WIRE SERVICE TRANSMISSION GUIDELINES

THIS PUBLICATION REPLACES ANPA SPECIAL REPORT NUMBER 84-2.

1. GENERAL

The ANPA Wire Service Guidelines for 1200 Baud transmission were first published in ANPA/Research Institute Bulletin 1312, Feb. 1, 1979.

This publication is a reprint of Bulletin 1312 with additional descriptive material and changes that were adopted over the years. Actual use of certain areas of the guidelines does vary between the wire carriers due to hardware, software or system limitations. Development of software to receive a particular wire service should be done in conjunction with the wire service vendor to insure accurate conformance to the vendor's system.

An ongoing ANPA Wire Service Guideline Committee conducts several meetings per year to maintain liaison among the various news service carriers. The committee consists of volunteer representatives of news service carriers, equipment vendors and newspaper users of the service. Representatives of each group review performance information and recommendations that may improve news services and the methods by which newspapers are able to most effectively use those news services.

2. TRANSMISSION CONTENT

The elements for transmission consist of the message header, message text and the post-text information. The contents of the message header fields and the appropriate sequence of those fields are shown following the descriptive material.

3. MESSAGE HEADER OBJECTIVE

The material that precedes the text contains fields that are designed to provide the following information:
- o   Level of Service
- o   Identity number
- o   Selector code identifier
- o   Priority of the message
- o   Category of text information
- o   Text typesetting format
- o   Keyword for specific and unique identity
- o   Version and reference fields to assist in linking the text of a message to a previous or subsequent message.
- o   The month and day the story was filed.

A brief description of the various header fields follows (A through V). It is important to understand that the news services do not assign the Service Level Designators in a uniform manner. Receiver's software designed to perform sorting of copy in this field is discouraged because of the diversity in application.

It is recommended that any software effort designed for receiving news service material be coordinated directly with the news service carrier.

Please note that the Associated Press text delimits paragraphs with CR (Carriage Return), LF (Line Feed), HT (Horizontal Tab), followed by 3 SPs (space codes). UPI uses QL (Quad Left), CR, LF, HT, followed by 3 SPs.

4. PRINTING TRADE TERMS

The design of the 1200 baud guidelines was dictated by the systems that were in place in the newspaper business a decade ago. Much of the text of the guidelines assumes knowledge of graphic arts and newspaper equipment terminology from that era.

A. START-OF-MESSAGE HEADER

All transmissions will start with the following codes: SYN (Synchronous Idle), SYN and SOH (Start of Header).

B. SERVICE LEVEL DESIGNATOR

The wire designator code will be an upper- or lower-case single alpha character that identifies the basic nature of the service. There is great diversity in the way that the various news services use this area; however, the following five lower case alpha characters are used uniformly.

(The use of selector code, category code, cycle identifiers and keyword provide the most effective data for sorting and routing copy.)

a & b—Nationwide news transmission
c—Nationwide transmission of selected standing features
f—Nationwide transmission of news designed primarily for financial pages
s—Nationwide sports transmission

Documentation that lists the meaning and use of other upper and lower case alpha characters is maintained and available from the wire carriers.

C. STORY NUMBER

The story number will be four single digits. The order of sequencing such numbers will be at the discretion of each wire service.

D. FORMAT/VISUAL AREA

UPI currently uses this area for special output device information. This 15-character field of upper- and lower-case alpha or numeric characters may also provide for the possibility of further enhancement of the guidelines at some future date. (AP does not use this field).

E. END-OF-FIELD DELIMITER

The Tab Field Indicator (TFI) is provided here as the delimiter which offers use of Item F as an optional area.

F. SELECTOR CODE

This is a five-character field of assigned lower-case alpha characters and hyphens that provides fixed and unique identity of a transmission. Documentation that lists the codes and identifies the meaning is maintained by the wire carriers. (Expansion of this area will occur at some future date by adoption of upper-case and numeric character combinations. Implementation of this expansion will be through mutual agreement with sufficient notice to vendors, users and wire service carriers).

G. END-OF-FIELD DELIMITER

This is designated by a Line Feed. (LF).

H. PRIORITY OF STORY

The priority of a transmission is designated by any of the following single alpha characters.

Spot New priorities are F, B, U, R, and D. Release at Will priority is W. Advance News priorities are A and S.

SPOT NEWS PRIORITIES

f—Flash. Highest priority of wire communications (seldom used).

b—Bulletin. A priority level of prime spot news, kill notes and release information regarding copy previously transmitted.

u—Urgent. Just under prime spot news but not to be used on routine spot news copy.

r—Rush. Skedded spot copy and late breaking major stories.

d—Daily. All other spot news.

RELEASE AT WILL PRIORITY

w—Copy which has publishing value during and after the current transmission cycle.

ADVANCE NEWS PRIORITIES

Advance priorities should be assigned to stories sent for release at some future date after the current cycle (AM or PM).

a—Weekday advance. Copy that is transmitted for use outside of the current cycle of transmission.

s—Weekend advance. For weekend copy.

NOTE: Items to be held for release during the current cycle will move with an active, not advance, priority.

I. END-OF-FIELD DELIMITER

Designated by a Single Space (SP).

J. CATEGORY OF STORY

The category code of the story may be any of the following single alpha characters:

a—Domestic, non-Washington, general news item.
b—Special Events. National tabular election items.
c—Standing, general features.
d—Food (diet).
e—Entertainment, television and culture.
f—Financial pages.
i—International news, including United Nations dateline and undated roundups keyed to foreign events.
k—Commentary. Material designed primarily for editorial and op-ed (opposite-editorial) pages.

l—Lifestyle.
n—State and regional (used by AP).
o—Weather forecast material.
p—National political.
q—Individual sports scores (one-line entry).
r—Racing results and entries.
s—Sports, including packages of sports scores.
t—Travel.
u—State and regional (used by UPI).
v—Advisories that may affect more than one category.
w—Washington-dateline general news.
x, y & z—reserved for wire services.

NOTE: Wire services may use categories to call to the attention of certain editors items of probable interest moved in another category. News services need not use every assigned category code, but when used they should be used only as defined herein.

K. FORMAT IDENTIFIER

This will be two sets of specific commands generated by the sender and not visible to the user on a video display terminal screen. This designates to the computer the format in which the material is being transmitted. The first command will be DC4 (Device Control) for agate (5 1/2 point type) or DC3 for body type (8 point type). The second will be either DC2, if the item contains any tabular lines, or DC1 for text.

L. END-OF-FIELD DELIMITER

Designated by a Single Space (SP).

M. KEYWORD

This field provides a maximum of 24 upper- or lower-case characters to identify the following:

1. Story cycle. The first three characters of this field will be am-, pm- or bc- (both cycles), indicating the publishing cycle for which it is intended.

2. The main story name by use of a unique, pertinent Keyword or key phrase, consisting of words connected by a hyphen without space.

3. The side story or stories related to a main story.

To make possible the automatic linking of the different elements of a story in some newspaper systems, the Keyword starting with cycle will appear in exactly the same form in all subsequent transmissions amending the original story. The Keyword field may contain alpha characters in upper- and/or lower-case, numerics and punctuation, but without space bands. Examples of the Keyword line are:

main story...........................am-election
sidebar ....am-election Ohio
another sidebar....................am-election-Senate

The Keyword will appear in the same form on all subsequent transmissions amending the original.

N. END-OF-FIELD DELIMITER

This is designated by a Single Space (SP).

O. VERSION FIELD

The information in this field is designed to enable newspaper systems to distinguish new leads, inserts, corrections and adds, so that the process of automatically

assembling separately transmitted portions of a story is not limited to putting the latest material at the bottom of the file.

Many transmissions will not require any entry in this field. If no entry is required, an additional space will be transmitted instead.

Valid Version Field entries are:

bjt—AP budget items. (Not repeated when 1stld, 2ndld, etc. are filled).

sked—UPI scheduled items. (Not repeated when 1stld, 2ndld, etc. are filed).

1stld, 10thld, etc.—For leads, as necessary.

adv01 through adv31—For advances, with the two digits representing the release date and with no space between the alpha and numeric characters. Other two-digit numerics may occasionally be used instead, such as adv00 to indicate copy for which there is no specific release date.

kill—For a transmission advising that a kill is necessary on a story filed earlier under the same Keyword as the one that appears on this item.

advisory—For a transmission providing guidance to editors (such as the time a new lead is expected) on a story filed earlier under the same Keyword as the one that appears on this item.

withhold—For a transmission advising that any use of a story filed earlier under the same Keyword as the one that appears on this item is being removed from the news report. This designation is generally used for stories on which a formal kill note is not necessary.

2takes, 10takes (etc.)—When, at the time the lead is filed, the news service knows how may takes will move.

1stadd, 10thadd (etc.)—As appropriate

insert—As appropriate

sub—For substituted paragraphs that provide updated material.

correction—As appropriate.

writethru—For stories that combine new material with information from previous transmissions to make a new, complete story.

pickup2ndgraf, 10thgraf (etc.)—To indicate the highest paragraph of a previous transmission that will stand when this item is merged with it.

Some stories will require up to three of the Version Field entries. If so, the entries will be separated by hyphens. The sequence in which multiple entries will appear is shown by Columns A and B which follow. Entries in Column A, if necessary, will always appear first in the Version Field. Those in Column B will appear first, second, or third, depending on the circumstances.

Column A	Column B
bjt	**2 takes (etc.)**
sked	**1stadd (etc.)**
1stld (etc.)	**insert**
adv01 (etc.)	**sub**
kill	**correction**
advisory	**writethru**
withhold	**pickup2ndgraf (etc.)**
elimination	

Invalid entries may occasionally appear in this field. If so, they should be treated as if no entry had been filed.

P. END-OF-FIELD DELIMITER
Designated by a Single Space (SP).

Q. REFERENCE FIELD
This segment will provide, at the news service's option, a reference to a relevant previous transmission number on the story. When available, it can be used to assist the linkup process undertaken on the basis of information in the Version Field.

In most cases, this field, when used, will consist of an alpha character and four numeric characters.

Many transmissions will not require any entry in this field. If no entry is required, an additional space will be transmitted instead.

Examples of Keyword, Version Field and Reference Field:

am-election
am-election 1stadd
am-election 1stld a8010
am-election 1stld-1stadd-pickup9thgraf
pm-election bjt-2takes
pm-election bjt-insert a5280
pm-election 1stld-pickup4thgraf
pm-election 1stld-1stadd a5780
pm-election 1stld-correction
bc-feature adv01
bc-feature adv01-1stadd

NOTE: Keyword, Version Field and Reference Field characters may appear as either capital or lower case.

R. END-OF-FIELD DELIMITER
Designated by a Single Space (SP).

S. DATE
This will be one or two numerics, a hyphen and one or two numerics. It indicates filing date.

T. END-OF-FIELD DELIMITER
Designated by a Single Space (SP).

U. WORD COUNT
For UPI this is a computer-generated four-digit estimate of the number of words in the text. The number is determined by taking the total number of characters of the text (including nonprinting characters) and dividing by the number six (6).

V. END-OF-FIELD-DELIMITER
Designated by a Carriage Return (CR) and a Line Feed (LF).

W. START OF TEXT
Text begins by inserting a Start-of-Text (STX) command.

X. TEXT
This is the message content or product of the transmission.

Y. END OF TEXT
The text is terminated by an End-of-Text (ETX) command.

Z. TIME AND DATE

This is the time and date the story is transmitted.

Time and date may be preceded by up to four alpha characters that identify the originator or wire carrier.

AA. END OF TRANSMISSION

The end of transmission is signaled by inserting an End-of-Transmission (EOT) command.

ANPA AND ASCII CHARACTER SETS WITH OCTAL/HEXADECIMAL EQUIVALENTS

ANPA	OCTAL	HEX	ASC II
NUL	000	00	NUL
SOH	001	01	SOH
STX	002	02	STX
ETX	003	03	ETX
EOT	004	04	EOT
ENQ	005	05	ENQ
ACK	006	06	ACK
BEL	007	07	BEL
TLI	010	08	BS
HT	011	09	HT
LF	012	0A	LF
SS1	013	0B	VT
FF	014	0C	FF
CR	015	0D	CR
SO	016	0E	SO
SI	017	0F	SI
TTS SPACE BAND	020	10	DLE
DC1	021	11	DC1
DC2	022	12	DC2
DC3	023	13	DC3
DC4	024	14	DC4
NAK	025	15	NAK
SYN	026	16	SYN
ETB	027	17	ETB
CAN	030	18	CAN
EM SPACE	031	19	EM
SUB	032	1A	SUB
ESC	033	1B	ESC
CFS	034	1C	FS
THIN SPACE	035	1D	GS
EN SPACE	036	1E	RS
TFI	037	1F	US
SP	040	20	SP
!	041	21	!
"(DOUBLE QUOTES)	042	22	"
. (EN LEADER)	043	23	#
$	044	24	$
%	045	25	%
&	046	26	&
'(APOSTROPHE/CLOSED QUOTE)	047	27	'
(	050	28	(
)	051	29	)
. (EM LEADER)	052	2A	*
+ PLUS	053	2B	+
. (COMMA)	054	2C	,
- (HYPHEN)	055	2D	-
. (PERIOD)	056	2E	.
/	057	2F	/
0	060	30	0
1	061	31	1
2	062	32	2
3	063	33	3
4	064	34	4
5	065	35	5
6	066	36	6
7	067	37	7
8	070	38	8
9	071	39	9
:	072	3A	:
;	073	3B	;
QL (QUAD LEFT)	074	3C	<
QC (QUAD CENTER)	075	3D	=
QR (QUAD RIGHT)	076	3E	>
?	077	3F	?

ANPA	OCTAL	HEX	ASC II				
				' (OPEN QUOTE)	140	60	'
LOWER RAIL	100	40	@	a	141	61	a
A	101	41	A	b	142	62	b
B	102	42	B	c	143	63	c
C	103	43	C	d	144	64	d
D	104	44	D	e	145	65	e
E	105	45	E	f	146	66	f
F	106	46	F	g	147	67	g
G	107	47	G	h	150	68	h
H	110	48	H	i	151	69	i
I	111	49	I	j	152	6A	j
J	112	4A	J	k	153	6B	k
K	113	4B	K	l	154	6C	l
L	114	4C	L	m	155	6D	m
M	115	4D	M	n	156	6E	n
N	116	4E	N	o	157	6F	o
O	117	4F	O	p	160	70	p
P	120	50	P	q	161	71	q
Q	121	51	Q	r	162	72	r
R	122	52	R	s	163	73	s
S	123	53	S	t	164	74	t
T	124	54	T	u	165	75	u
U	125	55	U	v	166	76	v
V	126	56	V	w	167	77	w
W	127	57	W	x	170	78	x
X	130	58	X	y	171	79	y
Y	131	59	Y	z	172	7A	z
Z	132	5A	Z	1/2	173	7B	{
1/8	133	5B	[	5/8	174	7C	|
1/4	134	5C	\	3/4	175	7D	}
3/8	135	5D	]	7/8	176	7E	~
UPPER RAIL	136	5E	^	DEL	177	7F	DEL
(EM DASH)	137	5F	_				

NEWSPAPER CHARACTER SET

				b7	0	0	0	0	1	1	1	1
				b6	0	0	1	1	0	0	1	1
				b5	0	1	0	1	0	1	0	1
b4	b3	b2	b1		0	1	2	3	4	5	6	7
0	0	0	0	0	NUL	TTS SP BAND	SP	0	LOWER RAIL	P	' (OPEN QUOTE)	p
0	0	0	1	1	SOH	DC1	!	1	A	Q	a	q
0	0	1	0	2	STX	DC2	" (DOUBLE QUOTES)	2	B	R	b	r
0	0	1	1	3	ETX	DC3	EN LEADER	3	C	S	c	s
0	1	0	0	4	EOT	DC4	$	4	D	T	d	t
0	1	0	1	5	ENQ	NAK	%	5	E	U	e	u
0	1	1	0	6	ACK	SYN	&	6	F	V	f	v
0	1	1	1	7	BEL	ETB	' (CLOSE QUOTE)	7	G	W	g	w
1	0	0	0	8	TLI	CAN	(	8	H	X	h	x
1	0	0	1	9	HT	EM SPACE	)	9	I	Y	i	y
1	0	1	0	10	LF	SUB	EM LEADER	:	J	Z	j	z
1	0	1	1	11	SS1	ESC	+	;	K	1/8	k	1/2
1	1	0	0	12	FF	CFS	,	QL (QUAD LEFT)	L	1/4	l	5/8
1	1	0	1	13	CR	THIN SPACE	-	QC (QUAD CENTER)	M	3/8	m	3/4
1	1	1	0	14	SO	EN SPACE	.	QR (QUAD RIGHT)	N	UPPER RAIL	n	7/8
1	1	1	1	15	SI	TFI	/	?	O	EM DASH	o	DEL

FUNCTION	HIGH SPEED WIRE SERVICE TRANSMISSION GUIDELINES

A START OF MESSAGE HEADER — SYN / SYN / SOH

B SERVICE LEVEL DESIGNATOR — SINGLE ALPHA CHARACTER
- a&b—Nationwide news transmission
- c—Nationwide selected standing features
- f—Nationwide financial news
- s—Nationwide sports

C STORY NUMBER — NUMERIC / NUMERIC / NUMERIC / NUMERIC

D (15 character Field Max.) — Block of characters for UPI, used to activate certain typesetting equipment in the field.

E END-OF-FIELD DELIMITER — TFI (Tab Field Indicator)

F SELECTOR CODE (optional field) — Alpha or hyphen character / Alpha or hyphen character / Alpha or hyphen character / Alpha or hyphen character / Alpha or hyphen character

G END-OF-FIELD DELIMITER — Line Feed (LF)

H PRIORITY OF STORY — SINGLE ALPHA CHARACTER

Spot News
- f—Flash, highest priority (seldom used)
- b—Bulletin, prime spot news, kill notes and releases
- u—Urgent, just under prime spot news
- r—Rush, major spot news
- d—Daily, all other spot news

Release at Will
- w—Copy which has publishing value during and after the current transmission cycle

Advance News
- a—weekday advance, for use outside current cycle
- s—Weekend advance. For weekend copy.

I END-OF-FIELD DELIMITER — SPACE (SP)

J CATEGORY INDICATOR — SINGLE ALPHA CHARACTER
- a—Domestic, non-Washington, general news items
- b—Special events, national tabular election items
- c—Standing, general features
- d—Food (diet)
- e—Entertainment, televison and culture
- f—Financial, for financial pages
- i—International news, including United Nations dateline and updated roundings keyed to foreign events
- k—Commentary, designed for editorial and op-ed (opposite editorial pages)
- l—Lifestyle
- n—State and regional (AP)
- o—Weather forecast material
- p—National political
- q—Individual sports scores (one line enteries)
- r—Racing results and entries
- s—Sports, including packages of sports scores
- t—Travel
- u—State and regional (UPI)
- v—Advisories that affect more than one category
- w—Washington datelined general news
- x,y,z—Reserved by wire services

K FORMAT IDENTIFIER — DC4—Agate / DC3—Body type / DC2—Tabular / DC1—Text

L END-OF-FIELD DELIMITER — SPACE (SP)

M KEYWORD — Starts with cycle identifier: am- or pm- or bc-
Up to 24 Alpha-Numeric characters without spaces. Multiple words to be separated by the hyphen (-) character.
(No spaces to appear within this field.)

N END-OF-FIELD DELIMITER — SPACE (SP)

O VERSION FIELD (optional) — Up to 3 of the following may appear and will be separated by a hyphen (-)
- bjt—AP budget items
- sked—UPI skedded items
- 1stld, 2ndld, 10thld, etc.—For leads as necessary
- adv01 thru adv31—For advances with the two digits representing the release date
- kill—Advises that a kill is necessary to a story filed earlier under the same keyword as the one in this transmission
- advisory—For guidance to editors on a story filed earlier under the same keyword as this transmission
- withhold—Denotes that a story filed earlier under the same keyword as this item should be delayed until further guidance is provided
- elimination—Denotes that a story filed earlier under the same keyword as this item is being removed from the news report
- 2takes, 10takes, etc.—As appropriate
- insert—Material to be inserted as identified
- sub—For substituted material, sentence or paragraph(s)
- correction—To material as identified
- writethru—For stories that combine new material with information from previous transmissions to make a new complete story
- pickup2ndgraf, 10thgraf, etc.—Indicates the highest paragraph of a previous transmission that will stand when this item is merged with it

P END-OF-FIELD DELIMITER — SPACE (SP)

Q REFERENCE FIELD (optional) — When used, this field will consist of an alpha character and four numerical characters
- a0093—This segment will provide a reference to a previous item number. When available, it can be used to assist the linkup process on the basis of information in the version field.
- In some AP transmissions DataRecap will be used to indicate that this is a complete transmission of a story hat eliminates the need to refer back to any previously transmitted copy

R END-OF-FIELD DELIMITER — SPACE (SP)

S FILING DATE — 00-00—One or two numerics (hyphen) one or two numerics, indicates month and day story is filed.

T END-OF-FIELD DELIMITER — SPACE (SP)

U TEXT WORD COUNT — 0000—four numerics to indicate the actual word count or an estimate, which can be determined by using the number of characters of story text, divided by the number 6.

V END-OF-FIELD DELIMITER — CARRIAGE RETURN (CR), LINE FEED (LF)

W START OF TEXT — STX

X TEXT — TEXT

Y END OF TEXT — ETX

Z TIME AND DATE OF TRANSMISSION — TIME AND DATE

AA END OF TRANSMISSION — EOT

SIDE-BY-SIDE BOX SCORE

Headings on side-by-side box scores will be treated in the same manner as the tabular box score material. The appropriate side-by-side box score functions (TLI, TFI and CFS), will appear along with the headings. When either column of a side-by-side box score has more lines than the other side, a dummy line will be transmitted. The dummy line will contain the appropriate function codes, fixed spacing and variable spacing.

SEATTLE	ab	r	h	bi	TEXAS	ab	r	h	bi
Simpson rf	4	1	2	0	Wright ct	4	0	1	0
Castillo 3b	3	0	1	0	O'Brien lf	4	0	0	0
Bochte dh	2	0	0	0	Bell 3b	4	0	1	0
Rivering 1b	2	0	1	1	Parrish rf	4	0	2	0
Sweet c	4	0	0	0	Capra pr	0	0	0	0
Hendersn cf	3	0	1	0	Hostetler 1b	4	0	0	0
Brown lf	3	0	0	0	Bogener dh	2	0	0	0
TCruz ss	3	0	1	0	BJohnson c	3	0	0	0
JCruz 2b	3	0	0	0	Dents ss	3	0	0	0
					Richardt 2b	3	0	0	0
Totals	29	1	6	1	Totals	30	0	4	0

SEATTLE					TEXAS				
	ab	r	h	bi		ab	r	h	bi
Simpson rf	4	1	2	0	Wright cf	4	0	1	0
Castillo 3b	3	0	1	0	O'Brien lf	4	0	0	0
Bochte dh	2	0	0	0	Bell 3b	4	0	1	0
Rivering 1b	2	0	1	1	Parrish rf	4	0	2	0
Sweet c	4	0	0	0	Capra pr	0	0	0	0
Hendersn cf	3	0	1	0	Hostetler 1b	4	0	0	0
Brown lf	3	0	0	0	Bogener dh	2	0	0	0
TCruz ss	3	0	1	0	BJohnson c	3	0	0	0
JCruz 2b	3	0	0	0	Dent ss	3	0	0	0
					Richardt 2b	3	0	0	0
$^T{}_{L_I}$$^T{}_{L_I}$$^T{}_{L_I}$Totals	$^T{}_{F_I}$29	1	6	1$^C{}_{F_S}$	Totals	$^T{}_{F_I}$30	0	4	0 $^C{}_R$$^L{}_F$

SINGLE-COLUMN TABULATED LINES/EXAMPLE NOON STOCKS

Noon-Stocks
New York (Ap)—Dow Jones noon stock averages:

30 Industrials	816.59	-2.21
20 Transportation	163.02	-0.82
15 Utilities	80.90	-0.09
65 Stocks...	250.16	-0.67
$^T{}_{L_I}$ 30 Industries	$^T{}_{F_I}$816.59	-2.21 $^C{}_R$ $^L{}_F$

SINGLE-COULUMN TABULATED LINES/ TRADE TABLE

Opening Board of Trade Table
CHICAGO (AP)—Futures trading on the Chicago Board of Trade Monday:

			Yr ago
	Open	Close	Close
Wheat (5,000 bu)			

Dec	3.44 1/2	3.46 1/2	4.61
Mar	3.55	3.57 1/2	4.80 1/2
May	3.62	3.63 1/2	4.81 1/2
Jul	3.65 1/2	3.66	4.50
$^T{}_{L_I}$ Sep	$^T{}_{F_I}$3.71	3.71 1/2	4.56 $^C{}_R$ $^L{}_F$

NATIONAL BASKETBALL ASSOCIATION
By United Press International
EASTERN CONFERENCE
Atlantic Division

	W	L	Pct.	GB
Boston	63	19	.768	—
Philadelphia	58	24	.707	5
New Jersey	43	39	.524	20
$^T{}_{L_I}$ New York	$^T{}_{F_I}$33	49	.402	30 $^C{}_R$ $^L{}_F$

SINGLE LINE WEATHER

CITY & FCST	HI	LO	PCP
Albuquerque f	68	48	.01
Amarillo pc	89	57	....
Anchorage	50	43	.22
Ashville cy	74	64	....
$^T{}_{L_I}$ Atlanta pc	$^T{}_{F_I}$78	68	.... $^C{}_R$ $^L{}_F$

All spacing within and between columns is controlled with fixed and monitor spaces. These precede the $^T{}_{F_I}$ character and follow the $^C{}_{F_S}$ character. All lines terminate with a $^C{}_R$ $^L{}_F$.

SPACING—A minimum of one space band and any necessary fixed spacing.
MONITOR SPACE—Will appear along with fixed spaces and TTS space bands to activate the receiver's monitor device.
FIXED SPACING—EM, EN, THIN, EM Leader, EN Leader.
CR—Carriage Return
LF—Line Feed
TLI—Tab Line Indicator
TFI—Tab Field Indicator, indicates first tab column.
CFS—Center Field Separator, indicates center point of the line measure in a Side-by-Side tabular line.

Tabular Material

Tabular material is sometimes transmitted in a justified format, and is coded to fit within an 11-pica line measure.

AP—Textual material within a justified tabular transmission is transmitted in unjustified format.

UPI—Textual material within a justified tabular transmission also appears in justified form to an 11-pica measure.

Special newspaper character set

The modified ASCII character code chart accompanying this explanation is recommended to facilitate computer-to-computer transmission of wire service material.

Characters and format effectors shown on the chart represent the appropriate transmission codes for the specified locations. The character that appears on various manufacturers' line printers will vary in some cases.

For example, in column two, row ten, some manufacturers' line printers will printout an asterisk character. However, the character being transmitted will be an EM Leader.

1. **TLI**—A Tab Line Indicator code at the beginning of a line indicates a tabular line; three TLI codes at the beginning of a line indicates a side-by-side tabular line.

2. **HT**—Horizontal Tab at the beginning of a line indicates a paragraph indent, and will be followed by three SP (Space) codes. The space codes enable the line printer to represent the paragraph indent.

3. **SS1**—Single Shift provides for a single character access of an alternate character set. The alternate character set may be found in ANPA Special Report 85-1.

4. **FF**—This code will appear at unspecified intervals and will be treated as a NUL code.

5. **SO**—Shift Out provides for an alternate character set. The character set to be transmitted will be mutually agreed to by a receiving party (also see ANPA Special Report 85-1).

6. **SI**—Shift In is the code reserved to return transmission mode to the normal character set, as printed here.

7. **NAK**—The Negative Acknowledgement Code is being used by UPI and is reserved for that purpose.

8. **SYN**—Codes may appear at unspecified intervals through transmission. It is recommended that computer programs ignore all occurrences of SYN codes.

9. **CFS**—Center Field Separator Code is used only in side-by-side tabular lines (primarily baseball boxscores),

THE COMMITTEE

A number of newspaper, news service and manufacturer's representatives were instrumental in the initial publication of ANPA/Research Institute Bulletin 1312, dated February 1, 1979.

This Special Report is an update of that material and was developed through the continuing efforts of the ANPA Wire Service Transmission Guidelines Committee. This committee consists of approximately 98 people.

The Wire Service Transmission Guidelines Committee is directed through a Steering Committee appointed from the full committee membership, and they represent large, medium and small newspapers; manufacturers and the news service carriers.

and indicates the mid-point of the measure. It also identifies the point after which TTS Space Band codes may reappear until another TFI is transmitted.

10. **TFI**—Tab Field Indicator. In a tabular line this code identifies the point where the beginning of fixed spacing codes (EM Space, EN Space, etc.) should be preserved if columns of figures are to align properly. Within a tabular line, no TTS Space Band code follows a TFI unless the line contains side-by-side material.

11. **SPACE CODES**

SP—This code, when transmitted within a tabular line, is used to drive monitor devices. It should be ignored for typesetting purposes.

TTS Space Band—This code, which appears only in tabular lines, identifies locations where variable width space will be needed for typesetting.

EM Space—A fixed space, typically twice the width of a single digit.

EN Space—A fixed space, typically the width of a single digit.

Thin Space—A fixed space, typically the width of a period, comma or hyphen.

EM Leader—Fixed spacing that inserts two dots the width of an EM space.

EN Leader—Fixed spacing that inserts one dot, the width of an EN space.

Note: Aborted transmissions may appear at unspecified intervals. They should be ignored. An aborted transmission is identified when the Start Of Header (SOH) and alpha character are followed by an idle state exceeding 250 milliseconds, or receipt of a second SOH.

Text—The text of a wire service transmission is any material that appears between the Start-Of-Text (STX) and End-Of-Text (ETX) function codes.

There is no maximum number of characters in a line of text.