

**APPENDIX N**  
**EXTERNAL INTERFACE TAPE SPECIFICATIONS**



**EXTERNAL INTERFACE TAPE SPECIFICATIONS**

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**SOURCE DATA SPECIFICATIONS FOR  
U.S. TREASURY DEPARTMENT  
INTERFACE TAPES**



## Tape Specifications

Tape	Tape Density	Rec Size	Blk Size	Rec Type	JCL- ENTERED-LABEL	* = Major sort Record-sequence
BOND	1600	30-210	2104	VB	PRDNPPS	Employee SSN within *bond denomination  Subtotal record by bond denomination
EFT	1600	160	1600	FB	NASA.SALARY	Employee SSN within *EFT-routing-number  One header and one trailer record
Non-EFT	1600	74-204	1860	VB	REGULAR.SALY.NASA	SSN within *line codes  Two trailer data records

**Note:** The record sizes for Variable Blocked (VB) records include the 4 bytes used by the operation system that gives the record length.



**SOURCE DATA SPECIFICATIONS FOR  
U.S. TREASURY DEPARTMENT  
INTERFACE TAPES  
(BOND TAPE)**



**Bond Tape Data Record (Page 1 of 2)**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
1	6	1-6	Blank	
2	1	7	Social security code	Always "1"; system generated
3	9	8-16	SSN	
4	2	17-18	Blank	
5	2	19-20	Issue month numeric code BOND: INTEREST ACCRUAL DATE Date format = MMY	JAN = "01" DEC = "12"
6	1	21	Denomination code See NPS2-BOND-TABLE BOND-CODE field	"4" = \$100, "5" = \$200 "6" = \$500, "7" = \$1000
7	4	22-25	Issue year BOND: INTEREST ACCRUAL DATE Date format = MMY	Century Generated for 4-digit year
8*	1	26	Line code	System generated; set to 3 if BOND: MAILING ADDRESS (address line three is blank; otherwise, set to 4)
9	6	27-32	Blank	
10	4	33-36	Blank	
11	1	37	Blank	
12	3	38-40	BOND: CO-OWNER/BENEFICIARY CDE Blank, OR , POD	
13	1	41	Blank	
14	38	42-79	BOND: CO-OWNER/BENEFICIARY NAME BOND: CO-OWNER/BENEFICIARY SSN (The tape field equals these two fields concatenated together. CO-OWNER/BENEFICIARY does not need to have a SSN. In this instance, a number will be assigned within a 01-99 range. When a bond tape is produced, a SSN within this range will not be written to the bond tape.)	
15	2	80-81	Blank	
16	42	82-123	BOND: OWNER NAME BOND: OWNER SSN	(The tape field equals these two fields concatenated.)
17	1	124	Blank	

**Bond Tape Data Record (Page 2 of 2)**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
18	1	125	Blank	
19	1	126	Blank	
20*	25	127-151	BOND: MAILING ADDRESS address line one	Last 10 characters are truncated from the source field.
21*	25	152-176	BOND: MAILING ADDRESS address line two	Last 10 characters are truncated from the source field.
22*	18	177-194	BOND: MAILING ADDRESS address line three	City and state
23	2	195-196	Blank	
24	5	197-201	BOND: MAILING ADDRESS ZIP code	
25	4	202-205	Blank	
26	1	206	Data record mark	Back-slash "\ "; system generated

**Note:** No embedded blank address lines are permitted. Address lines, including the ZIP code, are "moved up" to fill in lower numbered blank lines. If address line three is not needed, the line code equals "3," the data record mark "\ " appears in column 181, and a 181-character record is written. If address line three is needed, a 206-character record is written.

**Bond Tape Denomination Control Record**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
1	6	1-6	Blanks	
2	1	7	Control record code	Always "9"; system generated
3	1	8	Bond denomination code	Bonds with like denomination are counted together.
4	11	9-19	Blanks	
5	6	20-25	Record count	System calculated (a count of bonds purchased within a bond denomination)
6	7	26	Data record mark	Back slash "\ "; system generated



**SOURCE DATA SPECIFICATIONS FOR  
U.S. TREASURY DEPARTMENT  
INTERFACE TAPES  
(EFT TAPE)**



**NET PAY/ALLOTMENT RECORD  
(Direct Deposit)**

Field Number	Length	Column	Source Data Field	Remarks
1	9	1-9	SSN	
2	1	10	Record code	Always "A"; system generated
3	8	11-18	Amount Net = NET EARNINGS: B/W Allot = VOLUNTARY ALLOT: REQ'ST AMT(1-2) Loan = MER-TSP-LOAN-DED-AMT(1) + TSP: LOAN 1 ADJUSTMENT OR = MER-TSP-LOAN-DED-AMT(2) + TSP: LOAN 2 ADJUSTMENT	Unsigned
4	1	19	Line code	"S" = Net pay "A" = Allotment; system generated
5	8	20-27	INSTALLATION: PAYROLL OFFICE NUM	
6	25	28-52	NAME: FIRST MI. LAST (22 characters followed by 3 spaces) For TSP loan name = <i>NATL FINANCE CENTER</i>	
7	1	53	ACCOUNT TYPE: EFT Net = PAY-ADDR-ACCT-TYPE Allot = PAY-VOL-ALLOT-A-TYPE PAY-VOL-ALLOT-B-TYPE Loan = S	"C" = Checking "S" = Savings
8	9	54-61	FINANCIAL INST ROUTING NBR Net = PAY-ADDR-INST-NBR Allot = PAY-VOL-ALLOT-INST(1-2) Loan = MER-TSP-LOAN-INST(1-2)	Includes check digit
9	17	63-79	ACCOUNT NUMBER Net = NET-PAY-ADDR-ACCT-NBR Allot = PAY-VOL-ALLOT-ACCT-NBR(1-2) Loan = MER-TSP-LOAN-ACCT-NBR(1-2)	
10	81	80-160	Blank	

### EFT Header Record (Direct Deposit)

Field Number	Length	Column	Source Data Field	Remarks
1	4	1-4	Record ID	Always "DHDR"; system generated
2	16	5-20	Blank	
3	10	11-18	File ID	Always "NASASALARY"; system generated
4	5	31-35	Creation date Gregorian date (YYDDD)	From the NATURAL system (*DATJ)
5	5	36-40	Blank	
6	20	41-60	Agency name	First 20 characters of INSTALL- NAME
7	12	61-72	Agency telephone number INSTALL-TSP-CONTACT-PHONE	
8	6	73-78	DD/EFT Agency ID	Always "FEDSAL"; system generated
9	82	79-160	Blank	

**EFT Trailer Record  
(Direct Deposit)**

<b>Field</b>				
<b>Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
1	4	1-4	Record ID	Always "DEOR"; system generated
2	6	5-10	Blank	
3	10	11-20	Record Count	System calculated
4	9	21-29	Blank	
5	11	30-40	Total Amount	System calculated
6	60	41-160	Blank	



**SOURCE DATA SPECIFICATIONS FOR  
U.S. TREASURY DEPARTMENT  
INTERFACE TAPES  
(NON-EFT TAPE)**



**Non-EFT Pay Tape**  
**(Net Pay Record: Line Code = "3")**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
1	9	1-9	SSN	
2	1	10	Record code	Always "A"; system generated
3	1	11	Object code	Always zero; system generated
4	1	12	Mail sort code	Always zero; system generated
5	1	13	Type of payment code	Always blank; system generated
6	8	14-21	NET EARNINGS: B/W	
7	1	22	Line code	Always = "3"; system generated
8	1	23	ZIP code control	Always = "1"; system generated
9	4	24-27	Agency code	Always blank; system generated
10	4	28-31	Designated agent code	Always blank; system generated
11	2	32-33	Blank	
12	8	34-41	INSTALLATION:PAYROLL OFFICE NUM	
13	16	42-57	INSTALLATION:APPROPRIATION CODE	
14	25	58-82	NAME:FIRST MI. LAST	
15	9	83-91	ADDRESS:CHECK MAILING (ZIP)	Nine numbers or five numbers followed by four spaces
16	35	92-126	ADDRESS:CHECK MAILING	Address line 1
17	18	127-144	ADDRESS:CHECK MAILING	Address, City, St.
18	8	145-152	BLANK	

**Non-EFT Pay Tape**  
**(Net Pay Record: Line Code = "4")**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
1	9	1-9	SSN	
2	1	10	Record code	Always "A"; system generated
3	1	11	Object code	Always zero; system generated
4	1	12	Mail sort code	Always zero; system generated
5	1	13	Type of payment code	Always blank; system generated
6	8	14-21	NET EARNINGS: B/W	
7	1	22	Line code	Always "4"; system generated
8	1	23	ZIP code control	Always "1"; system generated
9	4	24-27	Agency code	Always blank; system generated
10	4	28-31	Designated agent code	Always blank; system generated
11	2	32-33	Blank	
12	8	34-41	INSTALLATION: PAYROLL OFFICE NUM	
13	16	42-57	INSTALLATION: APPROPRIATION CODE	
14	25	58-82	NAME: FIRST MI. LAST	
15	9	83-91	ADDRESS: CHECK MAILING (ZIP)	Nine numbers or five numbers followed by four spaces
16	35	92-126	ADDRESS: CHECK MAILING	Address line 1
17	35	127-161	ADDRESS: CHECK MAILING	Address line 2
18	18	162-179	ADDRESS: CHECK MAILING	Address City, St.
19	13	180-192	Blank	

**Non-EFT Pay Tape**  
**(Discretionary Allotments: Line Code = "9")**  
**(Page 1 of 2)**

Field Number	Length	Column	Source Data Field	Remarks
1	9	1-9	SSN	
2	1	10	Record code	Always "A"; system generated
3	1	11	Object code	Always zero; system generated
4	1	12	Mail sort code	Always zero; system generated
5	1	13	Type of Payment Code	Always blank; system generated
6	8	14-21	Payment Amount BANKRUPTCY: B/W CHILD SUPPORT: B/W INDEBTEDNESS DUE U.S.: B/W EMPL GRNSH CRNT DED AMT	
7	1	22	Line code	Always "9"; system generated
8	1	23	ZIP code control	Always "1"; system generated
9	4	24-27	Agency use BANKRUPTCY = "2 " CHILD SUPPORT = "1 " INDEBTEDNESS = "3 " COMMERCIAL GARNISHMENT = "4 "	System generated to identify discretionary payment type
10	4	28-31	Designated Agent Code	Always blank
11	2	32-33	Blank	
12	8	34-41	INSTALLATION: PAYROLL OFFICE NUM	
13	16	42-57	INSTALLATION: APPROPRIATION CODE	
14	25	58-82	NAME: FIRST MI. LAST	Employee name
15	9	83-91	ZIP code BANKRUPTCY AGENCY ADDR CHILD SUPPORT: ACY ADDR INDEBTEDNESS DUE U.S.: ACY ADDR EMPL GRNSH CRDTR ZIP CODE	Nine numbers or five numbers followed by four spaces

**Non-EFT Pay Tape**  
**(Discretionary Allotments: Line Code = "9")**  
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<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
16	35	92-126	Payee name BANKRUPTCY: AGENCY NAME CHILD SUPPORT: ACY NAME INDEBTEDNESS DUE U.S.: ACY NAME EMPL GRNSH CRDTR NAME	
17	35	127-161	Address line 1 BANKRUPTCY: AGENCY ADDR CHILD SUPPORT: ACY ADDR INDEBTEDNESS DUE U.S.: ACY ADDR EMPL GRNSH CRDTR ADDR	
18	18	162-179	Address line 2 BANKRUPTCY: AGENCY ADDR CHILD SUPPORT: ACY ADDR INDEBTEDNESS DUE U.S.: ACY ADDR EMPL GRNSH CRDTR CITY + EMPL-GRNSH-CRDTR-STATE	City, State
19	8	180-187	Blank	
20	12	188-199	Information to payee BANKRUPTCY: REMARKS CHILD SUPPORT: REMARKS INDEBTEDNESS DUE U.S.: REMARKS EMPL GRNSH CRDTR REMARK	
21	1	200	Blank	

**Non-EFT Pay Tape**  
**(Office Check Line Code = "1", Award Line Code = "2")**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
1	9	1-9	SSN	
2	1	10	Record code	Always "A"; system generated
3	1	11	Object code	Always zero; system generated
4	1	12	Mail sort code	Always zero; system generated
5	1	13	Type of payment code	Always blank; system generated
6	8	14-21	Payment amount NET EARNINGS: B/W (AWARD: AMOUNT - FEDERAL TAX: AWARD B/W - CITY: AWARD B/W - STATE: AWARD B/W - HIT: AWARD B/W - FICA: AWARD B/W)	Office check (award, system calculated)
7	1	22	Line code	"1" = Office chk "2" = Award System generated
8	1	23	Blank	
9	4	24-27	Agency use	Always blank
10	4	28-31	Designated Agent Code	Always blank
11	2	32-33	Blank	
12	8	34-41	INSTALLATION: PAYROLL OFFICE NUM	
13	16	42-57	INSTALLATION: APPROPRIATION CODE	
14	24	58-82	NAME: FIRST MI. LAST	Payee name
15	6	83-88	Blank	

**Non-EFT Pay Tape**  
**(Installation Payments: Line Code = "8")**  
**(Page 1 of 2)**

Field Number	Length	Column	Source Data Field	Remarks
1	9	1-9	Blank	
2	1	10	Record code	Always "A"; system generated
3	1	11	Object code	System generated; NEBA / Union = "3" Charities = "2"
4	1	12	Mail sort code	Always zero; system generated
5	1	13	Type of payment code	Always blank
6	8	14-21	Payment amount NEBA: TOTAL B/W UNION DUES: B/W + UNION DUES: ADJUSTMENT CFC: B/W + CFC: ADJUSTMENT	Totals calculated from employee's deduction (UNION & CFC by agency)
7	1	22	Line code	Always "8"; system generated
8	1	23	ZIP code contrd	Always "1"; system generated
9	10	24-33	Agency name/Location (If the center = "1234" then this field would equal "NASA-1234 ")	System generated ("NASA-" is placed before the center code from workfile with a trailing space.)
10	8	34-41	INSTALLATION: PAYROLL OFFICE NUM	
11	16	42-57	INSTALLATION: APPROPRIATION CODE	
12	25	58-82	Address line 1 (columns 1-25) CFC-ADDR1 UNION-ADDR1 VOUCHER-NEBA-ADDR-1	<u>From table</u> TCFC TUNION TINSTALL
13	9	83-91	ZIP code CFC-ZIP UNION-ZIP VOUCHER-NEBA-ZIP	Nine numbers or five numbers followed by four spaces
14	35	92-126	Payee name CFC-NAME UNION-NAME VOUCHER-NEBA-ZIP	<u>From table</u> TCFC TUNION TINSTALL

**Non-EFT Pay Tape**  
**(Installation Payments: Line Code = "8")**  
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Field Number	Length	Column	Source Data Field	Remarks
15	35	127-161	Address line 2 CFC-ADDR1 UNION-ADDR1 VOUCHER-NEBA-ADDR-1	See tables noted above
16	18	162-179	Address line 3 CFC-CITY CFC-STATE UNION-CITY UNION-STATE VOUCHER-NEBA-CITY VOUCHER-NEBA-ST	City and state in line 3 with a space between
17	10	180-189	Address line 1 (columns 26-35) CFC-ADDR1 UNION-ADDR1 VOUCHER-NEBA-ADDR-1	<u>From table</u> TCFC TUNION TINSTALL
18	11	190-200	Blanks	

**Non-EFT Trailer Records**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
1	3	1-3	Blanks	
2	6	4-9	Item count	System calculated
3	1	10	Record Code	Always "C"; system generated
4	15	11-25	Total Amount	System calculated
5	10	26-35	Agency I.D. INSTALLATION: PAYROLL-OFFICE NUM	Preceded by two spaces
6	35	36-70	Blanks	

## Non-EFT Trailer Records

Field Number	Length	Column	Source Data Field	Remarks
1	3	1-3	Blanks	
2	6	4-9	Item count	System calculated
3	1	10	Record Code	Always "F"; system generated
4	15	11-25	Total Amount	System calculated
5	10	26-35	Agency I.D. INSTALLATION: PAYROLL-OFFICE NUM	Preceded by two spaces
6	35	36-70	Blanks	

**Note:** The two trailer records for the NON-EFT tape are the same EXCEPT that the record code of the next to last record on the tape is equal to "C" and the record code of the last record on the tape is equal to "F".



**SOURCE DATA SPECIFICATIONS FOR  
SOCIAL SECURITY ADMINISTRATION  
INTERFACE TAPES**



## Social Security Administration Tape Specifications

<b>Tape</b>	<b>Density</b>	<b>Rec Size</b>	<b>Blk Size</b>	<b>Rec Type</b>	<b>JCL-ENTERED-LABEL</b>
SSA	6250	275	2750	FB	PRODNPPS.TAPE.YEAREND

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### SSA Tape Record Sequence by Record Identifier

<b>Record Identifier</b>	<b>Remarks</b>
A	Employer Identification
B	Tape Specifications
E	Employer Establishment Record (for "Medicare Qualified (HIT) Employees who do not have OASDI wages or withholding)
W	Employee Wage Records
I	Subtotal for every 41 records or less for the last subtotal
S	Supplemental Record
I	Subtotal for every 41 records or less for the last subtotal
T	Subtotal for all W Records back to the last "E" Record
E	Employee Establishment Record (for all employees' records not included under the first "E" Record)
W	Employee Wage Records
S	Supplemental Record
I	Subtotal for every 41 records or last for the last subtotal
T	Subtotal for all W Records back to the last "E" Record
F	Final record on the SSA-Tape; a total count of all "W" Records on the tape

**Social Security Administration (Pay-year-end) Tape  
(Record Identifier = "A")**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
1	1	1	Record identifier	Always "A"; system generated
2	4	2-5	Year (Tax-year)	From workfile 8; Generated by BJS
3	9	6-14	INSTALLATION:ED TAX W2 ID	First nine numbers from the source field; dashes "-" are stripped out; left justified, zero fill right
4	1	15	Blank	
5	8	16-23	Blank	
6	50	24-73	INSTALLATION: NAME	From workfile 8, as loaded from BJS file. BJS file is loaded when runstreams are recreated or created.
7	25	74-113	INSTALLATION: SSA ADDRESS	Spaces are compressed out of 2-line address.
8	25	114-138	INSTALLATION: ADDRESS	City
9	2	139-140	INSTALLATION: ADDRESS	State
10	8	141-148	Blank	
11	5	149-153	Blank	
12	5	154-158	INSTALLATION:ADDRESS	ZIP code
13	117	159-275	Blank	

**Social Security Administration (Pay-year-end) Tape  
(Record Identifier = "B")**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
1	1	1	Record identifier	Always "B"; system generated
2	4	2-5	Year (Tax-year)	From workfile 8; generated by BJS
3	9	6-14	INSTALLATION: FED TAX W2 ID	First nine numbers from the source field; dashes "-" are stripped out; left justified, zero fill right
4	8	15-22	Computer	Always "IBM"; system generated
5	2	23-24	Internal labelling	Always "SL"; system generated
6	1	25	Blank	Always blank
7	2	26-27	Density	Always "62" for system generated
8	3	28-30	Recording code	Always "EBC"; system generated
9	1	31	Blank	Always blank
10	1	32	Blank	
11	1	33	Copy preference	Always blank
12	1	34	Blank	
13	112	35-146	Blank	
14	44	147-190	INSTALLATION: NAME	From workfile 8, as loaded from BJS file. BJS file is loaded when run streams are recreated or created.
15	35	191-225	INSTALLATION: SSA ADDRESS	Spaces are compressed out of 2-line address
16	20	226-245	INSTALLATION: ADDRESS	City
17	2	246-247	INSTALLATION: ADDRESS	State
18	5	248-252	Blanks	
19	5	253-257	INSTALLATION: ADDRESS	ZIP code
20	18	258-275	Blank	

**Social Security Administration (Pay-year-end) Tape  
(Record Identifier = "E")**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
1	1	1	Record identifier	Always "E"; system generated
2	4	2-5	Year (Tax-year)	From workfile 8; generated by BJS
3	9	6-14	INSTALLATION: FED TAX W2 ID	First nine numbers from the source field; dashes "-" are stripped out; left justified, zero fill right
4	9	15-23	Blank	
5	50	24-73	INSTALLATION: NAME	From workfile 8, as loaded from BJS file. BJS file is loaded when run streams are recreated or created.
6	40	74-113	INSTALLATION: SSA ADDRESS	Spaces are compressed out of two line address
7	25	114-138	INSTALLATION: ADDRESS	City
8	10	139-148	INSTALLATION: ADDRESS	State
9	5	149-153	Blank	
10	5	154-158	INSTALLATION: ADDRESS	ZIP code
11	1	159	NAME CODE	Always "S"
12	1	160	Type of Employment	"Q" for employees with a HIT deduction (and no OASDI); "R" for everybody else
13	2	161-162	Blocking factor	Always "10"
14	113	163-275	Blank	

**Social Security Administration (Pay-year-end) Tape  
(Record Identifier = "W")**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
1	1	1	Record identifier	Always "W"; system generated
2	9	2-10	SSN	
3	27	11-37	NAME: LAST, FIRST, MI, SUFF	Four name fields are compressed together with a space between name parts. The parts of a compound surname (including prefixes) will be separated by hyphens (-). If the prefix of a surname is only one character, an apostrophe (') will be used.
4	40	38-77	ADDRESS: MAILING AWARD RECIPIENT STREET ADDRESS	Home street address
5	25	78-102	ADDRESS: MAILING AWARD RECIPIENT CITY ADDRESS	City (and Country if foreign country)
6	10	103-112	ADDRESS: MAILING AWARD RECIPIENT STATE ADDRESS	State (blank if foreign country)
7	5	113-117	Blank	
8	5	118-122	ADDRESS: MAILING AWARD RECIPIENT ZIP ADDRESS	ZIP code
9	1	123	Statutory Employee code	Always blank; system generated
10	7	124-130	Annual FICA Wages FICA: EARNINGS YTD	
11	1	131	Blank	
12	7	132-138	Annual FICA tips	Always zeros; system generated
13	1	139	Blank	
14	9	140-148	Annual wages	System calculated (GROSS-EARNINGS: YTD) - (TSP: DEDUCTIONS TOTAL YTD)

**Social Security Administration (Pay-year-end) Tape  
(Record Identifier = "W")**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
15	1	149	Blank	
16	6	150-155	FICA tax withheld FICA: YTD HIT: YTD	
17	9	156-164	FEDERAL TAX: YTD	
18	1	165	Blank	Always blank
19	7	166-172	Zeros	Always zeros
20	1	173	Blank	Always blank
21	9	174-182	Zeros	Always zeros
22	9	183-191	HIT: EARNINGS YTD	
23	7	192-198	HIT: YTD	
24	8	199-206	Blank	Always blank
25	9	207-215	Zeros	Always zeros
26	1	216	Blank	Always blank
27	9	217-225	Zeros	Always zeros
28	1	226	Blank	Always blank
29	7	227-233	Zeros	Always zeros
30	7	234-240	Control Number	System calculated (consecutive no.)
31	14	241-254	Zeros	Always zeros
32	7	255-261	EIC: YTD	
33	1	262	Blank	Always blank
34	1	263	"P" if Pension Plan	
35	1	264	Blank	Always blank
36	1	265	"D" if Deferred Compensation	
37	1	266	Blank	Always blank
38	9	267-275	TSP: DEDUCTION TOTAL YTD	

Following each "E" Record will be one "W" Record for each unique SSN. Following each "W" Record will be from zero to 12 "S" Records (State, City, and County may each have a current and three former tax entities). "S" Records generated for the same tax entity will be combined into one "S" Record.

**Social Security Administration (Pay-year-end) Tape**  
**(Record Identifier = "I")**  
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<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
1	1	1	Record identifier	Always "I"; system generated
2	10	2-11	Annual FICA wags	System calculated
3	1	12	Blank	
4	10	13-22	Annual FICA tips	Always zeros; system calculated
5	1	23	Blank	
6	10	24-33	Annual wages	System calculated
7	1	34	Blank	
8	10	35-44	FICA employee tax WH	System calculated
9	1	45	Blank	
10	10	46-55	Federal income tax WH	System calculated
11	7	56-62	Control number	System calculated (a consecutive number strung from the first "W" Record, through all the "W" and "I" Records)
12	10	63-72	Zeros	Always zeros
13	10	73-82	Zeros	Always zeros
14	11	83-93	System calculated	Advanced Income Credit
15	10	94-103	Zeros	Always zeros
16	10	104-113	Zeros	Always zeros
17	1	114	Blank	Always blank
18	10	115-124	System calculated	Total TSP
19	1	125	Blank	Always blank
20	10	126-135	Zeros	Always zeros
21	1	136	Blank	Always blank
22	10	137-146	Zeros	Always zeros
23	1	147	Blank	Always blank
24	10	148-157	Zeros	Always zeros

**Social Security Administration (Pay-year-end) Tape**  
**(Record Identifier = "I")**  
**(Page 2 of 2)**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
25	118	158	Blank	Always blank
26	11	159-169	System Calculated	Total HIT wages
27	1	170	Blank	Always blank
28	10	171-180	System Calculated	Total HIT deduction
29	95	181-275	Blank	Always blank

The "I" Records are subtotal records that are generated every 41 employee records or less for the last group of "W" employee records under each Employer Establishment Record "E."

Following each "E" Record will be one "W" Record for each unique SSN. Following each "W" record will be from zero to 12 "S" records (State, City, and County may each have a current and three former tax entities). "S" records generated for the same tax entity will be combined into one "S" Record.

**Social Security Administration (Pay-year-end) Tape**  
**(Record Identifier = "S")**  
**(Page 1 of 2)**

Field Number	Length	Column	Source Data Field	Remarks
1	1	1	Record identifier	Always "S"
2	9	2-10	SSN	
3	27	11-37	NAME: FIRST,MIDDLE,LAST,SUFF AWARD RECIPIENT FIRST NAME, AWARD RCPNT MIDDLE INITIAL AWARD RECIPIENT FIRST NAME, AWARD RCPNT GENEALOGICAL-SUFFIX	
4	40	38-77	ADDRESS: MAILING AWARD RECIPIENT STREET ADDRESS	Home street address
5	25	78-102	ADDRESS: MAILING AWARD RECIPIENT CITY ADDRESS	City
6	10	103-112	ADDRESS: MAILING AWARD RECIPIENT STATE ADDRESS	State
7	5	113-117	Blank	
8	5	118-122	ADDRESS: MAILING AWARD RECIPIENT ZIP ADDRESS	ZIP code
9	1	123	Blank	
10	2	124-125	FIPS numeric code	System generated
11	2	126-127	Blank	
12	4	128-131	Reporting period	"12YY," YY=cuYr
13	20	132-151	18 zeros/2 spaces	System generated
14	4	152-155	EOD: DATE	MMYY only
15	4	156-159	TERMINATION DATE	MMYY only
16	5	160-164	STATE TAX: CODE STATE TAX: FORMER CODE YTD	
17	12	165-176	TAX-EMPR-ID	
18	6	177-182	Blank	
19	2	183-184	FIPS numeric code	Same as No. 10
20	9	185-193	Calculated	State taxable earn
21	8	194-201	Calculated	State tax W/H
22	10	202-211	Blank	
23	1	212	Tax Type Code	"C" = city, "D" = county

**Social Security Administration (Pay-year-end) Tape**  
**(Record Identifier = "S")**  
**(Page 2 of 2)**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
24	5	213-217	LOCAL TAX ENTITY: CODE CITY TAX: FORMER CODE YTD COUNTY TAX: FORMER CODE YTD	
25	9	218-226	Calculated	Local taxable
26	7	227-233	Calculated	Local tax W/H
27	42	234-275	Blank	

There will be one "S" record for each tax entity. If the tax entity is a STATE, then columns 202 - 275 will be blank or zeros as indicated by the fields. If the tax entity is a city or county, then columns 124 - 125 and columns 160 - 211 will be blank or zeros as indicated by the fields.

The calculation for taxable income, field #20 above for state and field #25 above for city or county, will be calculated by adding the current and PCS earnings together, and then subtracting the TSP deduction associated with a particular STATE or LOCAL tax entity. An example of the formula is as follows.

$$(\text{STATE TAX: ERNGS YTD} + \text{PCS: EARNINGS SUBJ STATE TAX YTD}) - \text{STATE TAX: TSP CY DED YTD}$$

An exception to this is for Pennsylvania (state code "PA") and Cleveland (city code "003"), which will not have the TSP deduction subtracted from taxable earnings.

An example of the formula for the withholding calculation is as follows.

$$\text{STATE TAX: YTD} + \text{PCS: STATE TAX WITHHELD YTD}$$

**Social Security Administration (Pay-year-end) Tape  
(Record Identifiers = "T")**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
1	1	1	Record Identification	Always "T"; system generated
2	7	2-8	Total employee records	System calculated
3	13	9-21	Annual FICA/HIT wage	System calculated
4	1	22	Blank	
5	12	23-34	Annual FICA tips	Always zero; system generated
6	13	35-47	Annual wages/compensation	System calculated
7	1	48	Blank	
8	12	49-60	FICA/HIT tax WH	System calculated
9	1	61	Blank	
10	12	62-73	Federal tax WH	System calculated
11	12	74-85	Zeros	Always zeros
12	12	86-97	Zeros	Always zeros
13	12	98-109	Advanced Earned Income	System calculated
14	12	110-121	Zeros	Always zeros
15	12	122-133	Zeros	Always zeros
16	1	134	Blank	Always blank
17	13	135-147	Total TSP	System calculated
18	1	148	Blank	Always blank
19	12	149-160	Zeros	Always zeros
20	1	161	Blank	Always blank
21	13	162-174	Zeros	Always zeros
22	1	175	Blank	Always blank
23	13	176-188	Zeros	Always zeros
24	1	189	Blank	Always blank
25	13	190-202	Annual HIT wages	System calculated
26	1	203	Blank	Always blank
27	12	204-215	Annual HIT W/H	System calculated
28	60	216-275	Blank	Always blank

**Social Security Administration (Pay-year-end) Tape  
(Record Identifier = "F")**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
1	1	1	Record Identifier	Always "F"; system generated
2	7	2-8	Total employee records	System calculated
3	1	9	Blank	Always blank
4	16	10-25	Total SS Wages	System calculated
5	1	26	Blank	Always blank
6	16	27-42	Zeros	Always zeros
7	1	43	Blank	Always blank
8	16	44-59	Total Wages/Earnings	System calculated
9	1	60	Blank	Always blank
10	16	61-76	Total SS W/H	System calculated
11	1	77	Blank	Always blank
12	16	78-93	Total Fed Tax W/H	System calculated
13	1	94	Blank	Always blank
14	16	95-110	Total EIC	System calculated
15	165	111-275	Blank	Always blank

**SOURCE DATA SPECIFICATIONS FOR  
USDA NATIONAL FINANCE CENTER  
INTERFACE TAPES**



## Thrift Savings Plan (TSP) Tape

<b>Tape</b>	<b>Density</b>	<b>Size</b>	<b>Rec Size</b>	<b>Blk Type</b>	<b>Rec JCL-ENTERED-LABEL</b>	<b>Record-sequence</b>
TSP	1600	80-254	2548	VB	PRODNPPS.TAPE.TSP	Record number within SSN. One header and one trailer record.

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<b>Record Type</b>	<b>Record Use</b>
Header	To identify the submitting installation
1	To contain employee identification information
11	Current payment record; all positive values
21	Refunds of payments made in error; all negative values
41	Resubmission of previously rejected payments; all positive values
Trailer	To total employee records in this submission

**TSP Employee Data Record**  
**(Record Number 01)**  
**(Page 1 of 2)**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
1	9	1-9	SSN	
2	6	10-15	DATE OF BIRTH	Birthdate from NPS2-PER-MASTER (YYYYMMDD using only bytes 3-8)
3	6	16-21	CTL-TSP-EFFDATE TSP effective date	EFFDATE from NPS2-PAYCTL-TABLE
4	2	22-23	TSP: RECORD NUMBER	Always "01"; system generated
5	17	24-40	NAME: LAST	First 17 of the 22 character source field
6	12	41-52	NAME: FIRST	
7	12	53-64	NAME: MIDDLE	
8	9	65-73	SSN: PREVIOUS	
9	6	74-79	MER-TSP-DOBERR	
10	25	80-104	ADDRESS: MAILING address line 1	First 25 of the 35 character source field
11	25	105-129	ADDRESS: MAILING address line 2	First 25 of the 35 character source field
12	25	130-154	Blanks address line 3	
13	20	155-174	ADDRESS: MAILING city	
14	3	175-177	ADDRESS: MAILING state	
15	9	178-186	ADDRESS: MAILING ZIP code	
16	1	187	TSP: EMPLOYEE STATUS CODE	
17	6	188-193	TSP: EMPLOYEE STATUS DATE	
18	16	194-209	INSTALL-TSP-LOCATION	From table TINSTALL
19	6	210-215	TSP: SCD	

**TSP Employee Data Record**  
**(Record Number 01)**  
**(Page 2 of 2)**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
20	1	216	TSP: VESTING PERIOD	
21	1	217	RETIREMENT PLAN	
22	1	218	TSP: SEPARATIONCODE	
23	6	219-224	TSP: SEPARATION DATE	
24	26	225-250	Blanks	

**TSP Employee Payment Record  
(Record Number 11)  
(Page 1 of 2)**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
1	9	1-9	SSN	
2	6	10-15	DATE OF BIRTH	Birthday from NPS2-PER-MASTER (YYYYMMDD using only bytes 3-8)
3	6	16-21	CTL-TSP-EFFDATE	EFFDATE from TSP effective date NPS2-PAYCTL-TABLE (YYYYMMDD using only bytes 3-8)
4	2	22-23	TSP: RECORD NUMBER	Always "11"; system generated
5	6	24-29	TSP: CY DED DISTR B/W MER-TSP-EMPDIST-DED(1) + MER-TPS-EMP-LATE-PMT(1)	Government fund
6	6	30-35	TSP: CY DED DISTR B/W MER-TSP-EMPDIST-DED(2) + MER-TPS-EMP-LATE-PMT(2)	Fixed income
7	6	36-41	TSP: CY DED DISTR B/W MER-TSP-EMPDIST-DED(3) + MER-TPS-EMP-LATE-PMT(3)	Common stock
8	6	42-47	TSP: CY DED B/W	
9	6	48-53	Zeros	Always zeros
10	6	54-59	Zeros	Always zeros
11	6	60-65	Zeros	Always zeros
12	6	66-71	Zeros	Always zeros
13	6	72-77	TSP: GOVT-BASIC AMT DISTR B/W MER-TSP-GBADIST(1) + MER-TSP-GB-LATE-PMT(1)	Government fund

**TSP Employee Payment Record**  
**(Record Number 11)**  
**(Page 2 of 2)**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
14	6	78-83	TSP: GOVT BASIC AMT DISTR B/W MER-TSP-GBADIST(2) + MER-TSP-GB-LATE-PMT(2)	Fixed income
15	6	84-89	TSP: GOVT BASIC AMT DISTR B/W MER-TSP-GBADIST(3) + MER-TSP-GB-LATE-PMT(3)	Common stock
16	6	90-95	TSP: GOVT BASIC CONTR B/W MER-TSP-GBAMT	
17	6	96-101	TSP: GOVT MATCHING DISTR B/W MER-TSP-GMADIST(1) + MER-TSP-EMP-GM-LATE-PMT(1)	Government fund
18	6	102-107	TSP: GOVT MATCHING DISTR B/W MER-TSP-GMADIST(2) + MER-TSP-EMP-GM-LATE-PMT(2)	Fixed income
19	6	108-113	TSP: GOVT MATCHING DISTR B/W MER-TSP-GMADIST(3) + MER-TSP-EMP-GM-LATE-PMT(3)	Common stock
20	6	114-119	TSP: GOVT MATCH CONTR TOT B/W MER-TSP-GMAMT	
21	2	120-121	TSP department MER-TSP-DEPT	
22	2	122-123	TSP agency MER-TSP-AGENCY	
23	27	124-150	Blanks	

**Employee TSP Adjustment Record**  
**(Record Number 21)**  
**(Page 1 of 2)**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
1	9	1-9	SSN	
2	6	10-15	DATE OF BIRTH	From NPS2-PER-MASTER (YYYYMMDD using only bytes 3-8)
3*	6	16-21	NPPS-TSP-ADJ-DATE effective date	From NPS2-PAY-TSP-ADJ (YYYYMMDD using only bytes 3-8)
4	2	22-23	TSP: RECORD NUMBER	Always "21"; system generated
5*	6	24-29	NPPS-TSP-EADJ-G (1-26)	Employee contribution; Government fund adjustment
6*	6	30-35	NPPS-TSP-EADJ-F (1-26)	Employee contribution; Fixed income adjustment
7*	6	36-41	NPPS-TSP-EADJ-C (1-26)	Employee contribution; Common stock adjustment
8	6	42-47	Total emp. cont. adj.	System calculated (sum of fields 5, 6, 7 above)
9*	6	48-53	Prior year	(Not implemented)
10*	6	54-59	Prior year	(Not implemented)
11*	6	60-65	Prior year	(Not implemented)
12	6	66-71	Prior year	(Not implemented)
13*	6	72-77	NPPS-TSP-GBAD-G (1-26)	Government basic contribution; Government fund adjustment
14*	6	78-83	NPPS-TSP-GBAD-F (1-26)	Government basic contribution; Fixed income adjustment
15*	6	84-89	NPPS-TSP-GBAD-C (1-26)	Government basic contribution; Common stock adjustment
16	6	90-95	Total gov. basic adj	System calculated (sum of fields 13, 14, 15 above)
17*	6	96-101	NPPS-TSP-GMAD-G (1-26)	Government match contribution; Government fund adjustment
18*	6	102-107	NPPS-TSP-GMAD-F (1-26)	Government match contribution; Fixed income adjustment
19*	6	108-113	NPPS-TSP-GMAD-C (1-26)	Government matching contribution; Common stock adjustment
20	6	114-119	Total gov. match adj	System calculated (sum of fields 17, 18, 19 above)

**Employee TSP Adjustment Record**  
**(Record Number 21)**  
**(Page 2 of 2)**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
21	2	120-121	TSP department MER-TSP-DEPT	
22	2	122-123	TSP agency MER-TSP-AGENCY	
23	27	124-150	Blank	

\* From NPS2-PAY-TSP-ADJ.

**Employee TSP Adjustment Record (Record Number 41)**  
**(Page 1 of 2)**

(TSP: Record Number = 41 are for resubmissions only. These TSP records do not affect net pay.)

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
1	9	1-9	SSN	
2	6	10-15	DATE OF BIRTH	From NPS2-PER-MASTER YYMMDD
3*	6	16-21	MER-TSP-EFFDATE	From NPS2-MER-FILE YYMMDD
4	2	22-23	TSP: RECORD NUMBER	Always "41"; system generated
5*	6	24-29	NPPS-TSP-EADJ-G (27-52)	Employee contribution; Government fund update
6*	6	30-35	NPPS-TSP-EADJ-F (27-52)	Employee contribution; Fixed income update
7*	6	36-41	NPPS-TSP-EADJ-C (27-52)	Employee contribution; Common stock update
8	6	42-47	Total emp. cont. update	System calculated (sum of fields 5, 6, 7 above)
9*	6	48-53	Prior year	(Not implemented)
10*	6	54-59	Prior year	(Not implemented)
11*	6	60-65	Prior year	(Not implemented)
12	6	66-71	Prior year	(Not implemented)
13*	6	72-77	NPPS-TSP-GBAD-G (27-52)	Government basic contribution; Government fund L.P.
14*	6	78-83	NPPS-TSP-GBAD-F (27-52)	Government basic contribution; Fixed income L.P.
15*	6	84-89	NPPS-TSP-GBAD-C (27-52)	Government basic contribution; Common stock L.P.
16	6	90-95	Total gov. basic adj	System calculated (sum of fields 13, 14, 15 above)
17*	6	96-101	NPPS-TSP-GMAD-G (27-52)	Government matching contribution; Government fund L.P.
18*	6	102-107	NPPS-TSP-GMAD-F (27-52)	Government matching contribution; Fixed income L.P.
19*	6	108-113	NPPS-TSP-GMAD-C (27-52)	Government matching contribution; Common stock L.P.
20	6	114-119	Total government matching L.P.	System calculated sum of fields 17, 18, 19 (above)

**Employee TSP Adjustment Record (Record Number 41)**  
**(Page 2 of 2)**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
21*	2	120-121	TSP department MER-TSP-DEPT	
22*	2	122-123	TSP agency MER-TSP-AGENCY	
23	27	124-150	Blank	

\* From NPS2-MER-FILE.

### TSP Header Data Record

Field Number	Length	Column	Source Data Field	Remarks
1	4	1-4	Record ID	Always "DHDR"; system generated
2	6	5-10	TSP-CERT-RPT-NO	First two bytes equal the "year" in CTL-DATE, the last four bytes equal to CTL-TSP-TAPE-SEQ in NPS2-PAYCTL-TABLE
3	6	11-16	CTL-TSP-EFFDATE effective date	From NPS2-PAYCTL-TABLE (YYYYMMDD using only bytes 3-8)
4	8	17-24	INSTALLATION: PAYROLL OFFICE NUM	
5	30	25-54	INSTALLATION: TSP CONTACT NAME	
6	12	55-64	INSTALLATION: TSP PHONE	
7	16	65-80	Blank	

## TSP Trailer Data Record

Field Number	Length	Column	Source Data Field	Remarks
1	4	1-4	Record ID	Always "TRLR"; system generated
2	14	5-18	Total employee deduction	System calculated
3	14	19-32	Zeros Not Implemented	Prior year
4	14	33-46	Total gov basic amt.	System calculated
5	14	47-60	Total gov matching amt.	System calculated
6	14	61-74	Total emp adjustment amt.	System calculated (records "21" and "41")
7	14	75-88	Zeros Not Implemented	Prior year
8	14	89-102	Total Gov't basic adj.	System calculated (records "21" and "41")
9	14	103-116	Total Gov't match adj	System calculated (records "21" and "41")
10	8	117-124	Total "01" records	System calculated
11	8	125-132	Total "11" records	System calculated
12	8	133-140	Total adjustment records (records "21" and "41")	System calculated
13	11	141-151	A numeric field	System generated; zero filled
14	49	152-200	Blank	



**SOURCE DATA SPECIFICATIONS FOR  
NEBA INTERFACE TAPES**



**NEBA Tape Specifications**

<b>Tape</b>	<b>Tape Density</b>	<b>Rec Size</b>	<b>Blk Size</b>	<b>Rec Type</b>	<b>JCL- ENTERED-LABEL</b>
NEBA	6250	111	11100	FB	PRDNPPS.TPAE.NEBA

## NEBA Tape Data Record

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
1	22	1-22	Last Name	
2	12	23-34	First Name	
3	1	35	Middle Initial	
4	3	36-38	Genealogical Suffix	
5	9	39-47	SSN	
6	2	48-49	Age	
7	7	50-56	Basic Coverage	N7
8	7	57-63	Spouse Coverage	N7
9	7	64-70	Optional Coverage	N7
10	6	71-76	Basic Deduction	N4.2
11	6	77-82	Spouse Deduction	N4.2
12	6	83-88	Optional Deduction	N4.2
13	6	89-94	Total Deduction	N4.2
14	8	95-102	LWOP Date	MM/DD/YY format
15	8	103-110	Chapter Departure	MM/DD/YY format
16	1	111	Smoker Flag	

**NEBA Tape Totals Record**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
1	2	1-2	Code	"%%"
2	6	3-8	SSN Count	N6
3	12	9-20	Basic Coverage	N12
4	12	21-32	Spouse Coverage	N12
5	12	33-44	Optional Coverage	N12
6	14	45-58	Basic Deduction	N12.2
7	14	59-72	Spouse Deduction	N12.2
8	14	73-86	Optional Deduction	N12.2
9	14	87-100	Total Deduction	N12.2
10	11	101-111	Blanks	

**NEBA Tape Installation Record**

<b>Field Number</b>	<b>Length</b>	<b>Column</b>	<b>Source Data Field</b>	<b>Remarks</b>
1	2	1-2	Code	"##"
2	40	3-42	Installation Name	
3	8	43-50	Pay Period Date	MM/DD/YY format
4	30	51-80	Report Name	NEBA Biweekly Summary
5	31	81-111	System Name	NASA Personnel and Payroll System