

[LICF Releases](#) >

## LICF Release 1-1221

### Release Date

2013-05-21

### Highlight

- GSM format on archive files
- Mid call recording
- UI support for post conversion for html5 needs.

### Resolved Issues

Issue #	Issue Type	Descriptions
NS005100	Feature	On-demand call recording
NS007018	Feature	On demand call record
NS008707	Feature	Convert recorded file to GSM 6.10 format
NS008714	Feature	Star Codes for Recording On/Off

### Compatibilities

Modules	Compatible Versions
LICF	1-1221
NMC	1-1221
Vocode	1-1221
LICF_UI	1-1221
NMS	1-1221
Enotify	1-1206b
agent	1213.*.*

### Database Changes

Table	Fields	Descriptions
`LicfDomain`.status`	cntCdcRecordStart`	To count CDC message "RecordStart"

### Changes

#### LICF CPP Code

Issue #	Descriptions
(1-1221x9)	Added CDC message "RecordStart" to support mid call recording by NMS
(1-1221x9)	Added statistic for count CDC message "RecordStart"

#### NMC CPP Code

Issue #	Descriptions
NS008707	(1-1221x1) Added system parameter "2ndConversion" to define a 2nd Stage Conversion, e.g. for GSM 6.10 "ffmpeg -i <INPUT> -acodec libgsm_ms -y -ab 13K <OUTPUT>" Where <INPUT> and <OUTPUT> will be replaced by NMC with the appropriate filename
	(1-1221x2) if "MergeToMono"="yes", add the "mono" option to vocode, to create a mono (instead of stereo) wave file. Some codec for the 2nd stage conversion e.g. GSM 6.10, will fail if its input (i.e out put from vocode is stereo) 1-1221x1 version of hard coded to force mono if there is a 2nd stage conversion. and this tweak make that an option.
(1-1221x2)	to set the suffix of the final output file....somehow ffmpeg for GSM 6.10 will fail if the suffix is ".gsm" and so far I can only make it work by specifying ".wav"

#### Vocode CPP Code

Issue #	Descriptions
NS008707	(1-1221x1) Added "mono" option for merging 2 files

## UI Code

Issue #	Descriptions
(1-1221x9)	Added statistic for count CDC message "RecordStart"
(1-1221x9)	Added `cntCdcRecordStart` to `LiCfDomain`.`status` to System Update
(1-1221x10)	Correct Refresh in LiCf Parameters page
(1-1221x10)	Added Parameter filter to LiCf Parameters page
(1-1221x10)	Correct Refresh in NMC Parameters page
(1-1221x10)	Added Parameter filter to NMC Parameters page
(1-1221x10)	Correct NMC Event Purge
(1-1221x11)	Add maintenance of vocode upload, static link and purge
(1-1221x12)	Check `from_ip` for login
	Added System Update To 1-1221 <ul style="list-style-type: none"> <li>Added `cntCdcRecordStart` to `LiCfDomain`.`status`</li> </ul>

## Upgrade Procedures

**ffmpeg or avconv are not available from yum install on Fedora 12/10, so Ubuntu 10 or later is required for full functionality from this release**

- "Upload UI" LiCf\_UI\_1-1221.tar.gz
- "Code Select" UI "LiCf\_UI\_1-1221"
- From tac login apply "System Update" - "To 1-1221"
- "Upload Code" licf-1-1221-u10\_64.tar.gz
- "Code Select" Code "licf-1-1221-u10\_64"
- "Upload Code" nmc-1-1221-u10\_64.tar.gz
- "Code Select" Code "nmc-1-1221-u10\_64"
- "Upload Code" vocode-1-1221-u10\_64.tar.gz
- "Code Select" Code "vocode-1-1221-u10\_64"
- System > Backup and Restore > Code Select
  - Click "Change"
  - Select
    - LiCf Filename: **licf-1-1221-u10\_64**
    - Media Converter Filename: **nmc-1-1221-u10\_64**
    - Vocode Filename: **vocode-1-1221-u10\_64**
    - UI Filename: **LiCf\_UI\_1-1221**
  - Click "Apply"
- Verify the static link at
  - /usr/local/NetSapiens/LiCf/recordings/vocode -> ../bin/vocode
  - correct if necessary