t=0x8c2d420[0,0]

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voice info

- http://bb.osmocom.org/trac/changeset/999254a3a6641ea112b48c1eca65599fb9989185
- GSM 06.10 encoder/decoder http://www.guut.com/gsm/

```
1297284215 <Fatuo!~n0p@79.198.19.95.dynamic.jazztel.es> I have a question about burst_ind branch @1297284218 <mkf00!~mkf00@85-127-108-141.dynamic.xdsl-line.inode.at> hallo @1297284279 <Fatuo!~n0p@79.198.19.95.dynamic.jazztel.es> In l1ctl_burst_ind I understand that the @1297284286 <Fatuo!~n0p@79.198.19.95.dynamic.jazztel.es> is this correct? @1297284318 <Fatuo!~n0p@79.198.19.95.dynamic.jazztel.es> this is because I think that both must b @1297284347 <Fatuo!~n0p@79.198.19.95.dynamic.jazztel.es> tnt? @1297284376 <tnt!~tnt@mojito.smartwebsearching.be> no it's not correct @1297284389 <Fatuo!~n0p@79.198.19.95.dynamic.jazztel.es> uhm! @1297284391 <tnt!~tnt@mojito.smartwebsearching.be> the two stealing bits are at the end, the DSP @1297284439 <Fatuo!~n0p@79.198.19.95.dynamic.jazztel.es> both are together? @1297284440 <tnt!~tnt@mojito.smartwebsearching.be> On the air you are correct they're in the midd @1297284538 <Fatuo!~n0p@79.198.19.95.dynamic.jazztel.es> from my code: @1297284542 <Fatuo!~n0p@79.198.19.95.dynamic.jazztel.es> from my code: @1297284542 <Fatuo!~n0p@79.198.19.95.dynamic.jazztel.es> <0001> layer3.c:418 LEO BURST: 58 93 b5
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@1297284605 <Fatuo!~n0p@79.198.19.95.dynamic.jazztel.es> we don't need the first 4 bits
@1297284618 <Fatuo!~n0p@79.198.19.95.dynamic.jazztel.es> but the next one is 1
@1297284633 <Fatuo!~nOp@79.198.19.95.dynamic.jazztel.es> only one stealing bit filled?
@1297284671 <Fatuo!~n0p@79.198.19.95.dynamic.jazztel.es> only one stealing bit with 1?
@1297284908 <tnt!~tnt@mojito.smartwebsearching.be> Fatuo: yup. so ?
@1297284945 <Fatuo!~n0p@79.198.19.95.dynamic.jazztel.es> I thought that both must be the same....
@1297284983 <Fatuo!~n0p@79.198.19.95.dynamic.jazztel.es> Can be FACCH and voice/data in the same
@1297285078 <tnt!~tnt@mojito.smartwebsearching.be> well, you think wrong :)
@1297285108 <Fatuo!~n0p@79.198.19.95.dynamic.jazztel.es> oh
@1297285111 <Fatuo!~n0p@79.198.19.95.dynamic.jazztel.es> tanks :)
@1297285111 <tnt!~tnt@mojito.smartwebsearching.be> you need to re-read GSM 05.03. TCH has diagonal
@1297285148 <Fatuo!~n0p@79.198.19.95.dynamic.jazztel.es> ok, i will do right now, thanks a lot
@1297285149 <tnt!~tnt@mojito.smartwebsearching.be> so the 4 * 114 bits are split into 8 half burs
@1297285247 <Fatuo!~n0p@79.198.19.95.dynamic.jazztel.es> I see
@1297285275 <Fatuo!~n0p@79.198.19.95.dynamic.jazztel.es> I'll go re-reading that doc
@1297285277 <Fatuo!~n0p@79.198.19.95.dynamic.jazztel.es> bye
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http://git.osmocom.org/gitweb?p=gapk.git;a=summary

A5/1

- http://reflextor.com/trac/a51/browser/tinkering
- http://opensource.srlabs.de/projects/a51-decrypt/files

git clone git://git.srlabs.de/kraken

13:35 < xorAxAx > [17:19] yeah

- http://srlabs.de/research/decrypting_gsm/
- http://srlabs.de/uncategorized/airprobe-how-to/

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13:35 < tomash2> [Thu 13:56] Hi
13:35 < tomash2> [Thu 13:58] When receiving bursts via sylvain/burst_ind, is the frame number for
13:35 < tomash2> [Thu 13:59] Assembled packets appear to be on differrent channel that uplink one
13:35 < tomash2> [Thu 14:01] It works to do fn=fn-15 for unencrypted packets, but not for encrypt
13:35 < tomash2> [Thu 14:01] So how to get correct fn for uplink bursts?
13:35 < tnt> [Thu 14:06] the fn is correct, your code is wrong obviously \dots
13:35 < tomash2> [Thu 14:08] Strange, downlink decrypting works, and I do uplink the same way...
13:35 < tomash2> [Thu 14:08] Thakns, I'll go to search for the bug...
13:35 < tnt> [Thu 14:10] ... then that's your problem.
13:35 < tnt> [Thu 14:10] uplink is _not_ same as downlink
13:35 < tnt> [Thu 14:10] the first 116 bits of A5 is for DL, then you need the 116 after that for
13:35 < tomash2> [17:11] tnt: And these second 116 bits are computed from Kc and fn the same way
13:35 < tnt> [17:13] yup
13:35 < tnt> [17:13] 114 not 116 btw
13:35 < tnt> [17:13] stealing bits aren't ciphered
13:35 < tnt> [17:13] (afair)
13:35 < tomash2> [17:14] tnt: That's what I'm doing. But it is not working for uplink
13:35 < tnt> [17:15] well you're doing it wrong :)
13:35 < tomash2> [17:16] tnt: maybe :-)
13:35 < tnt> [17:16] your a5 keystream genreator should generate 228 bits of outpout per frame, t
13:35 < tomash2> [17:17] tnt: huh
13:35 < tnt> [17:17] That's what I told you above:
13:35 < \text{tnt} > [17:17] 14:10 < \text{tnt} > \text{the first } 116 \text{ bits of A5 is for DL, then you need the } 116 \text{ after } 116 \text{ bits of A5} 
13:35 < tomash2> [17:17] so uplink bits are _not_ computed from fn of the uplink burst?
13:35 < tnt> [17:18] ... of course they are
13:35 < xorAxAx> [17:18] frame count!
13:35 < tnt> [17:19] xorAxAx: frame count is just another representation of fn ... (how to feed t
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13:35 < tnt> [17:20] tomash2: for SDCCH the UL and DL are in different frame, so you would only u

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13:35 < tnt> [17:21] but it doesn't matter ... UL is always the second and you _have_ to compute 13:35 < tomash2> [17:22] tnt: I'm talking about SDCCH all the time, I didn't try TCH yet... 13:35 < tnt> [17:22] and as I said : It doesn't matter ... 13:35 <Bassam> Hi. 13:35 <Bassam> What is the relation between the frame numbers in both the UL and DL stages in the
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Neo

• http://www.steve-m.de/projects/osmocom/0001-for-testing-add-TX-support-for-gta0x-devices.patch

BTS

http://www.246tnt.com/gsm/rx_filter.html