

NCIC FPC Filing Sequence Formula

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Each code for the NCIC FPC is assigned a number of the 115 possible:

PI	=	0.1	17	=	2.9	45	=	5.7	73	=	8.5	AA	=	11.3
PM	=	0.2	18	=	3	46	=	5.8	74	=	8.6	SR	=	11.4
PO	=	0.3	19	=	3.1	47	=	5.9	75	=	8.7	XX	=	11.5
CI	=	0.4	20	=	3.2	48	=	6	76	=	8.8			
CM	=	0.5	21	=	3.3	49	=	6.1	77	=	8.9			
CO	=	0.6	22	=	3.4	50	=	6.2	78	=	9			
DI	=	0.7	23	=	3.5	51	=	6.3	79	=	9.1			
DM	=	0.8	24	=	3.6	52	=	6.4	80	=	9.2			
DO	=	0.9	25	=	3.7	53	=	6.5	81	=	9.3			
XI	=	1	26	=	3.8	54	=	6.6	82	=	9.4			
XM	=	1.1	27	=	3.9	55	=	6.7	83	=	9.5			
XO	=	1.2	28	=	4	56	=	6.8	84	=	9.6			
1	=	1.3	29	=	4.1	57	=	6.9	85	=	9.7			
2	=	1.4	30	=	4.2	58	=	7	86	=	9.8			
3	=	1.5	31	=	4.3	59	=	7.1	87	=	9.9			
4	=	1.6	32	=	4.4	60	=	7.2	88	=	10			
5	=	1.7	33	=	4.5	61	=	7.3	89	=	10.1			
6	=	1.8	34	=	4.6	62	=	7.4	90	=	10.2			
7	=	1.9	35	=	4.7	63	=	7.5	91	=	10.3			
8	=	2	36	=	4.8	64	=	7.6	92	=	10.4			
9	=	2.1	37	=	4.9	65	=	7.7	93	=	10.5			
10	=	2.2	38	=	5	66	=	7.8	94	=	10.6			
11	=	2.3	39	=	5.1	67	=	7.9	95	=	10.7			
12	=	2.4	40	=	5.2	68	=	8	96	=	10.8			
13	=	2.5	41	=	5.3	69	=	8.1	97	=	10.9			
14	=	2.6	42	=	5.4	70	=	8.2	98	=	11			
15	=	2.7	43	=	5.5	71	=	8.3	99	=	11.1			
16	=	2.8	44	=	5.6	72	=	8.4	TT	=	11.2			

The NCIC FPC contains 20 characters, each pair of characters represents one digit beginning with the right thumb as the No. 1 digit and ending with the left little finger as the No. 10 digit; the left thumb is then No. 6. For every consecutive pair of characters, one code can be assigned out of a possible 115 codes (from PI to XX). This means that there are actually only 10 individual segments for the NCIC FPC code , with each one maintaining a pair of the 20 characters to represent an individual code.

Let (X) equal the number of assigned to the NCIC FPC code.

Each of the ten segments with the exception of segment #1, must be assigned a decimal number which shall be added to the assigned number for the given NCIC FPC Code.

Digit	1	2	3	4	5	6	7	8	9
10									
Number									
Assigned	X	X.00001	X.00002	X.00003	X.00004	X.00005	X.00006	X.00007	X.00008
		X.00009							

This adding of the decimal number to the assigned number for the NCIC FPC code must be done in order to establish a unique numerical value to each segment of the ten-segment unit. Segment number 1, however, need not be assigned a decimal value because the other nine segments maintain an identity distinguishable from it. (The reason for choosing #1 segment as the one which shall not be assigned a decimal value is because #1 segment is the only segment which can provide us with the lowest possible number in the calculation if no decimal was to be added to it.) It can be noted that in this way no two or more segments can provide the same exact number. Furthermore, no two NCIC FPC codes can provide the same filing number, even if the original code appeared in a reverse sequence.

NCIC	14	XX	AA	CO	04	SR	59	TT
DM	10							
FPC								
Code								
Number	2.6	11.5	11.3	0.6	1.6	11.4	7.1	11.2
0.8	2.2							
Assigned								

To The Given

Code

Decimal 2.6 11.50001 11.30002 0.60003 1.60004 11.40005 7.10006 11.20007 0.80008
2.20009

Added To The

Assigned

Number

After the decimal number is added to the assigned number for the NCIC FPC code, multiplication takes place. That is, #1 segment times #2 segment and that product multiplied by #3 segment, and so on until #10 segment has been included in the multiplication. The end product shall provide the filing location for the given NCIC FPC code.

When there are ten segments and 115 possible codes for each segment, the total number of possible combinations is approximately 4.04557E+20 or exactly 404,555,773,570,791,015,625.

**Example: (2.6) X (11.50001) X (11.30002) X (0.60003) X (1.60004) X (11.40005) X (7.10006)
X (11.20007) X (0.80008) X (2.20009)
= 517,628.2327.**

In conclusion, the NCIC FPC code 14XXAACO04SR59TTDM10

would be filed as the 517,628.2327th code between 1.00451E-10 and 40,457,160,428.

[Click here to determine the NCIC FPC filing number.](#)

(Microsoft Excel 97 or later is required)