Mobile-phone abbreviations demand explanation

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The cellular mobile-telephone system is becoming a reality [*Electronics*, May 24, 1979, p. 158]. As with most areas of specialized technology, this one possesses its own technical jargon—an amalgam of telephone, data-transmission, and computer vocabularies. The following list of 80 widely used abbreviations and acronyms covers the ones most likely to be encountered by the increasing number of engineers who will either need to be familiar with or will be directly engaged in work on such a cellular phone system.

AMA	automatic message accounting
AMPS	Advanced Mobile Phone Service (Bell System)
AWC	additional word coming
BCH	Bose-Chandhuri-Hocquenghem error-correcting code
CCIS	common-channel interoffice signaling
CCITT	International Consultative Committee on Telegraphy and Telephony
CCM	central control and monitoring
CCS	customer calling service
CIR	carrier-to-interference ratio
CMAX	number of setup channels to scan
CNR	carrier-to-noise ratio
CPA	common paging and access
CTB	cellular test bed
CU	control unit
D	distance between the centers of nearest cochannel cells
DDT	display, debugging, and test unit
DF	data frame
DM	data memory
DMU	data-manipulation unit
DPLMRS	domestic public land mobile-radio service
D/R	cochannel reuse ratio
DRS	data-retrieval system
DT	down time
ESS	electronic switching system
ETSL	extended telephone simulation language
f^2_{RMS}	mean-squared frequency deviation
HCMTS	high-capacity mobile telecommunications system
HF	hands free
$\bar{I}$	mean value of interfering signal

IMTS	improved mobile telephone system
LRI	locating receiver interface
LRR	locating radio receiver
LSF	line-supervision frame
MATS	maintenance and traffic simulator
MCL	mobile communications laboratory
MCG	mobile call generator
MCU	monitor and control unit
MERT	multienvironment real time
modem	modulator-demodulator
Moses	mobile-office simulated environment system
MPSC	mobile phone service center
MRT	mean recovery time
MSA	mobile service area
MTBF	mean time between failures
MTF	maintenance test frame
MTFC	maintenance test-frame controller
MTL	mobile telephone laboratory
MTSO	mobile telecommunications switching office
MUT	mean up time
MW	message waiting
N	Number of cells per cluster
$\bar{N}$	mean value of environmental noise
$\bar{N}_p$	mean value of weighted peak noise
NAM	number assignment module
No SVC	no service
NRZ	nonreturn to zero
PA/C	power amplifier and combiner
Procon	programmable controller
PSU	program storage unit
R	cell radius
R-BPF	receiving bandpass filter
RCC	radio common carrier
RCS	Rayleigh channel simulator
RSSI	received signal strength indicator
SAT	supervisory audio tone
Sinad	$(\text{Signal} + \text{noise} + \text{distortion}) \div (\text{noise} + \text{distortion})$
$\bar{S}m$	mean value of maximum signal
S/I	rf signal-to-interface ratio
$\bar{S}s$	mean value of serving signal
ST	signaling tone
TAC	terminal access circuit
T-BPF	transmitting-bandpass filter
TM	telemetry site
T-R	transmit-receive
TR	transceiver
TSU	trunk switching unit
VRD	voice receive data
VTDI	voice-transmitter data interface
WB	wideband
WSU	writable store unit