

INFORMATION REPORT

15 JUL 58

MISCELLANEOUS RADIO PROCEDURE SIGNS AND ABBREVIATIONS

RESEARCH
EVALUATION
DEVELOPMENT

CLANDESTINE
TECHNIQUES

DOC	<u>1</u>	REV DATE	<u>6/2/80</u>	BY	<u>037169</u>
ORIG COMP	<u>061</u>	GPI	<u>56</u>	TYPE	<u>03</u>
ORIG CLASS	<u>C</u>	PAGES	<u>34</u>	REV CLASS	<u>U</u>
JUST		NEXT REV		AUTH:	HR 78-2

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MISCELLANEOUS
RADIO PROCEDURE SIGNS
AND ABBREVIATIONS

✓15 July 1958

The following is a list of miscellaneous radio procedure signs and abbreviations compiled from various publications and radio procedures.

This list is for information only and is intended as a source of reference for determining meanings of radio signals heard on the air. The listing of these signals does not in any way imply official recognition nor authorization for their use. Neither are the signals or their meanings applicable to all or any particular radio circuit(s).

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ADDENDUM

1	2	3
VTSHI	WCHI	Yours
SIG(I)	SIG(Y)	Signals
OCHK	OMNK	Too much
DPZ	DPZ	Wave band
PZDR	PZDR	I congratulate
SRV	SRW	Competition
KVK	KWK	Shortwave hams
ANT	ANT	Aerial
KCH	KMN	Telegraph key
PRK	PRK	Receiver
PTSHU	PCHU	Please
CHST	MNST	Frequency
SGD	SGD	Today
ZVR	ZWR	Tomorrow
VRA	WRA	Yesterday
MIR	MIR	Peace
MSHCHT	MQT	Work
PHI	PHI	Interference (QRM)
PST	PST	Excuse
PYAL	PAAL	Received (confirm)
RAD	RAD	Glad
MGGTS	MGGC	Megacycles
NYUS	NIMS	I hope
KVTS	KWC	Crystal
YA	AA	I
VI	WY	You
ON	ON	He
MI	MY	We
IMYA	IMAA	Christian name

* This is not an internationally recognized "Q" signal, and is probably a Russian innovation for domestic use.

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ADDENDUM

Following are some of the more important code abbreviations used by Soviet Hams in their communications in addition to the usual Q code. The first column is transliterated Russian, the second column contains the letters as sent in International Morse code, and the third column is the English translation.

Underlined letters are the International Morse code equivalents for Russian code characters, for example ---. is not an International Morse code symbol but is the Russian code symbol for the Russian letter transliterated as "CH", and is represented by the combination "MN" (-- equals M and -. equals N).

1	2	3
VSEM	WSEM	CQ
TOV	TOW	Comrade
DOR(DR)	DOR(DR)	Dear
DSV	DSW	Cuagn (see you again)
ZDR	ZDR	Cheerio
MSK	MSK	Moscow time
BLG	BLG	Thanks
NET	NET	No
VSE	WSE	All
UKV	UKW	UHF
ABZ	ABZ	Paragraph
IZ	IZ	From
DENX	DENX	Good day
DVR	DWR	Good evening
TCHK	TMNK	Period
UOP	UOP	Soviet radio operator
URP	URP	Soviet SWL
SPB	SPB	Thanks
VZV	WZW	Call
SSHCHE	SQE	Report
ZA	ZA	For
TPRX	TPRX	Now
ZPT	ZPT	Comma
DVTCH	<u>DWTMN</u>	Colon
KJCH	<u>KVMN</u>	Quotes
OT	OT	From (station)
	*QRMN	Industrial QRM
TIRE	TIRE	Dash (-)
SKOBA	SKOBA	Parenthesis

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A

Signal	Meaning
A	Amplitude modulation
A	A.M.
AA	All after
<u>AA</u>	Unknown station; used also by U.S. Amateurs to mean end of line.
<u>AAA</u>	Period, separative sign
AB	All before
ABD	Repeat
ABR	Abbreviation; abbreviate
ABT	About
ABV	Repeat (or I repeat) the figures in abbreviated form; repeat; repeat above; above.
AC	Alternating current
ADC	Aerodrome control
ADR	Address; also heading
ADS	"
ADDS	"
ADZ	Advise
*AF	U.S.A.F. Accounting Symbol.
<u>AF</u>	Quotation mark
AGN	Again
AHR	Again here is; another
AIR	Relative to air

*See for complete list

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A

Signal	Meaning
AL	All
ALL	All
AM	A.M.
ANS	Answer
ANT	Antenna
APP	Approach control
APR	After (time or place).
$\overline{\text{AR}}$	End of transmission
ARFOT	Area Forecast Code is being employed in English units.
ARMET	Area Forecast Code is being employed in Metric units.
$\overline{\text{AS}}$	Wait
ASC	I am ascending (to...(height)).
$\overline{\text{ASM}}$	Wait a minute
ATC	Air traffic control
ATP	At...(time or place).
$\overline{\text{AU}}$	Separation signal
AUN	Audibility nil.
AVA	Before

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Signal	Meaning
B	More to follow
B	Type of emission (spark)
<u>BA</u>	Hyphen
BABS	Beam Approach Beacon System
BC,BCST	Broadcast
BCI	Broadcast Interference
BCL	Broadcast Listener
BCNU	Be seeing you
BD	Bad
BENCO	Bently's Second Code
BK	Break-in signal
BN	Between; Begin with number...; Begin now.
BQ	A reply to an RQ
<u>BT</u>	Long break; (sometimes written)
BTN	Between
BUG	Semi-automatic key
B4	Before

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C

Signal	Meaning
C	Correct; yes
CB	Cumulo nimbus
CC	Cirro Cumulus
CCC	Correction
CCC	Keep straight ahead.
CDE	Code
CEN	Degrees centigrade
CF	Confirm
CFM	"
CFN	Confirmation
CHNL	Channel
CI	Cirrus
CK	Check; group count
CL	Call; Send V's; I am closing my station.
CLD	Called
CLG	Calling; Send V's
CLN	Colon
CLR	Cleared to...
CMA	Comma
CMG	Coming
CMM	Comma
<u>CN</u>	Semi-colon

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Signal	Meaning
COL	Collate; Collect
CONDX	Conditions
CQ	General call to all stations.
CRT	Correct
CS	Call sign (to be used to ask for a call sign or to have one repeated).
CS	Cirrus stratus
CTA	Control area
CTR	Control zone
CU	Cumulus
CU	See you
CUA	See you again
CUD	Could
CUL	See you later
CUM	Come
CW	Continuous wave
CX	Conditions
CY	Copy
CYS	Cycles

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D

Signal	Meaning
D	Down
*DA	Department of the Army Accounting Symbol.
DN	Down
DAFRO	Change to... or, I will change to...(frequency or call sign).
DADXO	Discontinue listening on...; or, acknowledge last received.
DADYC	Listen also for...; or, congestion here.
DB	I cannot give you a bearing, you are not in the calibrated sector of this station.
DC	The minimum of your signal is suitable for the bearing.
DCT	Direct
DE	From; used to separate the call sign of the station called from the call sign of the calling station.
DEPEW	Please listen now for...; or, When you hear us there discontinue listening on (or to...).
DES	I am descending (to...(height)).
DEVIE	Relay
D/F	Direction finding
DF	Your bearing at...(time) was...degrees, in the doubtful sector of this station, with a possible error of...degrees.
DG	Please advise me if you note an error in the bearing given.
DI	Bearing doubtful in consequence of the bad quality of your signal.
DL,DLD	Delivered

*See for complete list.

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D

Signal	Meaning
DLT	Day letter
DJ	Bearing doubtful because of interference.
DME	Distance measuring equipment.
DO	Bearing doubtful. Ask for another bearing later (or at...(time)).
DP	Possible error of bearing may amount to...degrees.
DS	Adjust your transmitter, the minimum of your signal is too broad.
DT	I cannot furnish you with a bearing; the minimum of your signal is too broad.
DY	This station is not able to determine the sense of the bearing. What is your approximate direction relative to this station.
DZ	Your bearing is reciprocal. (To be used only by the control station of a group of directions relative to this station).

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E

Signal	Meaning
E	French ordinal suffix e.g., 1 st , 1 ^E ; 2 nd , 2 ^E ; etc.
ECO	Electron-coupled oscillator
EE	Received; chit-chat (2 bells by Teletype)
EEEEEE	Error (number varies)
EHF	Extremely high frequency
ERB	Landing off a runway is permitted.
ER,ERE	Here
ES	Yes; And
ETA	Estimated time of arrival
ETAT	State
ETD	Estimated time of departure.

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F

Signal	Meaning
F	Do not answer; broadcast method
F	Type of emission, e.g. F1, F2, etc.
FAH	Degrees fahrenheit
FAX	Facsimile
FB	Fine business
FC	Flight control
F (or) FFF	International Government Indicator
FCDE	Federal Code
FER	For
FM	From
FNA	Final approach
FONE	Phone, radiotelephone
FOT	Units of British System
FR	For; from
FRCU	Fracto-cumulus
FS	Fracto-stratus
FSR	Flight safety region
FT	Feet

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Signal	Meaning
G	Repeat back
GA	Go ahead
GB	Goodbye
GBA	Give better address
GCA	Ground controlled approach
GCT	Greenwich Civil Time
GE	Good evening
GEE	Gee
GEO	Geographic <u>or</u> true
GEM	Tuning signal
GG	Going
GHR	Government half rate
GLT	Greeting letter
GM	Good morning
GMT	Greenwich Mean Time
GN	Good night
GND	Ground
GOVT	Government
GP	Group
GR	Group count; group
GRNC	Groups not counted
GRP	Group

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IG

Signal	Meaning
GUD	Good
GUHOR	I do not hear you

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Signal	Meaning
HF	High frequency
HI	CW laugh
HITTOY	Heavy government traffic
HITS	Garbles
<u>HM</u>	Emergency silence
HPE	Hope
HR	Hear; here
HR	Hours (period of time)
HR\$	Fine business (\$=----); good (Russian)
HRD	Heard
HV	Have
HW	How; Herewith

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I

Signal	Meaning
I	Intercept method
IAR	Intersection of air routes.
IFR	Instrument flight rules
II	Separative sign (written-)
III	Separative sign (sometimes used in place of <u>AAA</u>).
ILS	Instrument landing system
IMI	Repeat; interrogatory
IMT	Immediately
INA	Initial approach
INF	Below
INP	If not possible
INS	Inches
INT	Interrogatory
IRL	Intersection of range legs
IRPT	I repeat
ITP	The punctuation counts.
IVB	If forward visibility is less than--- (figures and units).
IVR	If forward flight visibility remains--- (figures and units).
<u>IX</u>	Executive signal

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J

Signal

Meaning

J **Precedence-non-government**

JM **Make a series of dashes if I may transmit. Make a series of dots to stop my transmission (not to be used on 500 kcs except in cases of distress).**

JN **Apostrophe**

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Signal	Meaning
K	Invitation to transmit
\overline{KA}	Starting signal; attention
KC, KCS	Kilocycles
KC/S	Kilocycles per second
\overline{KK}	Brackets
\overline{KN}	The station called only is to reply (Ham)
KM	Kilometers
KMH	Kilometers per hour
KT	Knot

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Signal	Meaning
LEFT	Turn left
LC	Low cost
LF	Low frequency
LGR	Longer (wavelength)
LKS	Love and kisses
LID	Poor operator
LL	Landline
LR	Last received
LS	Last sent
LT	Ordinary letter
LTR	Later

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M

Signal	Meaning
M	Month; deferred precedence
MAG	Magnetic
MB	Millibars
MC, MCS	Megacycles
MC/S	Megacycles per second
MF	Medium frequency
MER	The indication of vertical distance is given as TRUE height above mean sea level. (E.G. after applying the correction for ambient temperature to the altitude reading of a pressure altimeter set to QNH).
MET	Meteorological
MIA	Instrument approach (SCS51/CAA).
MILS	Milliamperes
<u>MM</u>	Comma; separator
MKR	Marker radio beacon
MLS	Miles
MN, MIN	Minute
MPH	Statute miles per hour
MSK	Moscow Time
MSNG	Missing
MTU	Metric units

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N

Signal	Meaning
N	No; negative
N	North latitude. (To be used only with figures indicating latitude, e.g. 4730N).
*NAVY	Department of the Navy Accounting Symbol.
NC	Not counted (See GRNC)
ND	No dice; nothing doing.
NDB	Nondirectional radio beacon
NFT	No file time
NG	No good
NIL	Nothing
NL	No luck
NLM	Nautical miles
NLT	Night letter
NM	No more
NR	Number; message number
NS	Nimbo stratus
NW, NOW	Now; I resume transmission
NXT	Next

*See for complete list

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0

Signal	Meaning
O	Operational immediate
OB	Old boy
OBS	Weather report
OC	Old chap
OD	Duty operator
OFFICIAL or OFF	Official government message
OK	Ok, alright (sometimes sent in Morse . . --)
OM	Old man
OMN	Omnirange
OPC	The control indicated is Operational Control.
OPN	Operation
OP,OPR	Operator
\overline{OS}	Colon
OSC	Oscillator
OT	Old timer

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P

Signal	Meaning
P	P.M.
P	Prefix indicating a private radiotelegram.
P	Priority precedence
P	Page
P	Pulse type of emission, e.g. P ¹ , P ² , etc.
PBL	Preamble
PG	Page
PLS	Please
PM	PM
PP	Descent through cloud
PRES	The indication of vertical distance is (or is to be) replaced by the indication of the pressure, expressed in millibars, at the level and the position of the aircraft.
PRESS	Press traffic indicator
PREVU	The information refers to forecast and not to present conditions.
PSE	Please
PTN	Procedure turn
PTR	Printer
PTR	Used by a coast station to request the position and next port of call of a mobile station.
PWR	Power
PX	Press

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Signal

Meaning

QK

Paragraph

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R

Signal	Meaning
R	Received; separative sign; routine precedence; are
RAB	Radio Beacon
RACON	Radar Beacon
RAD	The control referred to is Radio Control.
RAJGO	Message undeliverable; or, addresses not arrived.
RAMUZ	Subject to correction
RCA	Reach cruising altitude
RCVD	Received
RCVR	Receiver
RDM	Radio message
REF	Reference to...(or Refer to...).
REP	Reporting point
RGR	Roger
RIG	Transmitter
RNG	Radio range
ROFOT	Route or Flight Forecast Code is being employed in English units.
ROMET	Route or Flight Forecast Code is being employed in Metric units.
RPT	Repeat (or I repeat)(or Repeat...).
RPTN	Repetition
RQ	Indication of a request
RRR	Turn right

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R

Signal	Meaning
RTTY or RATT	Radio teletype
RTG	Radio operator trigraph
RUSH	Hurry up; rush
RX	Receiver
RY	Standard teletype test signal

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S

Signal	Meaning
S or SSS	International government indicator
SA	Indicator preceding the name of an aircraft station (to be used in the sending of particulars of a flight).
SBA	Standard Beam Approach (British).
SC	Dollar sign (Morse)
SC	Strato cumulus
SCDE	State code
SED	Said
SEZ	Says
SF	Indicator preceding the name of an aeronautical station.
SG	Teletype test signal (RY is more common).
SHF	Super high frequency
SHTR	Shorter
SIA	Standard Instrument Approach
SIG	Signature
SIGS	Signals
SINE	Operator's initials
SIR	Operators sign
SITN	Situation
SK	End of contact (work)
SL	Seal
SLD	Sealed

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S

Signal	Meaning
SLD	I will transmit (on my present frequency or on...).
SLV	You transmit (on your present frequency or on...).
SMM	See my message
SMS	See my service
<u>SN</u>	Understood
SN	Indicator preceding the name of a coast station.
SOL	The indication of vertical distance is given as the reading, without correction for ambient temperature, of a pressure altimeter set to FE. (The abbreviation should only be used in the vicinity of the station which provided the QFE setting).
<u>SOS</u>	Distress signal
SRI	Sorry
SS	Indicator preceding the name of a ship station.
SSB	Single side band
ST	Stratus
STA	Straight-in approach
*STATE	Department of State Accounting Symbol.
SUP	Above
SUPV or SUPVR	Supervision
SVC	Service
SYM	See your message
SYNOP	Weather report

*See for complete list.

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3

Signal	Meaning
SYS	See your service

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T

Signal	Meaning
TBL	Trouble
TC	Transmit collation
TDY	Today
TFC	Traffic
TFZ	Traffic zone
TIL	Until
TIP	Until past...(place).
TMW	Tomorrow
TN	Then, than
TNX, TKS	Thanks
TO	To...(place)
TR	Used as a prefix to indicate reply to PTR.
TRB	It is not necessary to keep to the runways and taxiways after landing.
TRU	Through
TT	That
TTT	This group when sent three times constitutes the safety signal.
TU	Thank you
TWX	Landline teletypewriter
TX	Transmitter
TXT	Text

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U

Signal	Meaning
U	You
UA	Are we agreed?
UAB	Until advised by...
UHF	Ultra high frequency
<u>UK</u>	Underline
UPPERS	Upper case
UR	Your
URS	Yours
U, UP	Up

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V

Signal	Meaning
<u>VA</u>	End of contact (work)
VE	Understood
VFO	Variable frequency oscillator
VFR	Visual flight rules
VHF	Very high frequency
VIA	Via
VOR	VHF Omnidirectional radio range
VSA	By visual reference to the ground
VVV	Tuning signal
VY	Very

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W

Signal	Meaning
W	Word(s) or group(s)
WA	Word after
WAPUC	Please reply urgently
WB	Word before
WD, WDS	Word, Words
WKD	Worked
WKG	Working
WL	Well, will
WO	(Morse) Who? --- - - -
WX	Weather

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Signal	Meaning
\overline{XE}	Fraction bar slant (/)
XLT	Greeting letter
XMTR	Transmitter
XQ	Circuit conditions
XQS	Excuse me
XS	Static
XTAL	Crystal
XXX	This group when sent three times constitutes the urgency signal.
XYL	Wife

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Y

Signal	Meaning
Y	Why, Emergency precedence
YA	Yesterday
YD	Yards
YDI	Yesterday
YF	Wife
YGA	You go ahead
YL	Young lady
YR	Your
YS	Your service

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Z

Signal

Meaning

Z

Zone indicator for GMT, Flash precedence.

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Figures

2 Too
4 Start me again, I lost my place.
9 Change operators
73 Good luck; Best regards.
88 Love and kisses
2P, 3P,
etc. Second page; third page, etc.

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