchical Cell Structure Hard Handover Handover
I IMA IMSI IP IP-M ISCP ITU	Inverse Multiplexing on ATM International Mobile Subscriber Identity Internet Protocol IP Multicast Interference Signal Code Power International Telecommunication Union
J JD JP	Joint Detection Joint Predistortion
K kbps ksps	kilo-bits per second kilo-symbols per second
L L1 L2 L3 LAC LAI LCD LLC LSA	Layer 1 (physical layer) Layer 2 (data link layer) Layer 3 (network layer) Link Access Control Location Area Identity Low Constrained Delay Logical Link Control Local Service Area
M MA MAC MCC Mcps MDS ME MEHO MER MM MNC MO MOHO MOHO MS MSID MSC MT MTP	Multiple Access Medium Access Control Mobile Country Code Mega-chips per second Multimedia Distribution Service Mobile Equipment Mobile evaluated handover Message Error Rate Mobility Management Mobile Network Code Mobile Originated Mobile Originated Handover Mobile Station Mobile Station Identifier Mobile Station Identifier Mobile Services Switching Center Mobile Terminated Message Transfer Part
MTP3-B MUI	Message Transfer Part level 3 Mobile User Identifier

N NAS NBAP NEHO NNI NRT NSAP Nt	Non-Access Stratum Node B Application Part Network evaluated handover Network-Node Interface Non-Real Time Network Service Access Point Notification (SAP)
O OCCCH ODCCH ODCH ODMA O&M ORACH ODTCH OVSF	ODMA Common Control Channel ODMA Dedicated Control Channel ODMA Dedicated Channel Opportunity Driven Multiple Access Operation and Management ODMA Random Access Channel ODMA Dedicated Traffic Channel Orthogonal Variable Spreading Factor
P PC PCCC PCCH PCH PCPCH PCPCH PCS PDH PDSCH PDU PG PHS PHY PhyCH PI PICH PID PLMN PMD PN PMD PN PMM PMD PN PPM PRACH PS PSC PSCH PTM-G PTM-M PU	Power Control Parallel Concatenated Convolutional Code Paging Control Channel Paging Control Channel Paging Channel Physical Common Packet Channel Primary Common Control Physical Channel Personal Communication System Plesiochronous Digital Hierarchy Physical Downlink Shared Channel Protocol Data Unit Processing Gain Personal Handyphone System Physical Channel Page Indicator Page Indicator Page Indicator Page Indicator Page Indication Channel Packet Identification Public Land Mobile Network Physical Random Access Channel Packet Switched Primary Synchronization Code PSCCCH Physical Shared Channel Point-to-Multipoint PTM Multicast Payload Unit

Q	
QoS	Quality of Service
QPSK	Quadrature (Quaternary) Phase Shift Keying

R	
R RAB	Radio Access Bearer
RACH	Random Access Channel
RANAP	Radio Access Network Application Part
RF	Radio Frequency
RL	Radio Link
RLC	Radio Link Control
RLCP	Radio Link Control Protocol
RNC	Radio Network Controller
RNS	Radio Network Subsystem
RNSAP	Radio Network Subsystem Application Part
RNTI	Radio Network Temporary Identity
RRC	Radio Resource Control
RRM	Radio Resource Management
RSCP	Received Signal Code Power
RSSI	Received Signal Strength Indicator
RT	Real Time
RU	Resource Unit
RX	Receive
S	
SAAL	Signaling ATM Adaptation Layer
SACCH	Slow Associated Control Channel
SAP	Service Access Point
SAR	Segmentation and Reassembly
SCCH	Synchronization Control Channel
SCCPCH	Secondary Common Control Physical Channel
SCH	Synchronization Channel
SDCCH	Stand-Alone Dedicated Control Channel
SDH	Synchronous Digital Hierarchy
SDU	Service Data Unit
SF	Spreading Factor
SFN	System Frame Number
SIR	Signal-to-Interference Ratio
SMS CD	Short Message Service
SMS-CB	SMS Cell Broadcast
SP	Switching Point
SRNC	Serving Radio Network Controller Serving RNS
SRNS SS7	Signaling System No. 7
SSC	Secondary Synchronization Code
SSCOP	Service Specific Connection Oriented Protocol
SSCF	Service Specific Co-ordination Function
SSCF-NNI	Service Specific Coordination Function – Network Node Interface
SSCS	Service Specific Convergence Sublayer
SSDT	Site Selection Diversity Transmission
SSSAR	Service Specific Segmentation and Re-assembly sublayer
STC	Signaling Transport Converter
STTD	Space Time Transmit Diversity
~ 1 1 1 2	
Т	

Т

TC	Transmissic	on Convergence
TOU	T (C (1	1

TCH Traffic Channel

TDMA TF TFC TFCI TFCS TFI TFS TMSI TN TPC TrCH TSTD TTI TX	Time Division Multiple Access Transport Format Transport Format Combination Transport Format Combination Indicator Transport Format Combination Set Transport Format Indicator Transport Format Indicator Transport Format Set Temporary Mobile Subscriber Identity Termination Node Transmit Power Control Transport Channel Time Switched Transmit Diversity Transmission Timing Interval Transmit
U UARFCN UDARFN UDD UDP UE UER UL UMTS UNI UP URA USCH USIM UTRA UTRA	UTRA Absolute Radio Frequency Channel Number UTRA Absolute Radio Frequency Number Unconstrained Delay Data User Datagram Protocol User Equipment User Equipment with ODMA relay operation enabled Uplink (Reverse Link) Universal Mobile Telecommunications System User-Network Interface User Plane User Registration Area Uplink Shared Channel UMTS Subscriber Identity Module Universal Terrestrial Radio Access Universal Terrestrial Radio Access Network
V VA VBR VC	Voice Activity factor Variable Bit Rate Virtual Circuit
W WCDMA	Wideband Code Division Multiple Access

5. Equations

Average energy per PN chip for DPCH.
The ratio of the received energy per PN chip of the DPCH to the total transmit power spectral density at the BS antenna connector.
Average energy per information bit for the PCCPCH, SCCPCH and DPCH, at the UE antenna connector.
The ratio of combined received energy per information bit to the effective noise power spectral density for the PCCPCH, SCCPCH and DPCH at the UE antenna connector. Following items are calculated as overhead: pilot, TPC, TFCI, CRC, tail, repetition, convolution coding and turbo coding.
Average energy per PN chip.
The ratio of the average transmit energy per PN chip for different fields or physical channels to the total transmit power spectral density.
Frequency of unwanted signal
The total received power spectral density, including signal and interference, as measured at the UE antenna connector.
The power spectral density of a band limited white noise source (simulating interference from other cells) as measured at the UE antenna connector.
The total transmit power spectral density of the Forward link at the base station antenna connector.
The received power spectral density of the Forward link as measured at the UE antenna connector.
The effective noise power spectral density at the UE antenna connector.
Average energy per PN chip for the OCNS.
The ratio of the average transmit energy per PN chip for the OCNS to the total transmit power spectral density.
The ratio of the received PCCPCH energy per chip to the total received power spectral density at the UE antenna connector.
The ratio of the average transmit energy per PN chip for the PCCPCH to the total transmit power spectral density.
Secondary Common Control Physical Channel.
Average energy per PN chip for SCCPCH.

History

Document history		
01 Sept 1998	V 0.1.0 Inclusion of Vocabulary from SMG 2 ARC UTRAN Architecture Description; Stage 2; version 0.0.6	
12-Nov-98	V 0.1.1 New Editor, Howard Benn, Motorola. Included L2/3 Vocabulary Used in Radio Interface Protocol Specifications Version: 0.1.0	
8-Dec-98	V 0.1.2 Changes from Layer 2/3 expert group document S298y476	
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