

NAME

`gsm_print` -- GSM 06.10 supplementary function for debugging

SYNOPSIS

```
#include "gsm.h" #include <stdio.h>
```

```
int gsm_print(f, g, frame);  
FILE * f;  
gsm g;  
gsm_frame frame;
```

DESCRIPTION

Gsm is an implementation of the final draft GSM 06.10 standard for full-rate speech transcoding, a lossy speech compression algorithm. The compressed form involves 76 variables with different numbers of significant bits packed into 33 bytes.

If you are interested in investigating the details of this coding scheme, `gsm_print()` can be used to dump the contents of individual `gsm_frames` to a file pointer provided by the application.

RETURN VALUE

`gsm_print()` returns -1 if the frame is invalid, else 0.

EXAMPLE

A single frame looks like this:

```
LARc: 29 32 20 11 08 05 06 07  
#1:  Nc 0040  bc 0  Mc 1  xmaxc 60  
    06 04 00 03 03 06 04 02 02 04 05 04 01  
#2:  Nc 0045  bc 1  Mc 1  xmaxc 48  
    03 07 01 03 04 04 07 01 03 02 04 05 03  
#3:  Nc 0091  bc 1  Mc 1  xmaxc 46  
    00 03 03 07 01 06 02 04 05 03 03 02 04  
#4:  Nc 0120  bc 0  Mc 1  xmaxc 47  
    07 03 06 00 03 03 06 05 00 03 02 07 04
```

BUGS

Please direct bug reports to jutta@pobox.com and cabo@tzi.org.

SEE ALSO

`gsm(3)`, `gsm_explode(3)`