

**ABBREVIATIONS FOR USE ON DRAWINGS,
PRODUCT MARKING, AND IN TEXT**

1. GENERAL

- 1.001** This addendum supplements Section 950.702.01, Issue 1.
- 1.002** This addendum is issued to revise certain items listed in issue 1 of this section and, to add various items that have accumulated since this BSP was issued.
- 1.003** This addendum should be filed with Section 950.702.01, Issue 1. The attached pages should be inserted in the section in place of the corresponding numbered pages.

Attached:

- Page 1 dated March, 1959, revised.**
Page 2 dated March, 1959, revised.
Page 2.1 dated March, 1959, added.
Page 3 dated March, 1959, revised.
Page 4 dated March, 1959, revised.
Page 9 dated March, 1959, revised.
Page 10 dated March, 1959, reissued without change.
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ABBREVIATIONS FOR USE ON DRAWINGS,
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CONTENTS	PAGE
1. GENERAL	1
2. APPLICATION OF ABBREVIATIONS	1
3. FORMS OF ABBREVIATIONS	2
Forms of a Word	2
Word Combinations	2
Periods	2
Use of Upper- and Lower-case Letters	2
4. SYMBOLS, SIGNS, AND DESIGNATIONS	2
5. PRODUCTS FROM OUTSIDE SUPPLIERS	2.1
6. ABBREVIATIONS — SINGLE WORDS AND WORD COMBINATIONS	3
7. ABBREVIATIONS — FRAMES, RACKS, BAYS, AND CABINETS	25

1. GENERAL

1.01 This section covers the approved abbreviations, including a few common symbols, for use in information issued for the Bell System. The abbreviations for single words agree in most cases with American Standards (ASA Z10.1, Z32.13, and proposed Y1.1/2), except where special conditions for Bell System usage prevail.

1.02 This information replaces that previously shown in Sections A804.010/AA613.001, B502.601, abbreviation section of Laboratories Z300.401.11 through Z300.401.21, X-62604, and Bell Telephone Laboratories, Incorporated, Design Standards Book 1, Section R.

1.03 When abbreviations are required for words not listed in this section, the matter shall be referred through normal organization channels to the Standards Engineer, Department 5241, Bell Telephone Laboratories, Incorporated.

1.04 Trademarks shall not be written as a common word or in any manner which dilutes its trademark significance.

1.05 Arrows have been added in Parts 6 and 7 only to indicate the addition of new items not listed previously in the other documents now being replaced, or where the form or forms of the abbreviation have been changed from that previously shown.

1.06 In Part 6, the following explanatory footnotes shall apply.

- (1) To be used only when specified on equipment drawings.
- (2) For use on drawings only.
- (3) For use in mathematical expressions only.

2. APPLICATION OF ABBREVIATIONS

2.01 Abbreviations are shortened forms of words or terms. The specific uses of these abbreviations should be in accordance with the usual applicable practices or instructions. It can be stated generally that they are intended principally for drawings, for markings appearing on apparatus or equipment, and for tables, lists, etc, in documents such as various specifications and Bell System Practices. Ordinarily, the text of these documents will be written with nonabbreviated words except when the abbreviations are used as designations.

2.02 The current standard abbreviations are shown in this section and shall be used in the preparation of all new drawings and documents such as specifications, practices, and letters effective with the issue of this section.

2.03 Old abbreviations differing from current standards are indicated by () and when specified on existing product documents shall be acceptable on current product for the items on

SECTION 950.702.01

which they are specified, but shall not be used on new drawings or documents.

┌ **Note:** When a new equipment drawing is required for new schematic figures added to an existing SD drawing using old abbreviations (Group or Subgroup Designations), the new equipment drawing and new schematic figures shall use the old abbreviations.

└ **2.04** Alternate abbreviations are shown for some words or terms, each alternate usually consisting of progressively fewer characters. The first abbreviation is to be used where space will permit and where clarity is of utmost importance. The shorter alternate abbreviations may be used where space will not permit a longer abbreviation, such as for the stamping of designations. In cases where no more than one character can be used for the abbreviation of a single word, the first letter of the word may be used as an abbreviation. The use of a single character abbreviation does not apply to word combinations except where specifically indicated in this section.

2.05 See Section AA612.015 entitled Color Combinations and Uses for wire color abbreviations.

3. FORMS OF ABBREVIATIONS

3.01 *Forms of a Word:* The commonly used form of each word listed has been shown in this section. The same abbreviation shall be used for all forms of a word except for the few exceptions listed herein which have been established by common usage.

┌ (a) Where definite "singular" or "plural" significance of an abbreviation is required for proper interpretation, either amplify the wording associated with the abbreviation to develop proper significance, or spell out instead of abbreviating. For example: (1) to all other
└ TRK or (2) to other TRUNKS.

3.02 *Word Combinations:* The abbreviations for specific word combinations listed herein shall be used for that set of words only. Abbreviations for any one of the words of the combination shall not be used separately, unless the individual word listing indicates the same

abbreviation. Abbreviations for new word combinations shall use the current abbreviations as listed herein for the individual words.

3.03 *Periods:* Periods following abbreviations have been shown only where the abbreviation without a period spells a complete word. However, in equipment designations, periods may be used between abbreviations to clarify the meaning where lack of space necessitates crowding the characters together without proper word spacing. Under such conditions, periods may be used only where the meaning of the designation is not clear without periods. The periods following abbreviations which spell a complete word as listed in this section shall be shown in all uses of such abbreviations, except where equipment designations are shown or specified, in which cases the periods shall be omitted.

3.04 *Use of Upper- and Lower-case Letters:* Abbreviations have been shown in this section in capitalized characters as used on drawings and for apparatus and equipment designations. Some exceptions are shown where text requires upper- and lower-case letters; however, these would be capitalized on drawings. When abbreviations are used in text, lower-case characters should be used in accordance with the usual practices applicable to text, and when words in the listing are shown with initial caps, the listed abbreviation should always be shown as indicated.

4. SYMBOLS, SIGNS, AND DESIGNATIONS

4.01 In general, letter symbols (such as λ for Wavelength or I for Current) and mathematical signs (such as $\sqrt{\quad}$ for Square Root or \div for Division) are not included in this listing. The few exceptions listed are those required for use on drawings and for product marking. Symbols required in text shall be in accordance with applicable American Standards or the standards of professional societies. Certain other symbols and abbreviations used in Bell System documents shall conform to applicable Bell System Practices (such as Section AA612.001/A804.009 for Wiring Symbols) as required.

4.02 Functional designations or reference designations used for component apparatus identification are in the category of arbitrary designations which are established to indicate specific functions or classes of components. The abbreviations listed herein are not intended for this purpose, although some abbreviations listed may be identical with such designations.

4.03 Abbreviations (equipment designations) for frames, racks, bays, cabinets, etc, shall use the abbreviations listed herein singly, or in word combinations, as required. The Standards Engineer, Department 5241, Bell Telephone

Laboratories, Incorporated, shall be advised of any new designations assigned to equipments of this type.

5. PRODUCTS FROM OUTSIDE SUPPLIERS

5.01 To avoid confusion in documents prepared for, or used in contacts with outside suppliers, abbreviations shall be avoided, except for commonly understood units of measure such as inches, feet, ohms, microfarads, etc, and generally recognized fastening device terms such as round head, countersunk head, and the identification of manufacturing operations such as counterbore, countersink, and spot faced.

6. ABBREVIATIONS - SINGLE WORDS AND WORD COMBINATIONS

<u>Term</u>	<u>Abbreviation</u>	<u>Term</u>	<u>Abbreviation</u>
		American Standards Association	ASA
		American Society of Civil Engineers	ASCE
		American Society of Mechanical Engineers	ASME
		American Telephone and Telegraph Company	AT&TCo
		American Wire Gage	AWG
		ammeter	AM.
		amount	AMT
		ampere	AMP
		ampere-hour	AMP HR or AH
		ampere-turn	AT.
		amplifier	AMPL (AMP)
		amplitude	AM.
		amplitude modulation	AM
		analyze	ANALY
		ancillary	ANC
		and	&
		and so forth	ETC
		Angstrom unit	A
		anneal	ANL
		announce	ANN
		annunciator	ANN (AN)
		anode	A
		anodize	ANOD
		answer	ANS
		answering cord	A CD
		answering jack	A JK
		ante-meridian	A.M.
		antenna	ANT.
		antifriction bearing	AFB
		antifriction metal	AFM
		antilogarithm	ANTILOG
		apparatus	APP
		apparatus blank	APP BLK
		Apparatus Specification Instructions	
		appearance	ASI
		appendix	APP
		appliance	APPX
		appliers	APPL
		applique	APPLR
		approval	APLQ
		approved	APPL
		approximate	APPD
		April	APPROX
		armature	Apr
		armored cable	ARM.
		Army-Navy	ARM. CA
		Army-Navy Aeronautical	AN
		arrange	ANA
		arrester	ARR
		artificial	ARR
		asbestos	ART.
		assemble	ASB
		assign	ASSEM
		assistant	ASGN
		associated	ASST
		association	ASSOC
		atmosphere	ASSN
		atomic	ATM
		attach	AT.
		attendant, attended	ATT
		attendant order circuit	ATT
		attenuation, attenuator	AOC
		audible	ATTEN
			AUD

<u>Term</u>	<u>Abbreviation</u>	<u>Term</u>	<u>Abbreviation</u>
heavy	HVY	ignition	IGN
→ hectare	HA	illuminate	ILLUM
height	HGT	illustrate	ILLUS
henry	H	image	IM
hexagon	HEX	immediate	IM
high	H	impact	IMP.
high frequency	HF	impedance	IMP.
high frequency patching	HF PTCH	impregnate	IMPG
high loss	HL	impulse	IMP.
high-low voltage	HLV	incandescent	INCAND
high pass	HP	inch	IN.
high-pass input and low-pass output	HP IN LP OUT	inch-pound	IN-LB
high potential	H POT	inches per second	IPS
high resistance	H RES	include	INCL
high-resistance ground	H RES G or HRG	incoming	INC
	HS	incoming brush	IB
high speed	HT	incoming call circuit	INC C CKT
high tension	HT	incoming group	IG
high tone	HT	incoming pulse correcting repeater	INC PULS CORR REP
high voltage	HV	incoming repeater	INC REP
high-voltage regulator	HVR	incoming trunk	INC TRK
highway	HWY	Incorporated	Inc
hogshead	HHD	increase	INCR
hold	HLD	independent	INDEP
holder	HLR	indicate	IND
holding coil	HC	indicated horsepower	IHP
holding cord	HLD CD	indicated horsepower-hour	IHP-HR
holding trunk	HLD TRK	inductance	IND
horizontal	HOR	inductance-capacitance	LC
horn	HN	inductance-capacitance- resistance	LCR
horsepower	HP	inductor	INDR
horsepower-hour	HP-HR	infinite	INF
hot rolled	HR	inflammable	INFL
hot-rolled steel	HRS	information	INFO
hour	HR	information (rating)	INF
housing	HSG	initial	INIT
howler	HLR	initiator	INIT
hundred	C (HUNDS)	input	IN.
→ hundred call seconds	CCS	insert	IN.
hundreds	HUNDS (C)	inside diameter	ID
hundredweight (112 lb)	CWT	inside dimension	ID
hunting	HTG	inspect	INSP
→ hybrid	HYB (HY)	install	INSTL
hybrid, drop side, 2-wire line	HYD	instantaneous	INST
hybrid, drop side, 4-wire line	HXD	instantaneous automatic volume control	IAVC
hybrid, line side, 2-wire line	HYL	Institute of Radio Engineers	IRE
hybrid, line side, 4-wire line	HXL	instruct	INST
hydraulic	HYD	instrument	INST
hyperbolic cosecant	CSCH	insulation	INS
hyperbolic cosine	COSH	integral	INT
hyperbolic sine	SINH	→ intensity	INT
hyperbolic tangent	TANH	intercept	INCPT
hyperbolic cotangent	COTH	intercepted service	INCPT SERV
hyperbolic secant	SECH	intercepting answering jack	INCPT ANS JK
		intercepting position	INCPT POS
		intercepting trunk	INCPT TRK
		interchangeable	INTCHG
		intercommunication	INTERCOM
		interdigital time	IDG T
		interference	INT
		interference suppressor	INT SPR
		interior	INT
identify	IDENT, ID	interlocal	ILOC
identifier	IDENT, ID	interlocal trunk	ILOC TRK

I

<u>Term</u>	<u>Abbreviation</u>	<u>Term</u>	<u>Abbreviation</u>
interlock	INTLK		K
intermarker	IM		
intermarker group	IMG		
intermarker group sender	IMGS	"K" carrier order circuit	KOC
intermarker group trunk	IMG TRK	Kelvin Temperature	K
intermediate	INTER, INT	key control	KC
→ Intermediate Frequency	IF	key display	KD
intermediate power amplifier	IPA	key indicator	KI
intermediate ringing	INT R or IX	key listening	KL
intermittent	INTMT	key monitoring desk	KEY MON DSK
internal	INT	keypulsing	KP
International Pipe Standard	IPS	keyseat	KST
interoffice	IO	keyset	KS
interoffice trunk	IO TRK	keyshelf	KYSH
interphone	INTERPHN	keyway	KWY
interposer	I	kilo (combining form)	K
interposer network	IN	kilocycles or kilocycles	
interposer slave network	ISN	per second	KC
interposer slave relay	ISR	kilogram	KG
interposition	INTPOS, IP	kilohm	K
interposition trunk	INT POS TRK or IP TRK	kilomega	KM
interrupt	INTER, INT	kilomegacycles per second	KMC
interrupted continuous wave	ICW	kilometer	KM
interrupted low tone	INT LT	kilometers per second	KMPS
interrupted trouble tone	INT TBL T	kilovar	KVAR
interrupter flash	INT FL	kilovar-hour	KVARH
interruptions per minute	IPM	kilovolt	KV
interruptions per second	IPS	kilovolt-ampere	KVA
intersect	INT	kilovolt-ampere-hour	KVAH
intersender timing	IST	kilovolts X its telephone	
intertoll	IT.	influence factor	KV T
intertoll dialing selector	IT SEL	kilowatt	KW
intertoll trunk	IT TRK	kilowatthour	KWH or Kwhr (3)
intramarker	IAM	kilowatts reactive	KWR
intramarker group	IAMG	kinescope	KIN.
intramarker group trunk	IAMG TRK	kip	K
intraoffice	IAO	knife	KNF
intraoffice trunk	IAO TRK	knockout	KO
inverse	INV	knurl	KNL
inverse neutral	INV NTL		
inverse time limit	ITL		
invert	INV		
inward	IN.		L
inward denied service	IN DS		
iron	I		
iron-pipe size	IPS	Laboratories Assembly	LA
irregular	IRREG, IRR	Laboratories Change Notice	LCN
issue	ISS	Laboratories Change Notice on a WECo "J" Drawing	LJ
		Laboratories Change Notice on a WECo "ED" Drawing	LED
		→ Laboratories Change Notice on a WECo "P" drawing	LCP
		Laboratories Change Notice on a WECo "T" Drawing	LT
		Laboratories Part	LP
		Laboratories Requirements for Material	LRM
		laboratory	LAB
		lacquer	LAQ
		ladder	LAD.
		lambert	L
		lambert	L
		laminare	LAM
		lamp	LP
		lamp cap	LC
jack	JK		
jack panel	JK PAN or JP		
jack per line	JPL		
jack per station	JPS		
January	Jan		
joint	JT		
joule	J		
journal	JNL		
July	Jul		
junction	JCT		
June	Jun		

<u>Term</u>	<u>Abbreviation</u>	<u>Term</u>	<u>Abbreviation</u>
lamp socket	LS	Long Lines Department	LL
land area located module	LLM	longitude	LONG.
last	L	long range	LR
last trunk busy	LTB	loop	LP
lateral	LAT	loop noise killer	LP NK
latitude	LAT	loud	L
lead covered	LC	loudspeaker	L SPK, LS
leading edge	LE	loudspeaker trunk	L SPK TRK
leak	LK	louver	LVR
least common multiple	LCM	low frequency	LF
leave	L	low loss	LL
leave word service	LWS	low pass	LP
left	LT	low-pass input and high-	
left hand	LH	pass output	LP IN HP OUT
left lower	LL	low resistance	L RES
left upper	LU	low-resistance ground	LR GRD or
length	LG		LRG
lengthening	LNG	low speed	LS
level	LEV	low tone	LOW T or LT
license	LIC	low voltage	LOW V or LV
light	LT	lower	LOW.
lighting	LTG	lower side band	LOW SB
lighting circuit	LTG CKT	lowest common multiple	LCM
lighting arrestor	LA	lubricate	LUB
limiter	LIM	lumen	L
limited	LTD	lumen-hour	L-HR
line	L	lumens per watt	LPW
line identifier	LI		
line insulation test	LIT		
linear	LIN		
line finder	L FDR or LF		
line lamp	LL		
→ lineman	LMN	machine	MACH
line relay prepayment	LRP	machine ringing	MR
line switch	L SW or LS	machine ringing brush	
line verification test	LVT	alarm	MACH R BR A
line voltage	LINE V	machine screw	MS
line voltage regulator	LINE V REG	machine steel	MS
link	LK	made from piece part	MFP
liquid	LIQ	magnet	MAG
listening	LIST.	magnetic shield	MAG SH or MS
liter	L	magneto	MAG
lithograph	LITHO	magnetomotive force	MMF
loading	LD	mahogany	MAH
local	LOC	main	MN
local automatic message		main station	MAIN STA
accounting	LAMA	maintenance	MTCE
local battery	LB	major	MJ
local cable	LC	make busy	MB
local message unit	LMU	male & female	M & F
local number switch	LNS	malleable	MALL.
local order circuit	LOC	malleable iron	MI
local oscillator	LO	manager	MGR
local outlet	LOC O	manhole	MH
local station	LOC STA	manual	MAN.
local test desk	LTD	manual tandem position	MAN TDM POS
locate	LOC	manual volume control	MVC
locker	LKR	manufacture	MFR
lockout	LO	Manufacture Discontinued	Mfr Disc. or
lock washer	LW	(Rating)	MD
logarithm (common)	LOG.	Manufacture Limited	Mfr Ltd or
logarithm (natural)	LN	(classification)	ML
long	LG	manufactured	MFD
long distance	LD	manufacturing	MFG
long distance recorder	LD REC	Manufacturing Department	
long haul	LH	Instructions	MDI
long lines	LL		

M

SECTION 950.702.01

<u>Term</u>	<u>Abbreviation</u>	<u>Term</u>	<u>Abbreviation</u>
March	Mar	micrometer	MIC
margin	MARG	micro-micro	UU
marine	MAR.	micromicrofarad	UUF ($\mu\mu\text{F}$)
mark	MK		(MMF)
marker	MKR	micromho	UMHO
marker group	MKR GRP	micron	U
master	MA	microphone	MIKE
master controller	MAS CONT	microsecond	USEC
master switch	M SW or MS	microvolt	UV
master timer	M TMR	microwatt	UW
material	MATL	middle	MID
maximum	MAX	midnight	M
maximum material condition	MMC	mile	MI
mean effective pressure	MEP	miles per hour	MPH
mean high tide	MHT	military	MIL.
mean high water	MHW	milli	M
mean horizontal candlepower	MHCP	milliammeter	MAM (MA)
mean low tide	MLT	milliampere	MA
mean low water	MLW	milligram	MG
mean sea level	MSL	milligrams per square inch	MSI
mean spherical candle power	MSCP	millihenry	MH
mean tide	MT	millilambert	ML
→ measure	MEAS	millimeter	MM
mechanical	MECH	millimicrosecond	MUSEC
Mechanical Ticket Distributing System	MTDS	milling machine	M MACH
mechanism	MECH	million gallons per day	MGD
median	MED	millisecond	MSEC
medical	MED	millivolt	MV
medium	MED	millivoltmeter	MVM
medium frequency	MF	milliwatt	MW
mega (combining form)	MEG	minimum	MIN
megacycles per second	MC	minor	MN
megamegacycles per second	MMC	minute	MIN
megavolt	MEGV	miscellaneous	MISC
megawatt	MEGW	mixer	MIX.
megohm	MEG	mixture	MIX.
melting point	MP	model	MOD
memorandum	MEMO	modify	MOD
merchandise	MDSE	modulator	MOD
mercury arc	MA	modulated continuous wave	MCW
mercury arc rectifier	RECT	modulator band filter	MBF
message	MSG	modulator-demodulator	MODEM
message rate	MR	mold	MLD
message rate individual	MRI	molding	MLDG
message rate party	MRP	molecular weight	MOL WT
message rate 2-party	MR2P	monitor	MON
message rate 4-party	MR4P	month	MO
message register	MR	motor	MOT
message register (for message register pilot lamps only)	REG	motorfield	MF
message unit	MU	motor-generator	MG
messenger	MESS.	motor start switch	MOT ST SW
messenger call	MESS CALL or MC	motor stop alarm	MA
	MET.	motor transfer	MT
metal	MET RET	mounted	MTD
metallic return	MET TLG	mounting	MTG
metallic telegraph	(M TELEG)	multicall	MC
	M VM	multicontact	MC
metallic voltmeter	M	multifrequency	MF
meter	MBCO	multifrequency keyset	MF KS
meter battery cutoff	MEZZ	multifrequency pulsing	MF PULS or MF P
mezzanine	U		ML
micro	UA	multiline	MULT
microampere	UF (μF) (MF)	multiple	M ADD
microfarad	UH	multiple address	MM
microhenry	UOHM	multiple marking	
microhm			
Page 14			

SECTION 950.702.01

<u>Term</u>	<u>Abbreviation</u>	<u>Term</u>	<u>Abbreviation</u>
paragraph	PAR.	pilot wire	PW
parallel	PAR.	pint	PT
part	PT	pitch	P
particular line	PL	pitch circle	PC
parts per million	PPM	pitch diameter	PD
party	PTY	plan position indicator	PPI
patch	PTCH	Plant Engineering Letter	PEL
patent	PAT.	Plan Engineering Memorandum	PEM
patent pending	PAT PEND	Plant Operation Letter	POL
paths busy	PB	Plant Operation Memorandum	POM
patrol	PTL	plastic	PLSTC
pattern	PATT	plate	PLT (PL)
pay station	P STA	plate leads (electron tubes with filaments in series from - to +)	(P1 (P2 (P3 etc.
peak to peak	PP	platinum	PLAT.
pedestal	PED	plugging-up	PU
peg count	PC	plugging-up line	PUL
peg count (Keyshelf number plate only)	PEG	plywood	PLYWD
pentode	PENT.	pneumatic	PNEU
per cent	PCT	Pneumatic Ticket	
peremptory	PER.	Distributing System	PTDS
peremptory disconnect signal	PER DIS SIG	pneumatic tube	PT
perforate	PERF	point	PT
perforator cabinet	Perf Cab	polar	POL
period	P	pole	P
permanent	PERM	police line	POL L
permanent final busy	PERM FIN B	polish	POL
permanent magnet	PM	polyphase	PYPH
permanent signal	PS	polyvinyl chloride	PVC
permanent signal alarm	PSA or PA	porcelain	PORC
permanent signal holding trunk	PERM SIG HOLD TRK or PSHT	portable	PORT.
permanent signal overflow register	PERM SIG OFL REG or PSOR	portable usage recorder	PUR
permanent signal tone	PST	position	POS
perpendicular	PERP	position center	PC
phantom (derived)	PH	positive	POS or + (1)
phantom (drop end of side circuit)	PH	post-meridian	P.M.
phantom coil, drop side	PH	potential	POT.
phantom coil, line side	PH	potential transformer	POT TRANS or PT
phase	PH	potentiometer	POT.
phase failure	PH FAIL	pound	LB
phase modulation	PM	pounds per cubic foot	PCF
phenol	PHEN	pounds per square foot	PSF
phosphor bronze	PH BRZ	pounds per square inch	PSI
photograph	PHOTO	pounds per square inch absolute	PSIA
physical	PHYS	power	PWR
pickled	P	power circuit	P CKT
pickled & oiled	PO	power control	PWR CONT
pickup	PU	power factor	PF
pickup alarm	PUA	power factor meter	PFM
pickup battery	PUB	power failure	PF
picture	PIX	power failure alarm	PFA
piece	PC	power room	PWR RM
piece part	PP or P	power service transfer	PWR SERV TRNS
pieces	PCS	power terminal strip	PWR TS or PTS
pierces	PRC	practice	PRAC
pilot	PIL	preamplifier	PREAMP
pilot cell	P	pre-empt	PRMT
pilot channel	PC	precedence	PREC
pilot fuse	PF	prefabricated	PREFAB
pilot lamp	PL	preference	PREF
		precision approach radar	PAR

<u>Term</u>	<u>Abbreviation</u>	<u>Term</u>	<u>Abbreviation</u>
preferred	PFD	quadruple	QUAD.
preliminary	PREL	quality	QUAL
Preleminary (rating)	PREL	quantity	QTY
preselector	PRSL	quart	QT
pressure	PRESS.	quarter	QTR
pressure angle	PA	quarter-hard	1/4 H
pretranslator	PRT	quarter-round	1/4 RD
primary	PRI	quartz	QTZ
primary line switch	PRI L SW or PLS	quaternary	QUAT
primary master switch	PRI M SW or PMS	quoting	Q
primary to secondary test panel	PRI SEC TP or PSTP		R
printed wiring board	PWB	rack	RK
printer	PTR	radial	RAD
priority	PRIOR.	radiate	RAD
privacy	PRV	radio	RAD
private automatic exchange	PAX	radio detection & ranging	RADAR
private branch exchange	PBX	radio direction finding	RDF
private line	PL	radio frequency	RF
private line battery	PL BAT	radius	R
→ probe	P	railroad	RR
process	PROC	railway	RY
production	PROD.	raise	R
profile	PF	ratio	R
program	PROG	Raw Material	RM
program transmission	PROG TRANS	reactor	REAC
progression	PROG	reactive factor	RF
projection	PROJ	reactive kilovolt-ampere	KVAR
projection transmission measuring	PROJ TRANS MEAS	reactive volt-ampere	(RKVA)
proof	PRF	reader	VAR
proposed	PROP.	reading	RDR
protector	PROT	ream	RDG
protection	PROT	recall	RM
provision	PROV	recall disconnect	RCL
provisional (rating)	Prov	recapture	RD
public address	PA	receive	RCP
publication	PUB.	received	RCV (REC)
public station	PS	receiver	RCVD
pulse	PULS	receiving	RCVR (REC)
pulse amplitude modulation	PAM	receiving amplifier	RCVG (REC)
pulse code modulation	PCM	receiving directional filter	REC AMP or RA
pulse frequency	PF	receiving leg	RDF
pulse repetition frequency	PRF	receiving leg battery	RL
pulse repetition rate	PRR	receiving value	RLB
pulse time modulation	PTM	receptacle	RV
pulse machine	PM	reciprocate	RECP
pulse position modulation	PPM	reclosing	RECIP
pulses per second	PPS	recognition	RECL
pulse width modulation	PWM	recommend	RECOG
punch	PCH	record	RECM
punch & die	P & D	recorder	REC
punching	PCHG	recording	RCDR (REC)
push button	PB	recording completing	RCDG (REC)
push-pull	P-P	trunk	REC COM TRK or RC TRK
		recording trunk	REC TRK
		rectangle	RECT
		rectifier	RECT
		rectifier unit	RECT
quadrant	QUAD.	red	RD

SECTION 950.702.01

<u>Term</u>	<u>Abbreviation</u>	<u>Term</u>	<u>Abbreviation</u>
reduce	RED.	revolutions per second	RPS
reference	REF	rheostat	RHEO
reference noise	RN	right	RT
reflectometer	REFLM	right hand	RH
reflector	REFL	right lower	RL
regenerative	REGEN	right upper	RU
register	REG	ring	R
register control	RC	ringback	RB
regular	REG	ringdown	RD
regulate	REG	ringer, ringing	RING.
relative humidity	RH	ringer test	RING TST
relay	REL	rivet	RIV
relay call indicator	RCI	road	RD
relay rack ground	RRG	Rockwell Hardness	RH
release	RLS (REL)	roller bearing	RB
release (for key-top engraving only)	REL	room	RM
release alarm	RA	root diameter	RD
→ relief	REL	root mean square	RMS
remote	REM	root sum square	RSS
remote control	REM CONT or RC	rotary connector	ROT CONN
remove	REM	rotary line switch	ROT LS
renew	REN	rotary out trunk switch	ROT OT SW or ROTS
reorder	REODR, RO	rough	RGH
repair	REP	rough grind finish	RGF
Repair Clerk Desk	REP CL D or RCD	round	RD
Repair Service Desk	REP SERV D or RSD	round head	RH
repeat	REP	route	ROUT.
repeated supervision	RS	route switch	RS
repeating coil	RC	route transfer	R TRNS
repeller	RPLR	routine	ROUT.
reperforator	REPERF	routine test	ROUT T
replace	REPL	rubber	RUB.
report	REPO	rural	RUR
reproduce	REPRO		
request	REQ		S
require	REQ		
required	REQD		
→ requirement	REQT (RQ)	safety	SAF
requisition	REQ	sand blast	SD BL
reserve	RSV (RES)	sanitary	SAN
reset	RST	saturate	SAT.
residual	RESID	Saybolt Seconds Furol	SSF
resistance (see resistor)		Saybolt Seconds Universal	SSU
resistor	RES	scanner	SCAN.
resistance-capacitance	RC	schedule	SCHED
resonant	RES	schematic	SCHEM
respective	RESP	schematic drawing	SD
restore	RST	scleroscope	SCLER
retainer	RET.	scleroscope hardness	SH
retard	RET.	screen	SCRN
retardation coil (see inductor)		screw	SCR
return	RET.	Screw-thread Standards:	
reverse	REV		
reverse current	REV CUR	American National 8, 12, or 16 Pitch Thread	N
reverting	REV	American National Coarse Thread Series	NC
reverting busyback	RBB	American National Extra Fine Thread Series	NEF
reverting busy test	RET	American National Fine Thread Series	NF
reverting call selector	RC SEL		
reverting flash back	RFB		
reverting pulsing	RP		
revise	REV		
revolution	REV		
revolutions per minute	RPM		

<u>Term</u>	<u>Abbreviation</u>	<u>Term</u>	<u>Abbreviation</u>
American National Hose Coupling and Fire Hose Coupling Thread	NH	segment	SEG
American National Intermediate Internal Straight Pipe Thread (Dry Seal)	NPSI	selector, selected	SEL
American National Internal Straight Pipe Thread for Dry Seal Pressure-tight Joints	NPSF	selective routing	SEL RTE
American National Left-hand Thread	N LH	selector test	SEL TST
American National Special Thread	NS	self-tapping	ST
American National Straight Pipe Thread	NPS	selsyn	SLN (SELS)
American National Straight Pipe Thread for Hose Couplings and Nipples	NPSH	selsyn receiver	SLN REC
American National Straight Pipe Thread for Locknuts and Locknut Pipe Threads	NPSL	selsyn transmitter	SLN TRS
American National Straight Pipe Thread in Pipe Couplings	NPSC	→ semiconductor	SEMICOND
American National Straight Pipe Thread for Mechanical Joints	NPSM	semifinished	SF
American National Taper Pipe Thread	NPT	semimechanical	SM
American National Taper Pipe Thread for Dry Seal Pressure-tight Joints	NPTF	sender	SDR
American National Taper Pipe Thread for Railing Fittings	NPTR	sender cutoff	SCO
American Standard Unified Coarse Thread	UNC	sender make busy	SDR MB or SMB
American Standard Unified Fine Thread	UNF	sender monitor	SDR MON
American Standard Unified Extra Fine Thread	UNEF	sender ringdown	SDR RD
American Standard Unified Special Thread	UNS	sender selector	SDR SEL or SS
American Standard Unified 12 and 16 Pitch Thread	UN (16UN)	sender test	SDR TST or S TST
sealed	SLD	sending	SDG
sealed test terminal	SLD TT or STT	sending battery	SB
seamless	SMLS	sending leg	SL
secant	SEC	sending leg battery	SLB
second (number)	2ND	senior	SR
second	SEC	sensitivity	SENS
secondary	SEC	separate	SEP
secondary line switch	SEC L SW or SLS	September	Sep
secondary master switch	SEC M SW or SMS	sequence	SEQ
second selector	2ND SEL	sequence switch	SEQ SW
secretary	SECR	sequentially operated tele-	
section	SECT.	typewriter universal selector	SOTUS
		serial	SER
		series	SER
		service	SERV
		service observing	SER OBS or SO
		→ service observing board	SERV OBS BD, SO BD, or SOB
		service observing desk	SERV OBS D or SOD
		service observing trunk	SERV OBS TRK or SOT
		service testing	ST
		shaft	SFT
		sheathing	SHTHG
		sheet	SH
		shellac	SHL
		shield	SHLD
		shift	SH
		shipment	SHPT
		short	SH
		short circuit	SH CKT
		short haul	SH
		short wave	SW
		shoulder	SHLD
		shunt	SH
		side band	SB
		side band input	SB IN
		side band output	SB OUT
		signal	SIG
		signal ground	SG
		signal-to-noise ratio	SNR
		silence	SIL
		silico-manganese steel	SMS

<u>Term</u>	<u>Abbreviation</u>	<u>Term</u>	<u>Abbreviation</u>
silver	SLVR	speech	SP
similar	SIM	spherical	SPHER
simplex	SX	spherical candle power	SCP
simultaneous	SIM	spindle	SPDL
simultaneous ringing	SIM R	split phase	SP PH
sine	SIN	splitting	SPLIT.
singing	SNG	spot faced	SF
single	SGL	spring	SPG
→ single cord	S CD	square	SQ
single frequency	SF	squirrel cage	SQ CG
single line	SL	stability	STAB.
single phase	S PH or 1 PH	stainless	STN
single pole	SP	stainless steel	SST
single sideband	SSB	stamp	STP
siren	SN	Standard (rating)	STD
sketch	SK	standard	STD
skinned, skinner	SK	→ standby	STBY
skip	SK	standing wave ratio	SWR
skip office	SK O	start	ST
slate	SL	start circuit alarm	ST CKT A
slave	S	starting	STG
sleeve	SLV	starting box	START BOX
slightly chamfered	SC	station	STA
slightly rounded	SR	stationary	STA
slotted	SLOT.	station line	STA L
slow acting	SA	statuary	STAT
slow operate	SO	status	STAT
slow release	SR	steel	STL
small	SM	steering	STEER., STG
soak	SK	steering relay	STG REL
Society of Automotive Engineers	SAE	step	STP
socket	SOC (SKT)	step-by-step	SXS
solder	SLD	stere	S
solderless wrapped connection	SWC	stock	STK
solenoid	SOL.	stock list	SL
sound	SND	stop	SP
sounder	SDR	storage	STG
source	SCE	storing	STR
south	S	straddle	S
space	SP	straddle answer and disconnect	SAAD
spacer	SPCR	straddle answer or disconnect	SAOD
spacing	SPCG	straddle detail	S DET
spare	SP	straddle message unit	SMU
spare amplifier	SA	straight	STR
spare amplifier switching	SA SW	straightforward	STFD
spare line selection switching	SP LS SW	street	ST
spark	SP	strength	STR
speaker	SPKR	strip	STR (STP)
special	SPL	stroboscope	STROB
Special (rating)	SPL	structural	STR
special service operator	SPL SERV OPR	stuck	STK
special service operator position	SPL SERV OPR POS or SSOP	stuck coin trunk	STK C TRK
special service operator trunk	SPL SERV OPR TRK or SSOT	student	STU
specific	SP	subgroup	SGRP
specification	SPEC	subscriber	SUB
specific gravity	SP GR	subscriber order circuit	SOC
specific heat	SP HT	subscriber switchboard or position	A
specified	SPEC	substation	SUBSTA
specimen	SPEC	substitute	SUB
		suburban	SUBUR
		succeeding	SUCC
		summary	SUM.
		summarizer	SUM.
		superexpress order circuit	SXOC

<u>Term</u>	<u>Abbreviation</u>	<u>Term</u>	<u>Abbreviation</u>
super group	SG	talking battery	TLK BAT or TB (TALK BAT)
super-high frequency	SHF		
superimposed	SUP.	talking ground	TLK GRD or TG
superimposed negative	SUP-, S-, or $\pm - (1)$	tandem	TDM
superimposed positive	SUP+, S+, or $\pm + (1)$	tangent	TAN
superintendent	SUPT	tank	TK
supervise	SUPV	taper	TPR
supplement	SUPP	tarpaulin	TARP
supplementary	SUPL	team, teamwork	TM
supplier	SPLR	tea wagon	T-wagon
supply	SUP.	technical	TECH
support	SUP.	tee	T
suppressor	SPR	teeth per inch	TPI
surface	SUR	telegraph	TLG
surface wiring	SW	telegraph ground	TG
sweep	SWP	Telegraph Testboard	TELEG TST BD
switch, switching	SW	telemeter	TLM
switch and horizontal	SW & HOR or SH	telephone	TEL
switch and vertical	SW & VERT or SV	telephone company	Telco
switchboard	SWBD	telephone interference factor	TIF
switchboard ground	SG	telephotograph	TPHO
switchgear	SWGR	teleprinter	TPTR
switchman	SWMN	teletypewriter	TTY
switchroom	SW RM	Teletypewriter Exchange	TWX
Switch Types:		Teletypewriter Switchboard	TTY SWBD
Single-pole Switch	SP SW	Teletypewriter Switchboard (on number plates only)	TTY
Single-pole, Single-throw Switch	SPST SW	television	TV
Single-pole, Double-throw Switch	SPDT SW	Television Operating Center	TOC
Double-pole Switch	DP SW	television order circuit	TV O CKT or TVOC
Double-pole, Single-throw Switch	DPST SW	telltale	TT
Double-pole, Double-throw Switch	DPDT SW	temperature	TEMP
Triple-pole Switch	3P SW	tempered	TEMP
Triple-pole, Single-throw Switch	3PST SW	template	TEMP
Triple-pole, Double-throw Switch	3PDT SW	Temporary Information Memorandum	TIM
4-pole Switch	4P SW	tens	T
4-pole, Single-throw Switch	4PST SW	tensile strength	TS
4-pole, Double-throw Switch	4PDT SW	tension	TENS.
symbol	SYM	tentative	TENT.
symmetrical	SYM	terminal	TERM.
synchronous	SYN	terminal board	TB
synthetic	SYN	terminal per line	TPL
system	SYS	terminal per station	TPS
		terminal punching	TP
		terminal strip	TS
		termination	TER
		terrain-clearance indicator	TCI
		tertiary	TER
		test	TST
		Test & Control Board	TST & CONT BD
		test & plugging up	T & PU
		test & talk trunk	TST & TLK
			TRK or T & TT
		test battery supply	TBS
		Testboard	T BD, TB
		testboard telegraph	TB TG
		test connector	T CONN
		test cord	T CD
		test distributor	TD
		test line	TST L or TL
tabulate	TAB.		
talk	TLK		

<u>Term</u>	<u>Abbreviation</u>	<u>Term</u>	<u>Abbreviation</u>
test pulse machine	TPM	tone test	T TST or TT.
test relay	TR	tongue & groove	T & G
test set	T SET	tool	TL
that is	ie	total	TOT.
theoretical	THEO	total indicator reading	TIR
thermal	THRM	tower	TWR
thermistor	TH	trace	TR
thermocouple	TC	tracer	TCR
thermometer	THERM	traffic	TR
thermostat	THERMO	traffic display board	TR D BD
thick	THK	traffic register	TR
third selector	3RD SEL	traffic usage recorder	TUR
thousand	M (TH)	trailing edge	TE
thousands	TH (M)	training	TNG, TR
thousand circular mils	MCM	transceiver	XCVR
thousand foot-pounds	KIP-FT	transducer	XDCR
thousand pound	KIP	transfer	TRFR, TR (TRANS, TRNS)
thread	THD	transformer	TRANS
threads per inch	TPI	transistor	XSTR
three-digit	3DIG	translation or translator	TRNSL
three-phase	3PH	transmission	XMSN (TRANS)
three-pole	3P	Transmission Engineering Prospectus	TEP
three-quarter hard	3/4 H	transmission measuring	TRANS M or TM
three-wire	3W	transmission testboard	TRANS TST BD
through	THRU	transmission unit	TU
through position	RX	transmit	XMT
ticket	TKT	transmit receive	TR
Ticket Distributing Desk	TD DSK	transmitter	XMTR (TRS)
Ticket Filing & Rate Quoting Desk	TF & RQD	transmitting	XMTG (TRSG)
ticket pilot	TP	transmitting amplifier	XMTG A, TRSG A, or TA
ticketer control	TKTR CONT	transmitting directional filter	TDF
tie cable	T CA	transparent	TRANS
tie line	TL	transportation	TRANS
tie trunk	T TRK	transverse	TRANSV
tight wrapped	TW	transverse electric	TE
timber	TMBR	transverse electro magnetic	TEM
time	T	transverse magnetic	TM
timed	TMD	transverter	TV
time alarm	TA	transverter connector	TVC
timed assignment speech in- terpolation	TASI	traveling wave	TW
time delay	TD	traveling wave tube	TWT
time measure	TM	treatment	TREAT., TR
time of day	TD	tributary	TRIB
timer	TMR	trickle	TKL
timing	TMG	triggering	TRG
timing circuit	TMG CKT	trimmer	TRIM.
timing failure	TMG FAIL	triode	TRI
tinned	TD	trip, tripping	TRP
tip, ring & sleeve	TRS	trip magnet	TM
tobin bronze	TOB BRZ	triple pole	3P
toggle	TGL	triple pole double throw	3PDT
tolerance	TOL	triple pole single throw	3PST
toll	T	→ trolly	TROL
toll connecting	TC	→ trouble	TBL
toll diversion	T DIV	Trouble Desk	TBL D
toll preceding selector	TP SEL	trouble observation & test trunk	TBL OBS & T TRK
toll selector	T SEL	trouble test (tone)	TBL T
toll subscriber line	T SUB L or TLX	trouble tracing	TBL TR
toll switching	T SW	trunk	TRK
toll tandem	T TDM		
toll transmission selector	TT SEL		
ton	T		
tone identification	T ID		