

ENCODE A XADDRESS BY HAND

This guide will show you step by step how to encode a Xaddress by hand, the process is not as automated as decoding because of the many options available as possible names, but it can be also done with paper and pen

Given this address:

-6.7184, 129.5080

Located in MALUKU, INDONESIA

STEP 1 - Get P1 word.

Take the last 2 digits from latitude and longitude and tagged P1

-6.71**84**, 129.50**80**

P1=8480

STEP 2 - Get N.

Take the first 2 digits after the point and tagged N

-6.**71**84, 129.**50**80

N=7150

STEP 3 - Get P2

Open the table for the country of the Xaddress, you can find all the tables in http://github.com/roberdam/Xaddress/by_hand/tables

In this case we search for the Indonesia table so we open the file ID.pdf

In the table we search for the state, in this case MALUKU and find the latitude and longitude before the dot:

-6 , 129 , we see that correspond to the number 25.

So we tagged the number 25 with P2

P2=25

Indonesia

Bali - get the first digit and search the equivalence										
1 = -8,114	2 = -8,115									
Bangka-Belitung Islands - get the first 2 digits and search their equivalence										
01 = -3,105	02 = -3,106	03 = -3,107	04 = -3,108	05 = -2,105	06 = -2,106	07 = -2,107	08 = -2,108	09 = -1,105	10 = -1,106	11 = -1,107
12 = -1,108										
Banten - get the first digit and search the equivalence										
1 = -7,105	2 = -7,106	3 = -6,105	4 = -6,106	5 = -5,105	6 = -5,106					
Central Java - get the first 2 digits and search their equivalence										
01 = -8,108	02 = -8,109	03 = -8,110	04 = -8,111	05 = -7,108	06 = -7,109	07 = -7,110	08 = -7,111	09 = -6,108	10 = -6,109	11 = -6,110
12 = -6,111	13 = -5,108	14 = -5,109	15 = -5,110	16 = -5,111						
Central Kalimantan - get the first 2 digits and search their equivalence										
01 = -3,110	02 = -3,111	03 = -3,112	04 = -3,113	05 = -3,114	06 = -3,115	07 = -2,110	08 = -2,111	09 = -2,112	10 = -2,113	11 = -2,114
12 = -2,115	13 = -1,110	14 = -1,111	15 = -1,112	16 = -1,113	17 = -1,114	18 = -1,115	19 = -0,110	20 = -0,111	21 = -0,112	22 = -0,113
23 = -0,114	24 = -0,115	25 = 0,110	26 = 0,111	27 = 0,112	28 = 0,113	29 = 0,114	30 = 0,115			
Central Sulawesi - get the first 2 digits and search their equivalence										
01 = -3,119	02 = -3,120	03 = -3,121	04 = -3,122	05 = -3,123	06 = -3,124	07 = -2,119	08 = -2,120	09 = -2,121	10 = -2,122	11 = -2,123
12 = -2,124	13 = -1,119	14 = -1,120	15 = -1,121	16 = -1,122	17 = -1,123	18 = -1,124	19 = -0,119	20 = -0,120	21 = -0,121	22 = -0,122
23 = -0,123	24 = -0,124	25 = 0,119	26 = 0,120	27 = 0,121	28 = 0,122	29 = 0,123	30 = 0,124	31 = 1,119	32 = 1,120	33 = 1,121
34 = 1,122	35 = 1,123	36 = 1,124								
Daerah Istimewa Yogyakarta - get the first digit and search the equivalence										
1 = -8,110	2 = -7,110									
Maluku - get the first 2 digits and search their equivalence										
01 = -8,125	02 = -8,126	03 = -8,127	04 = -8,128	05 = -8,129	06 = -8,130	07 = -8,131	08 = -8,132	09 = -8,133	10 = -8,134	11 = -7,125
12 = -7,126	13 = -7,127	14 = -7,128	15 = -7,129	16 = -7,130	17 = -7,131	18 = -7,132	19 = -7,133	20 = -7,134	21 = -6,125	22 = -6,126
23 = -6,127	24 = -6,128	25 = -6,129	26 = -6,130	27 = -6,131	28 = -6,132	29 = -6,133	30 = -6,134	31 = -5,125	32 = -5,126	33 = -5,127
34 = -5,128	35 = -5,129	36 = -5,130	37 = -5,131	38 = -5,132	39 = -5,133	40 = -5,134	41 = -4,125	42 = -4,126	43 = -4,127	44 = -4,128
45 = -4,129	46 = -4,130	47 = -4,131	48 = -4,132	49 = -4,133	50 = -4,134	51 = -3,125	52 = -3,126	53 = -3,127	54 = -3,128	55 = -3,129
56 = -3,130	57 = -3,131	58 = -3,132	59 = -3,133	60 = -3,134	61 = -2,125	62 = -2,126	63 = -2,127	64 = -2,128	65 = -2,129	66 = -2,130
67 = -2,131	68 = -2,132	69 = -2,133	70 = -2,134	71 = -1,125	72 = -1,126	73 = -1,127	74 = -1,128	75 = -1,129	76 = -1,130	77 = -1,131
78 = -1,132	79 = -1,133	80 = -1,134								

STEP 4 - Choose a word for P1 number

Open the archive words/en.txt if you want to create a Xaddress in English, or words/es.txt in Spanish, and search for the words that correspond to the number 8480 for P1.

In this case will be:

8480

PEARL|DISORDERLY|FILIZ|PROCASTINATION|ARPEL|YESHWANT|MASAKAZU|CHINSTRAP|KAZU
MASA|UPWORLD|BLUMEN|LEPRA|PISTAS|ATZERODT|BUTTSTOCK|JESUITICAL|MIRCHEV|CORN
UCOPIAN|PIAT|VELODROMES|

We highlight the words that we might use

STEP 5 - Choose a word for P2 number

Using the same file (en.txt or es.txt) we search all the words that match the P2 number, but because the INDONESIA table where MALAKU value is, says “get the first 2 digits” we won’t search only for the words for the number 0025 but we can choose from any set of words with the starting number, in this case 25, so we can choose any word with the numbers between 2500 and 2599, any word corresponding to any of those numbers will work.

So we have between 1000-4000 words available for P2, and because we already choose some for P1, the task is to scan for words that make sense combined with the P1 options:

PEARL

PROCASTINATION

CORN

We select a few that makes sense and matches, take notice that you can swap the order of the words to make it look coherent, so we ended up with this options:

MAGICAL PEARL

CORN PACKS

RATIONAL PROCASTINATION

We choose the word for P2: MAGICAL

STEP 5 - Write the final Xaddress

We can choose to write the Xaddress in 2 ways:

a) N P2 P1

b) P1 P2 N

We choose the first one so the final Xaddress will be:

7150 MAGICAL PEARL

Maluku, Indonesia