3GPP XML Gateway Distribution Note

Date: 28 November 2008

1. Associated Documents

The following documentation accompanies this release:

1.1 Referenced Documents

Document Name	Document Description
[Gateway Framework Distribution Note]	This document provides an overview of the release history of the Gateway Framework.
3GPP XML Gateway User Guide	3GPP XML Gateway User Guide. Contains all vendor specific information.

2. Introduction

You should read this Distribution Note before proceeding to install the 3GPP XML Gateway, which is referred to as the Vendor Gateway.

This Distribution Note provides an overview of the release history of this Gateway.

3. Operating system support

The Vendor Gateway is built using the generic Gateway Framework. The Vendor Gateway is currently supported on the platforms as in the Gateway Framework Distribution Note.

4. Perl Version

The Vendor Gateway supports Perl version 5.6.1.

5. Gateway Framework

The Vendor Gateway requires the Gateway Framework release 3.4.0 and above.

See [Gateway Framework Distribution Note].

The Gateway Framework and Vendor Gateway release and installation have been decoupled into separate packages and procedures.

See [Install Note].

6. Release History

6.1 Release 3.4.3

Release date: 28 November 2008

Listed below are the bugs fixed in this release.

Bug#	Description
valnt00064318	Enhancement for XML 3GPP to support feature to output the attributes of a user specified element
valnt00064317	3GPP XML gateway is output attributes of elements configured as XML_UNIQUE_PIF_BLOCK_ELEMENT_NAME

6.2 Release 3.4.2

Release date: 09 September 2008

Listed below are the bugs fixed in this release.

Bug#	Description
valnt00052999	Duplicate tokens for text values within XML tags are overwritten.

6.3 Release 3.4.1

Release date: 24 June 2008

Listed below are the bugs fixed in this release.

Bug#	Description
59249	3GPP XML parser does not produce correct values for xml tag attributes with square bracket characters
59250	3GPP XML parser does not handle xml tag values with multiple double quoted strings

6.4 Release 3.4.0

Release Date: 30 January 2008

Listed below are the enhancements for this release.

#	Description
1	Support for Gateway Framework 3.4.0

6.5 Release 3.3.1

Release Date 1 November, 2007.

Listed below are the enhancements for this release.

#	Description
1	Include modules directory for Vendor Gateways
2	Include logarithm and dBm calculation for weighted average.

Note:

The VENDOR_GATEWAY environment variable must be set to include the modules directory in the path before running Gateway, e.g.:

```
VENDOR_GATEWAY=${GATEWAY_ROOT}/modules/3gpp-xml
```

6.6 Release 3.3.0

Release Date 17 July, 2007.

Listed below are the enhancements for this release.

#	Description
1	Bluewash

Listed below is a summary of the bug fixes and enhancements in this release.

Bug#	Description
57102	Fields defined in XML_HEADER_INFO_FOR_PIF_FILENAME are out order in pif filename
56210	Unable to produce counter names for moid when empty spaces present in moid entry
55994	Hard coded limit to the number of elements in the Block Name
55337	3GPP XML Gateway User Guide - Typos

6.7 Release 3.2.0

Release Date 2 May, 2006

Listed below is a summary of the bug fixes and enhancements in this release.

Bug#	Description
54949	Wrap XML parse in Perl eval function

Listed below are the enhancements to be included in this release.

#	Description
1	Ericsson UTRAN P4 data support
2	DDM_MANIP enhancement of new components: WEIGHTED_AVG and REFERENCE
3	Enhanced Post Parser rule: FILE_SPLIT_BY_COUNTER

6.8 Release 3.1.0

Release Date 14 October, 2005

Listed below is a summary of the bug fixes and enhancements in this release.

Bug#	Description
50504	Gateway Problem - Too many open files
50747	ERROR attempt to close file which has not been opened
47824	PIF blocks cannot be specified by moid-nedn combination

Listed below are the enhancements to be included in this release.

#	Description
1	3GPP XML engine – re-factored to improve performance. Now uses XML::Parser package.

| 2 | Linux support |
| 3 | Support for compressed files. |

6.9 Release 3.0.1

Release Date 22 Feb, 2005

Listed below are the enhancements to be included in this release.

Bug#	Description
46803	Motorola UTRAN Tech Pack support.
47189	Ericsson UTRAN Tech Pack support.
47473	Counter value processing to separate counter ID and counter name for Alcatel UTRAN RNC's.

6.10 Release 3.0.0

Release Date 5 October, 2004

Listed below is a summary of the bug fixes and enhancements in this release.

Bug#	Description
38176	Block name is now populated in the output filename correctly when it is configured in ADD_KEY_INFO_TO_FILENAME.
38617	When suspect flag is true, a PIF write will not now be attempted.
38908	The conversion of date/time strings to the format DDMONYYYY HH:MM:SS now works if the day is "31"
38618	Now supports RE matching in XML_ALTERNATIVE_OUTPUT_BLOCK_NAMES
38685	Data that had been collected from higher-level hierarchy of the raw file is now able to populate into each PIF row level.
42539	Can now use both part of the counter name string as the block name, and remove the same string token from the counter name.

Listed below are the enhancements to be included in this release.

Bug#	Description
1	Version upgrade to 3.0.0
2	Support Motorola UTRAN Performance files and default Tech Pack configuration.
3	Support for Ericsson UTRAN Tech Pack.
4	Support for Alcatel UTRAN Tech Pack.
5	New 3GPP XML Gateway User Guide.

6.11 Release 2.4.0

Release Date 20 January, 2004

Listed below is a summary of the defects/enhancements in this release. Further details regarding new functionality can be found in [3GPP XML Gateway 2.4 Maintenance Specification].

Bug#	Description
33839	XML_ALTERNATIVE_COUNTER_NAMES – Can now handle both global replacements of '.' and element extraction and replacement i.e. \.(.*) to VS_$1.
33956	All 14 digit values are output in date format. The code has been updated so that a value matches a 14 digit date string it is only converted if it is a valid date.
34109	The engine has been enhanced from the previous design of outputting a PIF per measurement instance (mi).
36734	Now logs a message to the audit file for each raw file parsed.

Listed below are the enhancements to be included in this release.

Bug#	Description
1	Included is functionality to parse 3GPP XML network configuration data, based on the 3GPP TS 32.615 standard.
2	New post parser rule, ADD_KEY_INFO_TO_FILENAME. For some moid keys, such as GgsnFunction_GnIsp, there can be more than 1 set of counters associated with it. This rule extracts the counter group from the counter name and inserts it in the PIF filename.

7. Type(s) and release(s) supported

The Gateway has been tested for:

Vendor Performance data	Release	Element Sender Test
Nortel	UMTS 3.0	HLR-MSCW, MSC-MSCW, SGSN-15KVSS70, SGSN-8KVSS70, SIG-sig1, GGSNc-con000
Nortel	GPRS 5.0	HLR-MSCW, MSC-MSCW, SIG-SIG-008, SGSN-PP2G000, SGSN-PP3G000, GGSNs-R1D4, GGSNc-con1
Nortel	UTRAN R5	
Ericsson	UTRAN v2.1	RNC • See the note at the end of this document regarding the format of Ericsson data.
Ericsson	SGSN w5	
Ericsson	UTRAN P4, P5, P6	
Ericsson	MGW R4.1	
Ericsson	UTRAN bulk configuration data	• 3GPP XML configuration data based on 3GPP TS 32.615 V4 standard.
Motorola	UTRAN	
Alcatel	UTRAN	

Siemens	NGHLR V3.0	

The format supported by the gateway is the xml that complies with 3GPP TS 32.401 specification from 3GPP.

8. Hierarchy input files

The following network configuration XML based files are supported. Note that this has only been tested against Ericsson sample data.

Scope	Attendant Format/Syntax
Input hierarchy file names to expect	Ericsson specific
Input hierarchy file format to expect	XML base on 3GPP TS 32.615 V4 bulk data configuration.
Equipment/devices to expect data from	UTRAN
Extraction mechanism	

9. Raw input files

Scope	Attendant Format/Syntax
Performance Measurement File Types	A20010501.2255-1001_HLR-MSCE Where; A - Type 20010501 - Start Date 2255 - Start time - - Sign of the local time differential from UTC (+ or -) 1001 - local time differential from UTC HLR-MSCE - The name of the NE, EM or domain
Input file names to expect	XML
Equipment/devices to expect data from	Operations & Management Platform (UMTS) – means of interfacing with 3GPP Wireless Networks for the collection and reporting of service measurements.
Transfer mechanism	ftp