# SAM Entity Management Public Extract Layout

**Monthly File Name ASCII:** SAM_PUBLIC_MONTHLY_YYYYMMDD.ZIP
**Monthly File Name UTF-8:** SAM_PUBLIC_UTF-8_MONTHLY_YYYYMMDD.ZIP
**Daily File Name ASCII:** SAM_PUBLIC_DAILY_YYYYMMDD.ZIP
**Daily File Name UTF-8:** SAM_PUBLIC_UTF-8_DAILY_YYYYMMDD.ZIP

| Column Order | SAM Data Element List | Data Format | Max Length |
|---|---|---|---|
| 1 | DUNS | Numeric | 9 |
| 2 | DUNS+4 | Numeric | 4 |
| 3 | CAGE CODE | STRING | 5 |
| 4 | DODAAC | STRING | 9 |
| 5 | SAM EXTRACT CODE<br>Monthly File:<br>A - Active - Send the Complete Record.<br>E - Expired - Send the Complete Record.<br><br>Daily File:<br>1 - Deleted/Deactivated Record - Send DUNS, DUNS+4, CAGE Code, DODAAC, SAM Extract Code, Purpose of Registration.<br>2 - New Active Record - Send the Complete Record.<br>3 - Updated Active Record - Send the Complete Record.<br>4 - Expired Record - DUNS, DUNS+4, CAGE Code, DODAAC, SAM Extract Code, Purpose of Registration. | STRING | 1 |
| 6 | PURPOSE OF REGISTRATION<br>Z1 - Federal Assistance Awards<br>Z2 - All Awards<br>Z3 - IGT-Only<br>Z4 - Federal Assistance Awards & IGT<br>Z5 - All Awards & IGT | STRING | 2 |
| 7 | INITIAL REGISTRATION DATE | YYYYMMDD | 8 |
| 8 | EXPIRATION DATE | YYYYMMDD | 8 |
| 9 | LAST UPDATE DATE | YYYYMMDD | 8 |
| 10 | ACTIVATION DATE | YYYYMMDD | 8 |
| 11 | LEGAL BUSINESS NAME | STRING | 120 |
| 12 | DBA NAME | STRING | 120 |
| 13 | COMPANY DIVISION | STRING | 60 |
| 14 | DIVISION NUMBER | STRING | 10 |
| 15 | PHYSICAL ADDRESS LINE 1 | STRING | 150 |
| 16 | PHYSICAL ADDRESS LINE 2 | STRING | 150 |
| 17 | PHYSICAL ADDRESS CITY | STRING | 40 |
| 18 | PHYSICAL ADDRESS PROVINCE OR STATE | STRING | 55 |
| 19 | PHYSICAL ADDRESS ZIP/POSTAL CODE | STRING | 50 |
| 20 | PHYSICAL ADDRESS ZIP CODE +4 | Numeric | 4 |
| 21 | PHYSICAL ADDRESS COUNTRY CODE | STRING | 3 |
| 22 | ENTITY CONGRESSIONAL DISTRICT | Numeric | 10 |
| 23 | BUSINESS START DATE | YYYYMMDD | 8 |
| 24 | FISCAL YEAR END CLOSE DATE | MMDD | 4 |
| 25 | CORPORATE URL | STRING | 200 |

| Column Order | SAM Data Element List | Data Format | Max Length |
|---|---|---|---|
| 26 | ENTITY STRUCTURE | STRING | 2 |
| 27 | STATE OF INCORPORATION | STRING | 2 |
| 28 | COUNTRY OF INCORPORATION | STRING | 3 |
| 29 | BUSINESS TYPE COUNTER | Numeric | 4 |
| 30 | BUSINESS TYPE STRING<br>Hold the string of business type codes, the number codes corresponding to the BUSINESS TYPE COUNTER | ~ Separated | 220 |
| 31 | PRIMARY NAICS | STRING | 6 |
| 32 | NAICS CODE COUNTER | Numeric | 4 |
| 33 | NAICS CODE STRING<br>Holds the string of NAICS codes, the number of codes corresponding to the NAICS CODE COUNTER | ~ Separated | 12000 |
| 34 | PSC CODE COUNTER | Numeric | 4 |
| 35 | PSC CODE STRING<br>Holds the string of PSC codes, the number of codes corresponding to the PSC CODE COUNTER | ~ Separated | 2500 |
| 36 | CREDIT CARD USAGE | Y or N | 1 |
| 37 | CORRESPONDENCE FLAG | M, F, or E | 1 |
| 38 | MAILING ADDRESS LINE 1 | STRING | 150 |
| 39 | MAILING ADDRESS LINE 2 | STRING | 150 |
| 40 | MAILING ADDRESS CITY | STRING | 40 |
| 41 | MAILING ADDRESS ZIP/POSTAL CODE | STRING | 50 |
| 42 | MAILING ADDRESS ZIP CODE +4 | Numeric | 4 |
| 43 | MAILING ADDRESS COUNTRY | STRING | 3 |
| 44 | MAILING ADDRESS STATE OR PROVINCE | STRING | 55 |
| 45 | GOVT BUS POC FIRST NAME | STRING | 65 |
| 46 | GOVT BUS POC MIDDLE INITIAL | STRING | 3 |
| 47 | GOVT BUS POC LAST NAME | STRING | 65 |
| 48 | GOVT BUS POC TITLE | STRING | 50 |
| 49 | GOVT BUS POC ST ADD 1 | STRING | 150 |
| 50 | GOVT BUS POC ST ADD 2 | STRING | 150 |
| 51 | GOVT BUS POC CITY | STRING | 40 |
| 52 | GOVT BUS POC ZIP/POSTAL CODE | STRING | 50 |
| 53 | GOVT BUS POC ZIP CODE +4 | Numeric | 4 |
| 54 | GOVT BUS POC COUNTRY CODE | STRING | 3 |
| 55 | GOVT BUS POC STATE OR PROVINCE | STRING | 55 |
| 56 | GOVT BUS POC U.S. PHONE | Numeric | 30 |
| 57 | GOVT BUS POC U.S. PHONE EXT | STRING | 25 |
| 58 | GOVT BUS POC NON-U.S. PHONE | STRING | 30 |
| 59 | GOVT BUS POC FAX U.S. ONLY | STRING | 30 |
| 60 | GOVT BUS POC EMAIL | STRING | 80 |
| 61 | ALT GOVT BUS POC FIRST NAME | STRING | 65 |
| 62 | ALT GOVT BUS POC MIDDLE INITIAL | STRING | 3 |
| 63 | ALT GOVT BUS POC LAST NAME | STRING | 65 |
| 64 | ALT GOVT BUS POC TITLE | STRING | 50 |
| 65 | ALT GOVT BUS POC ST ADD 1 | STRING | 150 |
| 66 | ALT GOVT BUS POC ST ADD 2 | STRING | 150 |
| 67 | ALT GOVT BUS POC CITY | STRING | 40 |

| Column Order | SAM Data Element List | Data Format | Max Length |
|---|---|---|---|
| 68 | ALT GOVT BUS POC ZIP/POSTAL CODE | STRING | 50 |
| 69 | ALT GOVT BUS POC ZIP CODE +4 | Numeric | 4 |
| 70 | ALT GOVT BUS POC COUNTRY CODE | STRING | 3 |
| 71 | ALT GOVT BUS POC STATE OR PROVINCE | STRING | 55 |
| 72 | ALT GOVT BUS POC U.S. PHONE | Numeric | 30 |
| 73 | ALT GOVT BUS POC U.S. PHONE EXT | STRING | 25 |
| 74 | ALT GOVT BUS POC NON-U.S. PHONE | STRING | 30 |
| 75 | ALT GOVT BUS POC FAX U.S. ONLY | STRING | 30 |
| 76 | ALT GOVT BUS POC EMAIL | STRING | 80 |
| 77 | PAST PERF POC POC  FIRST NAME | STRING | 65 |
| 78 | PAST PERF POC POC  MIDDLE INITIAL | STRING | 3 |
| 79 | PAST PERF POC POC  LAST NAME | STRING | 65 |
| 80 | PAST PERF POC POC  TITLE | STRING | 50 |
| 81 | PAST PERF POC ST ADD 1 | STRING | 150 |
| 82 | PAST PERF POC ST ADD 2 | STRING | 150 |
| 83 | PAST PERF POC CITY | STRING | 40 |
| 84 | PAST PERF POC ZIP/POSTAL CODE | STRING | 50 |
| 85 | PAST PERF POC ZIP CODE +4 | Numeric | 4 |
| 86 | PAST PERF POC COUNTRY CODE | STRING | 3 |
| 87 | PAST PERF POC STATE OR PROVINCE | STRING | 55 |
| 88 | PAST PERF POC U.S. PHONE | Numeric | 30 |
| 89 | PAST PERF POC U.S. PHONE EXT | STRING | 25 |
| 90 | PAST PERF POC NON-U.S. PHONE | STRING | 30 |
| 91 | PAST PERF POC FAX U.S. ONLY | STRING | 30 |
| 92 | PAST PERF POC EMAIL | STRING | 80 |
| 93 | ALT PAST PERF POC FIRST NAME | STRING | 65 |
| 94 | ALT PAST PERF POC MIDDLE INITIAL | STRING | 3 |
| 95 | ALT PAST PERF POC LAST NAME | STRING | 65 |
| 96 | ALT PAST PERF POC TITLE | STRING | 50 |
| 97 | ALT PAST PERF POC ST ADD 1 | STRING | 150 |
| 98 | ALT PAST PERF POC ST ADD 2 | STRING | 150 |
| 99 | ALT PAST PERF POC CITY | STRING | 40 |
| 100 | ALT PAST PERF POC ZIP/POSTAL CODE | STRING | 50 |
| 101 | ALT PAST PERF POC ZIP CODE +4 | Numeric | 4 |
| 102 | ALT PAST PERF POC COUNTRY CODE | STRING | 3 |
| 103 | ALT PAST PERF POC STATE OR PROVINCE | STRING | 55 |
| 104 | ALT PAST PERF POC U.S. PHONE | Numeric | 30 |
| 105 | ALT PAST PERF POC U.S. PHONE EXT | STRING | 25 |
| 106 | ALT PAST PERF POC NON-U.S. PHONE | STRING | 30 |
| 107 | ALT PAST PERF POC FAX U.S. ONLY | STRING | 30 |
| 108 | ALT PAST PERF POC EMAIL | STRING | 80 |
| 109 | ELEC BUS POC FIRST NAME | STRING | 65 |
| 110 | ELEC BUS POC MIDDLE INITIAL | STRING | 3 |
| 111 | ELEC BUS POC LAST NAME | STRING | 65 |
| 112 | ELEC BUS POC TITLE | STRING | 50 |
| 113 | ELEC BUS POC ST ADD 1 | STRING | 150 |
| 114 | ELEC BUS POC ST ADD 2 | STRING | 150 |
| 115 | ELEC BUS POC CITY | STRING | 40 |

| Column Order | SAM Data Element List | Data Format | Max Length |
|---|---|---|---|
| *116* | ELEC BUS POC ZIP/POSTAL CODE | *STRING* | *50* |
| *117* | ELEC BUS POC ZIP CODE +4 | *Numeric* | *4* |
| *118* | ELEC BUS POC COUNTRY CODE | *STRING* | *3* |
| *119* | ELEC BUS POC STATE OR PROVINCE | *STRING* | *55* |
| *120* | ELEC BUS POC U.S. PHONE | *Numeric* | *30* |
| *121* | ELEC BUS POC U.S. PHONE EXT | *STRING* | *25* |
| *122* | ELEC BUS POC NON-U.S. PHONE | *STRING* | *30* |
| *123* | ELEC BUS POC FAX U.S. ONLY | *STRING* | *30* |
| *124* | ELEC BUS POC EMAIL | *STRING* | *80* |
| *125* | ALT ELEC POC BUS POC FIRST NAME | *STRING* | *65* |
| *126* | ALT ELEC POC BUS POC MIDDLE INITIAL | *STRING* | *3* |
| *127* | ALT ELEC POC BUS POC LAST NAME | *STRING* | *65* |
| *128* | ALT ELEC POC BUS POC TITLE | *STRING* | *50* |
| *129* | ALT ELEC POC BUS ST ADD 1 | *STRING* | *150* |
| *130* | ALT ELEC POC BUS ST ADD 2 | *STRING* | *150* |
| *131* | ALT ELEC POC BUS CITY | *STRING* | *40* |
| *132* | ALT ELEC POC BUS ZIP/POSTAL CODE | *STRING* | *50* |
| *133* | ALT ELEC POC BUS ZIP CODE +4 | *Numeric* | *4* |
| *134* | ALT ELEC POC BUS COUNTRY CODE | *STRING* | *3* |
| *135* | ALT ELEC POC BUS STATE OR PROVINCE | *STRING* | *55* |
| *136* | ALT ELEC POC BUS U.S. PHONE | *Numeric* | *30* |
| *137* | ALT ELEC POC BUS U.S. PHONE EXT | *STRING* | *25* |
| *138* | ALT ELEC POC BUS NON-U.S. PHONE | *STRING* | *30* |
| *139* | ALT ELEC POC BUS FAX U.S. ONLY | *STRING* | *30* |
| *140* | ALT ELEC POC BUS EMAIL | *STRING* | *80* |
| *141* | NAICS EXCEPTION COUNTER | *Numeric* | *4* |
| *142* | NAICS EXCEPTION STRING<br>Holds the string of NAICS exceptions, the number of codes corresponding to the NAICS EXCEPTION COUNTER | *~ Separated* | *1100* |
| *143* | DELINQUENT FEDERAL DEBT FLAG | *Y, N, Null* | *1* |
| *144* | EXCLUSION STATUS FLAG | *D or Null* | *1* |
| *145* | SBA BUSINESS TYPES COUNTER | *Numeric* | *4* |
| *146* | SBA BUSINESS TYPES STRING<br>Holds the string of SBA business type codes, the number of codes corresponding to the SBA BUSINESS TYPES COUNTER | *~ Separated* | *125* |
| *147* | NO PUBLIC DISPLAY FLAG | *NPDY or null* | *4* |
| *148* | DISASTER RESPONSE COUNTER | *Numeric* | *4* |
| *149* | DISASTER RESPONSE STRING<br>Holds the string of disaster response area serviced codes and area code value groups corresponding to the DISASTER RESPONSE COUNTER | *~ Separated* | *75* |
| *150* | END OF RECORD INDICATOR = "!end" | *STRING* | *4* |

All data elements will be separated with a pipe character ("|").

**File Header and Trailer**

Each file shall begin and end with the same with the same header and trailer layout as below:

**Header record layout:**

- "BOF PUBLIC "
- YYYYMMDD
- YYYYMMDD
- Record count always zeros 9999999
- Sequence number 9999999
- Example— BOF PUBLIC 20150911 20150911 0003861 0005253

**Trailer record layout:**

- "EOF PUBLIC "
- YYYYMMDD
- YYYYMMDD
- Record count always zeros 9999999
- Sequence number 9999999
- Example— EOF PUBLIC 20150911 20150911 0003861 0005253

**Repeating Field (Counter) Strings**

SAM Extracts contain several instances of counters working in relation to repeating value fields, such as Business Types, NAICS codes, and Product and Service Codes (PSCs).

The counter will read "0000" followed by an empty string if there are no codes of that type for the entity. Where the counter is 0001 or greater, the codes will be disseminated consecutively in one string with a ~ (tilde) separating each code or code group in the string.

**Business Type String**

| 29 | BUSINESS TYPE COUNTER | Numeric | 4 |
|----|------------------------|---------|---|
| 30 | BUSINESS TYPE STRING<br>Hold the string of business type codes, the number codes corresponding to the BUSINESS TYPE COUNTER | ~ Separated | 220 |

Breakdown of the string and example below:
". . . ~8W~A7~A8~. . ."

Position 1 = Business Type Code == "8W", "A7", "A8"

For a full listing of Business Type Codes, please refer to the SAM Functional Data Dictionary.

**NAICS Code String**

| 32 | NAICS CODE COUNTER | Numeric | 4 |
|----|---------------------|---------|---|
| 33 | NAICS CODE STRING<br>Holds the string of NAICS codes, the number of codes corresponding to the NAICS CODE COUNTER | ~ Separated | 12000 |

NAICS CODE STRING: Repeat X times to correspond with counter.  The letter next to the NAICS code is the Small Business indicator (Y/N/E).

Please note:  The following NAICS codes are not used for Federal procurement purposes, therefore do not have an SBA-established small business size standard. There will be no Y/N/E answer for the small business status associated with the NAICS codes below.  These NAICS codes will be sent with a blank space " " in place of the Y/N/E answer:

112130, 233110, 233210, 233220, 233310, 233320, 234110, 234120, 234910, 234920, 234930, 234990, 235110, 235210, 235310, 235410, 235420, 235430, 235510, 235520, 235610, 235710, 235810, 235910, 235920, 235930, 235940, 235950, 235990, 339111, 421110, 421120, 421130, 421140, 421210, 421220, 421310, 421320, 421330, 421390, 421410, 421420, 421430, 421440, 421450, 421460, 421490, 421510, 421520, 421610, 421620, 421690, 421710, 421720, 421730, 421740, 421810, 421820, 421830, 421840, 421850, 421860, 421910, 421920, 421930, 421940, 421990, 422110, 422120, 422130, 422210, 422310, 422320, 422330, 422340, 422410, 422420, 422430, 422440, 422450, 422460, 422470, 422480, 422490, 422510, 422520, 422590, 422610, 422690, 422710, 422720, 422810, 422820, 422910, 422920, 422930, 422940, 422950, 422990, 452110, 454110, 513111, 513112, 513120, 513210, 513220, 513310, 513321, 513322, 513330, 513340, 513390, 514110, 514120, 514191, 514199, 514210, 516110, 517211, 517212, 517310, 517510, 517910, 518111, 518112, 521110, 521110, 525930, 541120, 541710, 551114, 561310, 814110, 921110, 921120, 921130, 921140, 921150, 921190, 922110, 922120, 922130, 922140, 922150, 922160, 922190, 923110, 923120, 923130, 923140, 924110, 924120, 925110, 925120, 926110, 926120, 926130, 926140, 926150, 927110, 928110, 928120

Breakdown of the string and example below:
"… ~237990N~541340N~ …"
Position1 = NAICS Code == "237990", "541340"
Position2 = Small Business Indication == "N", "N"

## PSC Code String

| 34 | PSC CODE COUNTER | *Numeric* | *4* |
|----|------------------|-----------|-----|
| 35 | PSC CODE STRING<br>Holds the string of PSC codes, the number of codes corresponding to the PSC CODE COUNTER | *~ Separated* | *2500* |

PSC CODE STRING: Repeat X times to correspond with counter.

Breakdown of the string and example below:
"… ~Y159~Y161~Y162~Y163~Y179~Y222~Z200~Z300~ …"
Position1 = PSC Code == "Y159", "Y161", "Y162", "Y163", "Y179", "Y222", "Z200", "Z300"

## NAICS Exception String

| 141 | NAICS EXCEPTION COUNTER | *Numeric* | *4* |
|-----|-------------------------|-----------|-----|
| 142 | NAICS EXCEPTION STRING<br>Holds the string of NAICS exceptions, the number of codes corresponding to the NAICS EXCEPTION COUNTER | *~ Separated* | *1100* |

There are 12 NAICS codes with possible size exceptions.  And there are from two to four exceptions for each of these NAICS codes.  The first 6 digits (1st position) of NAICS EXCEPTIONS is the NAICS code, followed by a 'Y', 'N' or NULL in each of the next four positions. Note that in this string a NULL value is denoted by a space

rather than the word "NULL". The values of the string are outlined below within the quotation marks. Breakdown of the string and example below:

"… ~115310YN ~541330NYY ~ …"
Position1 = NAICS Code == "115310" , "541330"
Position2 = NAICS Exception 1 == "Y", "N"
Position3 = NAICS Exception 1 == "N" , "Y"
Position4 = NAICS Exception 1 == NULL " " , "Y"
Position5 = NAICS Exception 1 == NULL " " , NULL " "

The NAICS Exception string is utilized when one of the NAICS Codes in the table to the left is used. When one of these NAICS Codes is present, the NAICS String will have an "E" rather than the normal "Y" or "N" response. This is to direct the user to look at the NAICS Exception String. Every NAICS Code that has an exception has between 1 and 4 exceptions, as outlined in the table.

The first exception (1) is always the Y/N answer General Base NAICS Business Size standard. This is the Y/N answer that would have been in the NAICS String, had the NAICS not have been an Exception NAICS. The remaining exceptions are the exceptions for the specific industry sectors.

**SBA Business Types String**

| 145 | SBA BUSINESS TYPES COUNTER | Numeric | 4 |
|---|---|---|---|
| 146 | SBA BUSINESS TYPES STRING<br>Holds the string of SBA business type codes, the number of codes corresponding to the SBA BUSINESS TYPES COUNTER | ~ Separated | 125 |

SBA Certification String: Holds X program participation and expiration dates to correspond to the counter. The first 2 positions of SBA Certifications is an SBA Business Code followed by an expiration date in YYYYMMDD format.

Breakdown of the string and example below:
". . . ~A620210101~XX20210102~. . ."
Position1 = Business Type Code == "A6", "XX"
Position2 = SBA Cert Expiration Date == "20210101", "20210102"

The possible SBA Small Business types are below:

| Business Type Code | Business Type Name |
|---|---|
| A6 | SBA Certified 8A Program Participant |
| JT | SBA Certified 8A Joint Venture |
| XX | SBA Certified HUBZone Firm |

**Disaster Response String**

| 148 | DISASTER RESPONSE COUNTER | Numeric | 4 |
|---|---|---|---|
| 149 | DISASTER RESPONSE STRING<br>Holds the string of disaster response area serviced codes and area code value groups corresponding to the DISASTER RESPONSE COUNTER | ~ Separated | 75 |

The first three positions of a Disaster Response string entry represent an area serviced code, followed by an area code. State area codes are two positions, County area codes are five positions and Metropolitan Service Area codes are four positions. An area serviced code of "ANY" will not be followed by an area code.

Breakdown of the string and example below:
"CTYFL051~CTYFL085~CTYFL099~MSA2700~MSA2710~MSA8960~STAFL"

Position1 = Type Code == "CTY" , "CTY", "CTY", "MSA" , "MSA", "MSA", "STA"
Position2 = Area Code == "FL051" , "FL085" , "FL099", "2700", "2710", "8960", "FL"

CTY = County code
FL051 = Pasco
FL085 = Sarasota
FL099 = Fairfield
MSA = Metropolitan Service Area code
2700 = Fort Myers-Cape Coral, FL
2710 = Fort Pierce-Port St Lucie, FL
8960 = West Palm Beach-Boca Raton, FL
STA = State code
FL = Florida (Per STATE_List.csv)

The list of Area Serviced Codes (the first 3 fields of a Disaster response entry) are below:

| Type Code | Type Description |
|---|---|
| ANY | Any area |
| STA | State |
| CTY | County |
| MSA | Metropolitan Service Area |