CHINESE NUMBERS STATIONS

Revision date: 5 April 2012

www.numbersoddities.nl

Updated: VC01, VC03, VC04, VC05, MVC03, MC03

Quite a lot of Chinese numbers stations have been active during the past few years. Some were very active and then suddenly disappeared while several others are still on the air. Here is an update with many thanks to all the people who have sent me their logs.

We know for sure that at least two of the networks are Chinese military stations, VC01 and M89. Several others probably have a military connection. V09, V22, V26, V27 and their morse sisters are believed to be security related stations.

Most of the designators were assigned to the stations by the "Enigma 2000" group and others by "Numbers & Oddities". Why? Just to make it easier to keep them apart.

Message formats - voice stations

- Callup:
"Quangou shoutingdai, Beijing hujiao" (All listening stations in the country, Beijing calling);
or "156, I am 364";
or "All listening stations in the country, I am 356".

- Null-message:
"Quangou shoutingdai" (3x), "Beijing hujiao" (2x); (5 minutes)
"Xianzai mubao" (1x)
"Zaijian" (1x)

- Message:
"Quangou shoutingdai" (3x), "Beijing hujiao" (2x); (5 minutes)
"Xianzai youbao" (there is a message)." followed by a message number (2x) and group count (2x) "Yi shi i hao bao: - (number 12), "I shi wu ge ji" (25 groups) followed by 4-figure groups. Groups are repeated. The message itself is repeated twice:
"Xing dzai chou bo dian bao" (1x) (repeat message now)
<message>
"Xing dzai chou bo dian bao" (1x) (repeat message now)
<message>
"May bao la" (1x) (end of transmission)
"Zaijian" (1x)

V09 - GUANGZHOU

Frequencies: 6798, 6885, 7750, 10500, 10750, 12012 kHz
Very active in the period 2000-2003. Last heard in September 2005

V16

From ENIGMA CONTROL LIST NUMBER 24:

"Reported in Australasia on 3/4/6/8 meg bands, no logs. Very fast speaking, each phrase ends "Oh Sie" x 2. Possibly on 13680 kHZ (under BC) only reported from monitor in Cambodia (1998). Last European log 1999 (by ML)"

V22 - BEIJING

Very active in the period 2000-2003. It is still on the air but seems to have a very limited schedule at the 2nd day of the month. Last logs are from 2 September 2009 at 0730 UTC on 17310 kHz.

V22 may have been replaced by a digital mode. A so far unid mode much like PSK-63F (BPSK 62.5 Bd) has been noted on V22's frequencies but it cannot be decoded by HAM software. The signal has been heard on: 17-8, 1300 UTC, 8375 kHz / 07-9, 0630 UTC, 17310 kHz / 25-9, 0100 UTC, 16835 kHz

Frequencies:
4760, 6355, 6465, 6468, 8375, 10200, 16520, 16540, 16835, 17310, 18020, 21386 kHz

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V25

Chinese lady. 3FG id and 4FG messages. Last time heard in May 2007.
Sister of Morse station MC01.

Samples:
017 this is 298
064 this is 315
109 this is 735
316 this is 728
781 this is 654

370 this is 138
nr 107 gr 9 8642 3668 3820 0552 9400 9558 5774 3239 0229 bye
370 this is 138
nr 109 gr 10 1068 6033 8145 7254 5835 5743 5290 7224 6366 2401 bye

Frequencies: 7570, 7865, 7911, 8195, 8870, 9239, 10019, 12877, 13029, 13210, 13260, 14525, 14860, 15753, 15754, 15959, 16572, 18649, 22305 kHz.

V26

Still an active station with various schedules a day. Possibly the same station as V27.
Voice sister of M95.

Mode	**: USB voice. Chinese/English mixture.**
Callsigns	**: XSA, XSV and XSE23.**
Frequencies	**: 4283, 7553, and 9153 kHz. It is very common for all three frequencies to be used at the same time with simulcast. Note: sometimes LSB, USB ad AM are transmitted at the same time; 4283 kHz was USB, 7553 kHz was AM, and 9153 kHz was in LSB.**

The sequence of transmission is, most often, this: It starts with the Chinese 4+4 modem in LSB, there is a variable length pause after the 4+4 stops transmitting and M95 starts, there is another variable length pause after M95 stops and the V26 starts up in USB.

Message samples:

V BNAB BNAB BNAB DE XSV XSV V BNAB BNAB BNAB DE XSV XSV
V BNAB BNAB BNAB DE XSV XSV V BNAB BNAB BNAB DE XSV XSV
V BNAB BNAB BNAB DE XSV XSV V BNAB BNAB BNAB DE XSV XSV

HR MSG TO YR NOTE CY
NR1177 60 51 1006 2156
965 605 608 007 951 601 016 965 605 700
006 608 610 020 965 605 858 857 939 614
243 615 218 616 935 617 050 625 250 626
110 928 006 811 965 605 658 633 009 246
011 635 422 637 636 614 264 615 210 748
332 342 934 344 939 539 934 533 751 855

MSG AGN NR 1177 60 51 1006 2156
965 605 608 007 951 601 016 965 605 700
006 608 610 020 965 605 858 857 939 614
243 615 218 616 935 617 050 625 250 626
110 928 006 811 965 605 658 633 009 246
011 635 422 637 636 614 264 615 210 748
332 342 934 344 939 539 934 533 751 855

HR MSG GA NR 1176 65 51 1006 1637
965 965 605 608 007 951 601 016 965 965
605 700 005 608 610 014 965 965 605 858
857 939 614 246 615 222 616 930 617 055
625 300 626 110 928 006 811 965 965 605
812 830 633 009 246 011 635 415 637 636
614 263 615 211 748 332 341 934 342 939
539 934 533 751 855

MSG AGN NR 1177 60 51 1006 2156
965 965 605 608 007 951 601 016 965 965
605 700 005 608 610 014 965 965 605 858
857 939 614 246 615 222 616 930 617 055
625 300 626 110 928 006 811 965 965 605
812 830 633 009 246 011 635 415 637 636
614 263 615 211 748 332 341 934 342 939
539 934 533 751 855

HR ZNN SK ZNN SK

End of transmission (in Chinese)

V27

Another Chinese/English mixture station. Possibly the same station as V26. Not active at the moment. Voice sister of MV27.

Callsign : 3SG
Mode : LSB voice
Frequencies : 5924, 6488, 8621 kHz

Chinese Voice stations without ENIGMA designator. N&O has assigned a code to these stations.

VC01 - CHINESE ROBOT

This station is a regular guest since at least 2000. N&O has assigned designator VC01 to this station.

Frequencies:
The first UDXF log of the Chinese Robot was on 27-3-2000.
The station changes its frequencies frequently., at least once a month.

3036, 3749, 3837, 4075, 4410, 4422, 4427, 4480, 4530, 4580, 5195, 5232, 5288, 5303, 5328, 5393, 5700, 5802, 5832, 6209, 6479, 6771, 6840, 6855, 6860, 6949, 6960, 7090, 7608, 7684, 7726, 7744, 7756, 7770, 7792, 7864, 7865, 7880, 7890, 7924, 8000, 8025, 9000, 9169, 9192, 9290, 9340, 10508 kHz.

Mode:
This is a typical SSB operation with RF carrier suppressed, notching of audio frequency from 300 to 1000Hz is clearly observed during its transmission, probably used to increase a possible DSP identification.

Sample message:

605548805760301142333	6055489470251260301142339	60554890276030114 2345
6055489470247660301142350	605548848039676030114 2358	60554880626030114 2403
6055489470247860301142407	605541547022966030114 2414	6055495470252960301142421
60554880896030114 2432	60554890246030114 2435	60554880566030114 2443

VC02 - CHINESE VOICE MORSE

This station transmits voice morse messages. So far only a male voice has been noted. He sends "dits" and "dahs". Sounds funny.

VC03 / VC04 (deleted, same as VC03)
Morse counterpart: MVC03

Another Chinese numbers station. Possibly military. Frequencies include 7821, 8043, 8073, 8189, 8263, 11186 kHz.

The station transmits 4FGs messages. Check the recordings on the N&O website. DJ was so kind to translate the recordings for me.

Recording: VC04_20110306_101618z_8189khz.mp3

… 3580 0563 0117 5068 0836 3664 148 148 044
NOTE: '148 148' near end may just be '148' repeated like the 4-fig groups.

Recording: VC04_20110427_132224Z_7821kHz.mp3

…. 2715 1400 2334 5687 0397 6063 (repeats)
2590 1129 0039 3275 0354 6600 2533 1141
616 8416 5123 3051 1233 0397 7468 2087 6999 6565 2213 0021 9352 9056 0473 0008
6489 3033 3718 (last group spoken very quickly, as if not part of message)
14 9099 1467 2170 2170 (2170 spoken 3x) 6563 0033 0305 0500 0935 0560 4092
6183 4885 9919 2933 7115 3952 6112 6566 7115 3952 6112 6566 1108 1193
(short pause)
0529 3700 0725 1161 8944 4411 6071 0512 1140 7900 (pause)
7123 9297 6616 7644 3932 6239 9011 549 9 0059 9974 3718 (spoken quickly)
('549 9' may be some sort of indicator or may just have been the operator stumbling over some numbers. '14' above may be some other 2 syllables that I just didn't get. It looks like '3718' is an end of msg indicator.)

Recording: VC04_20110519_103635z_8043khz.mp3

…. 0519 1830 34 306 27 304
3030 3533 1116 0216 0408 1706 2805 2502 1116 0706
0408 1706 6016 2401 2601 2913 0227 0303 0216 0705
0712 1909 (repeated 3x)
2709 1116 0216 0705 1511 1131 2407 0429 2423 2401
1823 2508 2402 0705 6015 3232 3030 (last 2 groups only spoken once, so it actually be '32' (repeated) '30' (repeated))
16 2422 /end of clip/

VC05 – Chinese time stamp stations

First reported in August 2011. Mode: USB. Language: Chinese (Mandarin).
Frequencies: 5449, 6326 kHz. Schedules: 0900, 1000, 1100, 1300, 1500, 1700, 1900 UTC

Remarks:

- **Female or male operator calling a four figure callsign for four minutes. At the end the actual time is mentioned. The time is given in Beijing time (UTC+8) followed by "wu shir, dzai hwei", meaning "no business, out". So when a transmission starts at 1300 UTC and the duration is 5 minutes, the time stamp will be 2105.**
- **This is no classical numbers station. This network reportedly belongs to the Chinese Air Defense.**
- **Transmissions consist of both recorded and live transmissions. Sometimes more than one pperators can be heard during one time slot.**
- **There are no voice transmissions at 1400 and 1600 UTC. An unid digital signal has been noted at these times. It is not known if that signal has anything to do with this net. The final voice transmission seems to be at 1500 UTC.**

Chinese Morse Stations

- Mode: A2A
- Cut numbers: AU34567DNT
Remark: there are no cut numbers in the header

M81

Not reported since November 2000.

Format : 40 characters p/m, 4F groups, long zero.
Frequencies : 6281, 10963 kHz

Message sample:
nr 1/2 gr 26 = =
8697 2245 3934 9898 3937 2646 8330 2676 8630 2259
8866 3524 3570 9766 4924 9470 3876 0146 4774 8924
2226 3165 8790 1775 7693 0252 = = ar

Note: M81 might even be Indian in stead of Chinese. Its behavior is very similar to the Indian naval stations.

M87

Format: 3FG call, 5FG messages. Short figures. Probably no longer active. The last logs are from 2009, always on a Friday and always id "482".

Frequencies:
6815, 6874, 7065, 7263, 7429, 7583, 7940, 8554, 8555, 8834, 8855, 9553, 9821, 9838, 9839, 9840, 9846, 9854, 10515, 10518, 11249, 12150, 12946, 12969, 12976,12995, 12996, 13000, 13024, 14666, 15883, 16410, 16418, 16419, 16420, 18797, 18806 kHz

Samples:
482 482 482 000 000
482 482 482 482 000 000
482 482 482 482 482 000 000
482 482 482 482 000 000
482 482 000 000
000

945 945 945 945 945 945 945 333
945 945 945 945 945 945 945 945 945 945 945 333
945 945 945 945 945 945 945 945 945 945 945 945 945 945 945 945 945 333
945 945 945 945 945 945 945 945 333
945 945 945 945 945 945 945 945 945 945 945 945 333
= = 36 36 50 50 = =
73a4t 3a4tn a7354 6a4ud 3nt7a 6d735 4td7u 3nt65 75d4u 5a7nd
a6ud4 nt6a7 u3nt6 dn657 ud4a5 t6a7u 6u73d u4t5a 6d34t n5ud6
3a4td a7354 354t7 d6n5u 4u5a7 d5unt 4nt67 a6u74 5anud t6ud3
7d364 6u73d ud3n5 n4t53 7ad36 d46ta 5un3n a74d6 5da4u t73an
ad5n6 d6n54 u53nn 576un ua3nt 3dn64 7u63n a76d4 d5na3 73a4t

= = = = 37 37 50 50 = =
t6a7u 6u73d u4t5a 6d34t n5ud6 73a4t 3a4tn a7354 6a4ud 3nt7a
6d735 4td7u 3nt65 75d4u 5a7nd a6ud4 nt6a7 u3nt6 dn657 ud4a5
ad5n6 d6n54 u53nt 576un ua3nt 3nt64 7u53n a76d4 d5na3 73a4t
3a4tn a7354 354t7 d6n5u 4u5u7 d5unt 4nt67 a6u74 5anud t6ut3
7d364 6u73d ud3n5 n4t63 7ad36 d46ta 5ud3n a74d6 5da4u t73at
= = 333 333 = = 36 36 50 50 = =
73a4t 3a4tn a7354 6a4ud 3nt7a 6d735 4td7u 3nt65 75d4u 5a7nd
a6ud4 nt6a7 u3nt6 dn657 ud4a5 t6a7u 6u73d u4t5a 6d34t n5ud6
3a4td a7354 354t7 d6n5u 4u5a7 d5unt 4nt67 a6u74 5anud t6ud3
7d364 6u73d ud3n5 n4t53 7ad36 d46ta 5un3n a74d6 5da4u t73an
ad5n6 d6n54 u53nn 576un ua3nt 3dn64 7u63n a76d4 d5na3 73a4t
= = = = 37 37 50 50 = =
t6a7u 6u73d u4t5a 6d34t n5ud6 73a4t 3a4tn a7354 6a4ud 3nt7a
6d735 4td7u 3nt65 75d4u 5a7nd a6ud4 nt6a7 u3nt6 dn657 ud4a5
ad5n6 d6n54 u53nt 576un ua3nt 3nt64 7u53n a76d4 d5na3 73a4t
3a4tn a7354 354t7 d6n5u 4u5u7 d5unt 4nt67 a6u74 5anud t6ut3
7d364 6u73d ud3n5 n4t63 7ad36 d46ta 5ud3n a74d6 5da4u t73at
= =
000 ttt

M89

See separate document.

M95

The ENIGMA designator was assigned on 08 Sept 2010. This station was formerly known as N&O designator MV26. M95 is the Morse sister of Chinese voice station V26.

Mode:	**Morse; hand sent.**
Frequencies:	**9153, 7553 kHz**
Transmission times:	**heard between 0800 and 1500 UTC**
Format:	**Callup and message structure varies.**
	Callup as VVV c/s DE c/s. The station sends 3FG messages.
	See also MV27
Sample:	**VVV (x2-x6) BNEC(x2-x5) BNEC de XSV70 XSV70**
	(sent as zero or oh)
	HR
	Repeats the above message

Chinese Morse stations without ENIGMA designator. N&O has assigned a code to these stations.

MC01

Callsigns : PUQ, FMC1, YCW, QYP, PYM, FUH, BSQ, BMC
Frequencies : 8338, 9238, 15840, 15960 kHz

MC02

Callsigns : BX33, BX45, BX53, BX56, BX57, BX72, BX73, BX74, BX75, BX76, BXL107 etc.
Frequencies : 7600, 7800, 8810, 10280, 10673, 15840, 15959 kHz

Samples:
vv bx33 de bx72 cl kk
vv bx33 de bx76 cl kk
vv bx33 de bx58 k vvvv
bx33 de bx48 cl k vv
vvv cq de bx33 k k
bx58 de bx33 qsa 33 ? k
rr qsa 4 kk
r qsa 3 qsa 3 znn va va
vvv bx33 de bx72 cl kk
r bx72 de bx33 qsa 33 ? k
r r r r qsa 3 qsa 3
r znn va va
rr ok va qsv vv vvv
r de r de r de r de
de bxl107 qsa 2 nil sk gb

MC03 – Chinese Air Defense

Heard on 3698, 4181, 4836, 4990, 5170, 5316, 5338, 5375, 5399, 6565, 7988 kHz. Often two frequencies in parallel.

Format:
Cut number grid tracking figures followed by a time marker in local time (UTC+8)
Teststrings + time marker: AU34567DNT TU43 (UTC+8)

Samples:
UTA7T5 D3D5A36 TA5N
UTA7T5 D3D3A6A TUTT
UTA7T5 D3D43UN TUTU
UTA7T5 DUD465N TUT3
UTA7T5 DUD4663 TUT4
UTA7T5 DUD4663 TUT6
D7A UT5DAU D6NAAD7 D77ATUT7
D7A UT5DA4 D5NA7U3 D77A TUAT
UT5DA4 D5NAD65 TUAT
UT5DA4 TUAA
UT5DA4 D5NAD34 AAU TUAA
UT5DA4 D5NAU77 TUAA
10-count string + time marker AU34567DNT UT5D (=UTC+8)

MV09 – BCN

Voice counterpart: V09 (Guanzhou)

Callsign : BCN
Frequencies : 4175, 6265, 6832, 6874, 6885, 7750, 7770 kHz
Mode : MCW

Sample:
VVV VVV VVV CQ CQ CQ DE BCN BCN BCN ZNN ZNN ZNN (R5)
rapid dots (2 seconds)
ZNN QRX SK
ZNN QRX SK

MV22 - BKG

Voice counterpart: V22 (Beijing)

Callsign: BKG

Samples:
vvv vvv vvv cq cq cq de bkg bkg bkg hr nw hr nw hr nw ar ar
vvv vvv vvv cq cq cq de bkg bkg bkg hr nw hr nw hr nw ar ar
vvv vvv vvv cq cq cq de bkg bkg bkg hr nw hr nw hr nw ar ar
vvv vvv vvv cq cq cq de bkg bkg bkg hr nw hr nw hr nw ar ar
vvv vvv vvv cq cq cq de bkg bkg bkg hr nw hr nw hr nw ar ar
vvv vvv vvv cq cq cq de bkg bkg bkg hr nw hr nw hr nw ar ar
vvv vvv vvv cq cq cq de bkg bkg bkg hr nw hr nw hr nw ar ar
vvv vvv vvv cq cq cq de bkg bkg bkg hr nw hr nw hr nw ar ar
rapid dots
hr nw nr01 nr01 38 38 = =
ut5a ut5a nn63 nn63 uuta uuta nd4t nd4t d444 d444
t465 t465 6uaa 6uaa dn65 dn65 6464 6464 433d 433d
ut74 ut74 7a6u 7a6u 33n5 33n5 33u6 33u6 u474 u474
natn natn 5ad7 5ad7 dnun dnun d736 d736 4at6 4at6
5un7 5un7 7u6u 7u6u 5t35 5t35 644t 644t 535u 535u
n3ua n3ua dnau dnau 5ttt 5ttt nua6 nua6 6uua 6uua
t5d6 t5d6 t675 t675 t7dt t7dt 7a5n 7a5n t4a7 t4a7
3t7n 3t7n 553a 553a tu3d tu3d
rapid dots
hr nw nr01 nr01 38 38 = =
ut5a ut5a nn63 nn63 uuta uuta nd4t nd4t d444 d444
t465 t465 6uaa 6uaa dn65 dn65 6464 6464 433d 433d
ut74 ut74 7a6u 7a6u 33n5 33n5 33u6 33u6 u474 u474
natn natn 5ad7 5ad7 dnun dnun d736 d736 4at6 4at6
5un7 5un7 7u6u 7u6u 5t35 5t35 644t 644t 535u 535u
n3ua n3ua dnau dnau 5ttt 5ttt nua6 nua6 6uua 6uua
t5d6 t5d6 t675 t675 t7dt t7dt 7a5n 7a5n t4a7 t4a7
3t7n 3t7n 553a 553a tu3d tu3d
rapid dots
znn qrx sk znn qrx sk

MV27
Voice counterpart: V27
Frequency: 6704 kHz.

Samples:

... tua 773 356 4t3 nn3 446 3d3
4dt 4d6 tu6 773 tu7 773 356 4t3 nn3 436
46d 3d4 4dt 4d6 tun n34 t33 773 356 37u
4t3 nn3 446 467 3d4 4dt 4d6 tuu 773 357
373 4t3 nn3 436 46d 3d4 4dt 4d5 3ud tau
iii 2p = = = =
773 353 4t3 nn3 447 46d 3d5 4dt 4d6 tan
773 tu3 773 353 4t3 nn3 446 3d3 4dt 4d6
tut 773 tua 773 356 4t3 3t3 nn4 435 466
3dt 4d6 tuu 773 tu6 773 tu7 773 356 4t3
nn3 446 477 3d4 4dt 4d6 tuu 773 357 373
4t3 nn3 446 467 3d4 4dt 4d5 734 n47 3u7
3un tau 773 353 4t3 nn3 436 46d 3d5 4dt
4d6 ta7 773 tad 773 353 4t3 nn3 446 467
-d4 4dt 4d6 tu4 773 tu5 773 357 366 4t3
nn3 446 467 3d5 4dt 4d5 tu6 773 --- ---
--- 4t3 nn3 446 4dt 4d6 tun n34 t33 773
etc.

Relevant mailing lists:

Utility DXers Forum (utility and spooks related logs)
To become a member go to http://groups.yahoo.com/group/udxf/ and follow the instructions.
Website: http://www.udxf.nl

Spooks (spooks related info and logs)
Go to the web interface http://mailman.qth.net/mailman/listinfo/spooks to subscribe. Fill in the form and follow the instructions that will be mailed to you.