**LABEL –VOLTE\_DAEMON\_REL\_1\_3\_0**

**Release Version:**

DM DAEMON Version: 3. 1.0

NIL Server version: 1.6.0

DM Library Version: 1.6.0

Note: - DM Library will not be supported in future release .

**New Feature Added**

* Flags added (GSM\_ENABLE, WDCMA\_ENABLE,LTE\_ENABLE) in DM Library, DM\_DAEMON and NilServer.
* NilServer for Linux 64-bit machine.
* DM\_Daemon request for message ASN decoding accomplished and result buffer is sent on bulk socket.

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| **How to enable flags on NilServer.**  Add desired flags (GSM\_ENABLE,WDCMA\_ENABLE,LTE\_ENABLE) in make.opt file's COMPILEROPT .  For example  COMPILEROPT += -DLTE\_ENABLED -DGSM\_ENABLED -DWCDMA\_ENABLED.  **How to enable flags on DMlibrary and DM\_Daemon.**  Add desired flags(GSM\_ENABLE,WDCMA\_ENABLE,LTE\_ENABLE) in  Android.mk file's LOCAL\_CFLAGS  For example  LOCAL\_CFLAGS+= -DGSM\_ENABLE -DWCDMA\_ENABLE -DLTE\_ENABLE  **How to enable 64 bit compilation**  For 64bit compilation , go to make.opt file and perform following  #export LINUX64 : =  export LINUX64 := 1  For 32 bit compilation  export LINUX64 :=  #export LINUX64 := 1 |  |

**Release Notes**

**LABEL –VOLTE\_DEAMON\_REL\_1\_2\_0**

**Release Version:**

DM DEAMON Version: 3. 0.1

NIL Server version: 1.5.0

DM Library Version: 1.5.2

Note: - DM Library will not be supported in future release .

**New Feature Added**

* ASN Decode – WCDMA , LTE , CSN Message on Mobile Phone
* Modification for Proto Interface Done for Providing event based information for
  + LTE Cell Info
  + GSM Cell Info
  + WCDMA Cell Info

**JIRA and Internal Issued Resolved**

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| **Issue Resolved** | **Problem Resolution** |
| **NLINFO-42** | Memory Corruption at DM , leading to incorrect data generation at Server , Server Crashes |
| **NLINFO-42** | Logging via Multiple Thread was implemented without Lock – this lead to crashes due to non-availability of file pointer |
| **NLINFO-42** | DM Library memory corruption resolved, as path for log and output file was earlier 100 character and extended to 350 character. |
| **Internal Issue** | Message Queue Problem with large Number of File. File move to Incoming folder whereas information was not reach as queue got full |
| **Internal Issue** | Valrand and DWALL Fixes to improve server stability |
| **Internal Issue** | While reading the file from Server , it was not pickup orderly. Due to same , main thread was not able to provide all file to child thread for Processing Purpose. |

/\*\*\*\*\*\*\*\*\*\*DM Config path specification \*\*\*\*\*\*\*\*\*\*\*\*/

1>. The number of character in config file's Path and LOG parameter should not be greater than 350 characters otherwise DM exit.

Ex: - "Android/data/com.nil.android.ssd/files/ssd/SSD354905055931820\_1375681659365/st/dmLog/" size increased at most 350 characters.

2>. Each path must terminate with "/" otherwise DM exit.

Ex: - "Android/data/com.nil.android.ssd/files/ssd/SSD354905055931820\_1375681659365/st/dmLog" not valid, DM exit.

3>. Complete path size of .txt or .dlf or Log file should not be greater than 500 characters otherwise DM exit.

Ex: - /mnt/sdcard/Android/data/com.nil.android.ssd/files/ssd/SSD354905055931820\_1375681659365/st/dmLog/A0123456789B0123456789C0123456789D0123456789E0123456789F0123456789G0123456789H0123456789I0123456789J0123456789K0123456789L0123456789M0123456789N0123456789O01234\_Test001\_018$.txt. This filename size increased at most 550 characters.

4>. int set\_GUIDInformation (char \*guidInfo,int guidInfolen);

Guide info length should not be greater than 50 otherwise return -1;

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**Release Notes**

**LABEL – VoLTE\_REL\_1\_1\_0**

**Release Version:**

**DM Library Version: 3.0.0**

**NIL Server version: 1.3.0**

**Overview**

This release includes development at UE side of a library (VoLTE Library) as per the VoLTE KPI SOW.

**Delivery Content**

**DM Daemon Process Implementation with following additional:**

* Update in Interface definition for volte KPI activation as well as KPI Information.
  + Communication over the TCP based Socket Only
* Implementation of PCAP library with capability for user defined capture, volte, RTP and SIP only.
* Hash Table Implementation for Storage of SIP messages ( Instead of sql database)
  + Hash table with capabilities for storing multiple type of data type
  + Provide Key for fetch record from hash table
  + Clear the hash table in memory database
* Asynchronous Event Notification for SIP message

**Existing Functionality for DM Daemon Process**

* DM Daemon Process Implementation as per changed request
* Proto Interface Implementation with application
* GSM Logging as per KPI definition
* WCDMA Logging as per KPI definition
* LTE Logging as per KPI definition
* Lte Band Locking
* WCDMA Frequency Logging
* DLF Logging implementation(GSM,WCDMA and LTE)
* GPS Log file generation as .axf file.

**Feature Remaining on VoLTE DM Daemon**

* Porting of WCDMA , LTE and GSM NAS messages on DM Daemon
* Bulk Socket Interface for Fetching SIP message from DM Daemon