

**UPKEEP WORK UNITS**  
**STATION EQUIPMENT — TELETYPEWRITER**  
**FORM E-4411**

**1. GENERAL**

**1.01** This form shows upkeep work units per plant item for teletypewriter station equipment. It provides for summarizing the items and determining the work units per quarter by accounts. Since maintenance of this equipment is chargeable, according to usage, in either the station (18R) or the large P.B.X. (58R) account, separate copies of the form should be used to inventory the items in each account.

**1.02** This section is reissued to renumber it into the Plant Series and to revise Form E-4411 (5-64) to provide work unit credit for station converters, 35 type reperforator transmitters, encryption units and code converters. The revised form will not be available until the present stock of Form E-4411 (1-63) is exhausted. It will be necessary to write in items as follows:

COLUMN AND LINE	FROM	TO
Plant Item 12	28ASR	Station Converter (on line)
B-12	Blank	14.0
E-12	Blank	20.9
H-12	Blank	30.6
K-12	Blank	36.8
Plant Item 16	28 Type Reperforator Transmitter	28 and 35 Type Reperforator Transmitter
Plant Item 18	Blank	Encryption Unit
K-18	Blank	7.00
K-27	xx	62.60
Plant Item 33	Blank	Code Converter (off line)
B-33	Blank	11.0
E-33	Blank	16.7
H-33	Blank	24.5
K-33	Blank	29.4

**1.03** Section 015-100-010 covers general instructions applicable to all upkeep work unit forms. Section 015-000-000 contains a list of the sections describing each work unit form in the Plant Maintenance Expense Results Plan.

**2. DESCRIPTION OF FORM E-4411**

**2.01 Plant Item:** This column shows which teletypewriter station equipment items you should count.

**2.02 Columns A, D, G and J: Number of Plant Items:** Enter in the appropriate columns by class and speed the number of plant items in service or maintained. Count separately and enter on separate Forms E-4411 (1) the station equipment items which are charged to teletypewriter station account 18R, and (2) those items which are charged to large P.B.X. account 58R.

**Note:** Include the 53 speed 20-type equipment used in teletypesetter services with the 60 speed teletypewriter services. Include the 66 speed teletypesetter equipment with the 75 speed teletypewriter equipment.

**2.03 Columns B, E, H and K: W.U. per Plant Item:** These columns show the work units per plant item per quarter by class and by speed for each item listed in Columns A, D, G and J.

**2.04 Columns C, F, I and L: W.U. per Quarter:** Multiply the number of plant items in Columns A, D, G and J by the corresponding work units per plant item in Columns B, E, H and K. Enter the resulting work units per quarter in Columns C, F, I and L respectively. Show the work units to the nearest whole number.

**Teletypewriters**

**2.05 Lines 1 through 16:** Enter in the appropriate columns the number of teletypewriters of the type listed on each line. Do not count reperforator transmitters associated with 81 and 82B1 systems. These are covered on Form E-4412 — Work Units — Switching Equipment — Teletypewriter.

**2.06 Line 17: Total Teletypewriters:** Enter the sum of lines 1 through 16, Columns A, D, G and J.

**Associated Equipment**

**2.07 Lines 18 through 34:** Enter in the appropriate columns the number of plant items of the types listed on each line. Do not count the perforators and the transmitter distributors which are a part of an ASR teletypewriter. Also, do not count tape winders which are part of an 81 system. The latter are included on Form E-4412 — Work Units — Switching Equipment — Teletypewriter.

**2.08 Line 35: Total Work Units:** Enter the sum of lines 1 through 34, Columns C, F, I and L.

**2.09 Line 36: Grand Total Teletypewriters:** Enter the sum of line 17, Columns A, D, G and J.

**2.10 Line 37: Grand Total Work Units:** Enter the sum of line 35, Columns C, F, I and L.

**2.11 Upkeep Hours on this Equipment Charged to Account R:** Enter the account number.

**2.12 City-Office, Dist.-Div., Company-Area, Qtr. Ending:** Make entries as appropriate.

# WORK UNITS

## STATION EQUIPMENT - TELETYPEWRITER

PLANT ITEM		TWX AND WADS SERVICE			PRIVATE LINE SERVICE (TWPL)									
					60 W.P.M.			75 W.P.M.			100 W.P.M.			
		A	B	C	D	E	F	G	H	I	J	K	L	
		NUMBER OF PLANT ITEMS	W.U. PER ITEM	W.U. PER QUARTER (A X B)	NUMBER OF PLANT ITEMS	W.U. PER ITEM	W.U. PER QUARTER (D X E)	NUMBER OF PLANT ITEMS	W.U. PER ITEM	W.U. PER QUARTER (G X H)	NUMBER OF PLANT ITEMS	W.U. PER ITEM	W.U. PER QUARTER (J X K)	
TELETYPEWRITERS	NSR	14		16.95			27.10			43.20			86.50	
		15 AND 20		8.29			23.80			42.70			85.50	
		28 AND 35		9.63			24.20			35.50			42.50	
			33		9.63			XX			XX			39.00
	RO	14		19.70			30.90			57.70			92.70	
		15 AND 20		18.05			33.50			39.60			79.30	
		28 AND 35		13.15			24.20			35.50			42.50	
			33		13.15			XX			XX			39.00
	ASR	19		21.90			40.40			72.60			126.00	
		28 AND 35		21.90			40.40			59.00			70.80	
		33		21.90			XX			XX			64.90	
		STATION CONVERTER (ON LINE)		14.00			20.90			30.60			36.80	
		14 TYPE TYPING REPERFORATOR		11.15			19.45			32.00			62.80	
		28 TYPE TYPING REPERFORATOR		9.01			16.50			23.90			28.80	
		14 TYPE REPERFORATOR TRANSMITTER		8.65			40.70			61.00			XX	
		28 AND 35 TYPE REPERFORATOR TRANSMITTER		6.99			34.50			45.60			54.90	
		TOTAL TELETYPEWRITERS (LINES 1-16)		XX	XXXX		XX	XXXX		XX	XXXX		XX	XXXX
ASSOCIATED EQUIPMENT		ENCRYPTION UNIT	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	7.00	
		CONTROLLER (WADS A-D & EQUIV. TYPE)		17.00			17.00			17.00			17.00	
		14, 15, 20 & 28 TYPE PERFORATOR		16.95			16.95			16.95			16.95	
		14 AND 20 TYPE NON-TYPING REPERFORATOR		13.05			15.90			23.80			XX	
		114 TYPE REPERFORATOR TRANSMITTER		8.65			40.70			61.00			XX	
		TRANSMITTER DISTRIBUTOR	14 AND 20 TYPE		1.85			9.01			14.15			28.40
			28 TYPE		5.41			10.05			14.40			20.30
			MULTIPLE TYPE		XX			39.40			39.40			78.50
			28 TYPE SEQUENCE SELECTOR		XX			12.10			17.75			21.40
			SOTUS		XX			41.70			62.60			62.60
			TAPE WINDER (MOTOR DRIVEN)		4.89			4.89			4.89			4.89
			PAPER WINDER (MOTOR DRIVEN)		2.58			2.58			2.58			2.58
		SUB OR DATA SET	131 TYPE		29.90			29.90			XX			XX
			101, 102, 103, 105, 130 & EQUIV. TYPE		8.00			8.00			8.00			8.00
			154 TYPE		17.00			17.00			17.00			17.00
			CODE CONVERTER (OFF LINE)		11.00			16.70			24.50			29.40
			TOTAL WORK UNITS (LINES 1-34)	XXXX	XX		XXXX	XX		XXXX	XX		XXXX	XX
36 GRAND TOTAL TELETYPEWRITERS (SUM OF LINE 17, COLS. A, D, G AND J)					UPKEEP HOURS ON THIS EQUIP			CITY-OFFCE.			COMPANY-AREA			
37 GRAND TOTAL WORK UNITS (SUM OF LINE 35, COLS. C, F, I AND L)					CHGD. TO ACCT.			R DIST.-DIV.			QTR.-ENDING			