

Release Notes for MAPS™ SIP version 22.6.14 and MAPS™ SIP HD version 22.7.8

MAPS™ Protocol-Specific Enhancements	
Reason for Release / Description of Enhancement	Version
MAPS™ SIP HD Enhancements: <ul style="list-style-type: none">• Package built on VS2019• Includes MAPS™ GUI and framework updates• Includes fixes and updates to handle Codec Mode Request (CMR) feature for EVS codec Bug Fixes: <ul style="list-style-type: none">• Includes script and RTP core fixes to handle CMR for EVS codec• Includes script bug fixes to handle RTP media over regular NIC and HD interface	22.7.8
MAPS™ SIP Enhancements: <ul style="list-style-type: none">• Package built on VS2019• Includes MAPS™ GUI and framework updates• Includes fixes and updates to handle Codec Mode Request (CMR) feature for EVS codec Bug Fixes: <ul style="list-style-type: none">• Includes script and RTP core fixes to handle CMR for EVS codec• Includes script bug fixes to handle RTP media over regular NIC and HD interface	22.6.14
MAPS™ SIP HD Enhancements: <ul style="list-style-type: none">• Package built on VS2019• Includes MAPS™ GUI and framework updates• Added a feature to automate subscribe transaction upon successful UserAgent registration• Includes configuration option to define SUBSCRIBE event package in UserAgent_Profiles.xml• Included test bed configuration to select RTP emulation over system NIC or HD interface Bug Fixes: <ul style="list-style-type: none">• Includes fix for issues observed in emulating calls using csv profile• Fix to handle mid call authentication or authorization challenges at UAC or UAS• Fix to handle re-registration when TCP connection is down• Includes MAPS™ core and SIP parser fixes for intermittent crashes	22.5.13

MAPS™ SIP Enhancements: <ul style="list-style-type: none">• Package built on VS2019• Includes MAPS™ GUI and framework updates• Added a feature to automate subscribe transaction upon successful UserAgent registration• Includes configuration option to define SUBSCRIBE event package in UserAgent_Profiles.xml• Python APIs are updated to support T.38 fax emulation and fax tone negotiation in CLI mode• Python APIs are updated to apply RTP impairment in run-time through CLI mode• Added CLIAutoStartCall feature to initiate automated call from CLI• Added new Python API to override SDP Address from CLI Bug Fixes: <ul style="list-style-type: none">• Includes fix for issues observed in emulating calls using csv profile• Fix to handle mid call authentication or authorization challenges at UAC or UAS• Includes fixes for MSRP calls over IPv6 and failure in MSRP chunking• Fix to handle re-registration when TCP connection is down• Fix for T.38 fax rate fall back issue reported by customer• Includes fixes for sms call message fragmentation when message character exceeds character limit• SMS call related message templates (HDL files) corrected to have proper extension bit• Includes MAPS core fixes for sms call. (SIP over ISUP)• Includes MAPS core and SIP parser fixes for intermittent crashes• JAVA Client jar file corrected to include security patch for log4j package	22.3.30
MAPS™ SIP Enhancements: <ul style="list-style-type: none">• Package built on VS2019• Added a feature to playback music on call hold. Provided an option in profile to enable or disable Music on Call Hold• Added a feature to insert custom SIP headers. Provided option in profile to enable/disable this feature and define the list of headers to be inserted• Per call RTP Statistics log is enhanced to include call detail record information	20.11.12
MAPS™ SIP HD <ul style="list-style-type: none">• Package built on VS2019• Support for Warranty License• New Security features with software licensing• Includes MAPS™ GUI and framework updates	20.8.28

MAPS™ SIP and MAPS™ SIP HD Enhancements: <ul style="list-style-type: none">• Package built on VS2019• Added Attended Call Transfer feature• Application enhanced to configure MSRP message rate distribution (number of messages per second) for specified load distribution duration uniquely for every MSRP session• Includes enhancements made to test IVR servers. IVR_SpeechToText traffic type option is provided to test IVR servers using Speech To Text application• Added out of dialog UPDATE, INFO, REFER and NOTIFY transaction capability• Added Early UPDATE transaction feature for SIP calls• RTP HD load capability is improved to achieve up to 32000 endpoints per appliance (4x1 Gbps NIC) i.e., 8000 simultaneous calls with duplex traffic per port Bug Fixes: <ul style="list-style-type: none">• Fixed issues in call transfer and redirect call• Includes fixes made for TLS packet fragmentation• Parser fix for FROM and MSRP_Response headers• Record file name conflict corrected for simultaneous calls• Fixed Call hold handling when mode = inactive• MSRP calls are fixed to handle error responses• Minor tweaks to configurations and scripts to handle load test issues• Includes fixes to handle 401 REFER for in dialog Refer transaction	20.6.10
MAPS™ SIP <ul style="list-style-type: none">• Supports SMS call over IMS network using MESSAGE method with binary information• Supports MSRP Heartbeat feature for MSRP calls or IM sessions• MSRP message content can be filled in run-time from a pre-defined input template• Load generation is updated to include Idle time during load distributions• In CLI mode, client can insert multiple SIP headers in run-time• Built in scripts is provided to perform iterative VQT tests and build Call Detail Records to fill into GL's NetSurveyor™ Bug Fixes: <ul style="list-style-type: none">• Bug fixed for MSRP where MessageId was exceeding 32-character length• Other minor bug fixes	19.11.12
MAPS™ SIP <ul style="list-style-type: none">• In CLI Mode,<ul style="list-style-type: none">➢ Python APIs are enhanced to support both version 2 and 3➢ Python APIs are enhanced to support MSRP sessions➢ Python APIs are enhanced to support Load Generation and track Call Statistics• EVS codec is enhanced to operate in AMR-WB IO mode• Profile editor is enhanced to reduce profile memory size and optimize the profile load time when hundreds of users are configured• New feature enhancement for MSRP sessions to insert real-time date and timestamp in transmitted message content• Enhanced to support end user configuration profile in csv format Bug Fixes: <ul style="list-style-type: none">• EVS codec bug fixes for CMR (Codec Mode Request) and compact format• Bug fix for proxy authentication of in-dialog transactions• Load performance improvement and other minor bug fixes	19.7.4

MAPS™ SIP Emulator <ul style="list-style-type: none">• For CLI mode, added new python API's to support modifying SDP attributes and to insert SIP headers in run-time• Enhanced to support Late SDP negotiation call scenarios• Modify SIP session using UPDATE method• Call Hold Retrieve using UPDATE method• Send digit information through INFO and NOTIFY method• Option to log per call RTP statistics to csv log file• RTP core updated with new fax library• Other minor bug fixes	8.10.15
MAPS™ SIP Enhancements: <ul style="list-style-type: none">• Enhanced with MSRP protocol emulation for supporting session based instant messaging capability over SIP sessions.• MAPS™ SIP JAVA and Python clients are supported over Linux platform Bug Fixes: <ul style="list-style-type: none">• MAPS™ fixes to report OnTime and OffTime for tone detection• TCP transport handler is corrected to fix issues with bulk calls• Tested with GL Ldk License version 18.4.17• Other minor bug fixes	8.4.20
MAPS™ SIP <ul style="list-style-type: none">• Supports software license feature• User option to configure Jitter buffer for RTP• MAPS™CLI: Client ID is provided in CLI server response Bug fixes: <ul style="list-style-type: none">• Fix to handle TCP connection down for an active call• Send silence failure for digits traffic action for long duration calls	8.2.22

MAPS™ SIP <ul style="list-style-type: none">• Supports silence generation when call is idle• Supports Channel Aware mode feature for EVS codec• Supports RTP statistics for EVS and OPUS codec• Script bug fixes provided for<ul style="list-style-type: none">➢ TCP connection down issue for persistent TCP connections➢ Subscribe-Notify procedure➢ Handle OPTIONS method: User can configure the OPTIONS target and OPTIONS timer➢ Option to configure local call duration and call answer time per user agent• Other Bug fixes<ul style="list-style-type: none">➢ RTP Statistics fix: Transmitted packet count will be updated even when stream does not receive any packets➢ Call-Info header parser fix➢ Absolute value utility function in gls scripts	7.10.17
MAPS™ SIP HD <ul style="list-style-type: none">• Supports different traffic options across simultaneous calls• Auto Call Rejection option is enabled• Other minor bug fixes <p>For Internal Reference:</p> <ul style="list-style-type: none">• Signaling scripts and profiles are integrated as per normal SIP ver 7.5.4	7.6.29
MAPS™ SIP Emulator <ul style="list-style-type: none">• Enhancement to support OPUS codec• JAVA and Python Client API's are updated to get expected and received payload information• CLI API updates to fix the bugs• Supports different traffic options across simultaneous calls• Provided an option to enable or disable DSCP• Re-Invite user event is provided to update an established session• Auto Call Rejection option is enabled• Other minor bug fixes• Installation upgraded to x64-bit	7.5.4
MAPS™ SIP Conformance <ul style="list-style-type: none">• Installation upgraded to x64-bit	7.3.22
MAPS™ SIP <ul style="list-style-type: none">• Enhanced with 64bit RTP• T38 Fax simulation is supported• TLS and SRTP is supported• EVS Codec is supported (Only Primary Mode)• Java and Python CLI API's are included	6.12.21
MAPS™ SIP-HD <ul style="list-style-type: none">• Supports both Normal RTP and HD RTP Traffic Generation• HD Configurations in Test Bed setup are simplified: The system automatically detects the IP address of the RTP cores, user need not provide IP Address for RTP Cores• Detailed RTP Statistics are available now under User Defined Statistics: RTP Stats Display script is included which will query RTP Core for QueryStatsTimer and reports in User-defined Statistics window	6.4.22