SAM Entity Management Public V2 Extract Layout

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

Column Order	SAM Data Element List	Data Format	Max Length
23	PHYSICAL ADDRESS CONGRESSIONAL DISTRICT	Numeric	10
24	D&B OPEN DATA FLAG	STRING	1
25	ENTITY START DATE	YYYYMMDD	8
26	FISCAL YEAR END CLOSE DATE	MMDD	4
27	ENTITY URL	STRING	200
28	ENTITY STRUCTURE	STRING	2
29	STATE OF INCORPORATION	STRING	2
30	COUNTRY OF INCORPORATION	STRING	3
31	BUSINESS TYPE COUNTER	Numeric	4
32	BUSINESS TYPE STRING Hold the string of business type codes, the number codes corresponding to the BUSINESS TYPE COUNTER	~ Separated	220
33	PRIMARY NAICS	STRING	6
34	NAICS CODE COUNTER	Numeric	4
35	NAICS CODE STRING Holds the string of NAICS codes, the number of codes corresponding to the NAICS CODE COUNTER	~ Separated	12000
36	PSC CODE COUNTER	Numeric	4
37	PSC CODE STRING Holds the string of PSC codes, the number of codes corresponding to the PSC CODE COUNTER	~ Separated	2500
38	CREDIT CARD USAGE	Y or N	1
39	CORRESPONDENCE FLAG	M, F, or E	1
40	MAILING ADDRESS LINE 1	STRING	150
41	MAILING ADDRESS LINE 2	STRING	150
42	MAILING ADDRESS CITY	STRING	40
43	MAILING ADDRESS ZIP/POSTAL CODE	STRING	50
44	MAILING ADDRESS ZIP CODE +4	Numeric	4
45	MAILING ADDRESS COUNTRY	STRING	3
46	MAILING ADDRESS STATE OR PROVINCE	STRING	55
47	GOVT BUS POC FIRST NAME	STRING	65
48	GOVT BUS POC MIDDLE INITIAL	STRING	3
49	GOVT BUS POC LAST NAME	STRING	65
50	GOVT BUS POC TITLE	STRING	50
51	GOVT BUS POC ST ADD 1	STRING	150
52	GOVT BUS POC ST ADD 2	STRING	150
53	GOVT BUS POC CITY	STRING	40
54	GOVT BUS POC ZIP/POSTAL CODE	STRING	50
55	GOVT BUS POC ZIP CODE +4	Numeric	4
56	GOVT BUS POC COUNTRY CODE	STRING	3
57	GOVT BUS POC STATE OR PROVINCE	STRING	55
58	ALT GOVT BUS POC FIRST NAME	STRING	65
59	ALT GOVT BUS POC MIDDLE INITIAL	STRING	3
60	ALT GOVT BUS POC LAST NAME	STRING	65

Column Order	SAM Data Element List	Data Format	Max Length
61	ALT GOVT BUS POC TITLE	STRING	50
62	ALT GOVT BUS POC ST ADD 1	STRING	150
63	ALT GOVT BUS POC ST ADD 2	STRING	150
64	ALT GOVT BUS POC CITY	STRING	40
65	ALT GOVT BUS POC ZIP/POSTAL CODE	STRING	50
66	ALT GOVT BUS POC ZIP CODE +4	Numeric	4
67	ALT GOVT BUS POC COUNTRY CODE	STRING	3
68	ALT GOVT BUS POC STATE OR PROVINCE	STRING	55
69	PAST PERF POC POC FIRST NAME	STRING	65
70	PAST PERF POC POC MIDDLE INITIAL	STRING	3
71	PAST PERF POC POC LAST NAME	STRING	65
72	PAST PERF POC POC TITLE	STRING	50
73	PAST PERF POC ST ADD 1	STRING	150
74	PAST PERF POC ST ADD 2	STRING	150
75	PAST PERF POC CITY	STRING	40
76	PAST PERF POC ZIP/POSTAL CODE	STRING	50
77	PAST PERF POC ZIP CODE +4	Numeric	4
78	PAST PERF POC COUNTRY CODE	STRING	3
79	PAST PERF POC STATE OR PROVINCE	STRING	55
80	ALT PAST PERF POC FIRST NAME	STRING	65
81	ALT PAST PERF POC MIDDLE INITIAL	STRING	3
82	ALT PAST PERF POC LAST NAME	STRING	65
83	ALT PAST PERF POC TITLE	STRING	50
84	ALT PAST PERF POC ST ADD 1	STRING	150
85	ALT PAST PERF POC ST ADD 2	STRING	150
86	ALT PAST PERF POC CITY	STRING	40
87	ALT PAST PERF POC ZIP/POSTAL CODE	STRING	50
88	ALT PAST PERF POC ZIP CODE +4	Numeric	4
89	ALT PAST PERF POC COUNTRY CODE	STRING	3
90	ALT PAST PERF POC STATE OR PROVINCE	STRING	55
91	ELEC BUS POC FIRST NAME	STRING	65
92	ELEC BUS POC MIDDLE INITIAL	STRING	3
93	ELEC BUS POC LAST NAME	STRING	65
94	ELEC BUS POC TITLE	STRING	50
95	ELEC BUS POC ST ADD 1	STRING	150
96	ELEC BUS POC ST ADD 2	STRING	150
97	ELEC BUS POC CITY	STRING	40
98	ELEC BUS POC ZIP/POSTAL CODE	STRING	50
99	ELEC BUS POC ZIP CODE +4	Numeric	4
100	ELEC BUS POC COUNTRY CODE	STRING	3
101	ELEC BUS POC STATE OR PROVINCE	STRING	55
102	ALT ELEC POC BUS POC FIRST NAME	STRING	65
103	ALT ELEC POC BUS POC MIDDLE INITIAL	STRING	3

Column Order	SAM Data Element List	Data Format	Max Length
104	ALT ELEC POC BUS POC LAST NAME	STRING	65
105	ALT ELEC POC BUS POC TITLE	STRING	50
106	ALT ELEC POC BUS ST ADD 1	STRING	150
107	ALT ELEC POC BUS ST ADD 2	STRING	150
108	ALT ELEC POC BUS CITY	STRING	40
109	ALT ELEC POC BUS ZIP/POSTAL CODE	STRING	50
110	ALT ELEC POC BUS ZIP CODE +4	Numeric	4
111	ALT ELEC POC BUS COUNTRY CODE	STRING	3
112	ALT ELEC POC BUS STATE OR PROVINCE	STRING	55
113	NAICS EXCEPTION COUNTER	Numeric	4
114	NAICS EXCEPTION STRING Holds the string of NAICS exceptions, the number of codes corresponding to the NAICS EXCEPTION COUNTER	~ Separated	1100
115	DEBT SUBJECT TO OFFSET FLAG	Y, N, Null	1
116	EXCLUSION STATUS FLAG	D or Null	1
117	SBA BUSINESS TYPES COUNTER	Numeric	4
118	SBA BUSINESS TYPES STRING Holds the string of SBA business type codes, the number of codes corresponding to the SBA BUSINESS TYPES COUNTER	~ Separated	125
119	NO PUBLIC DISPLAY FLAG	NPDY or null	4
120	DISASTER RESPONSE COUNTER	Numeric	4
121	DISASTER RESPONSE STRING Holds the string of disaster response area serviced codes and area code value groups corresponding to the DISASTER RESPONSE COUNTER	~ Separated	75
122	FLEX FIELD 1	STRING	0
123	FLEX FIELD 2	STRING	0
124	FLEX FIELD 3	STRING	0
125	FLEX FIELD 4	STRING	0
126	FLEX FIELD 5	STRING	0
127	FLEX FIELD 6	STRING	0
128	FLEX FIELD 7	STRING	0
129	FLEX FIELD 8	STRING	0
130	FLEX FIELD 9	STRING	0
131	FLEX FIELD 10	STRING	0
132	FLEX FIELD 11	STRING	0
133	FLEX FIELD 12	STRING	0
134	FLEX FIELD 13	STRING	0
135	FLEX FIELD 14	STRING	0
136	FLEX FIELD 15	STRING	0
137	FLEX FIELD 16	STRING	0
138	FLEX FIELD 17	STRING	0
139	FLEX FIELD 18	STRING	0
140	FLEX FIELD 19	STRING	0
141	FLEX FIELD 20	STRING	0
142	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 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*

	NAICS CODE STRING		
33	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, 521110, 541120, 551114, 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

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 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 Holds the string of NAICS exceptions, the number of codes corresponding to the NAICS EXCEPTION COUNTER	*~ Separated*	*1100*

There are 13 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 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 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