Nokia ASCII Gateway Distribution Note

Date: 23 June 2008

1 Associated Documents

The following documentation accompanies this release:

1.1 Referenced Documents

Document Name	Document Description
[Install Note]	This document describes the steps required to install and run a Gateway.
[Gateway Framework Distribution Note]	This document provides an overview of the release history of the common modules.

1.2 Other Related Documents

Document Name	Document Description
[Nokia ASCII User Guide]	This document describes the vendor specific information on the Nokia Gateway.

2 Introduction

You should read this Distribution Note before proceeding to install the Gateway Configuration.

For information on the Gateway Framework, its configuration and use refer to the [Gateway Framework User Guide].

The Gateway Framework and Vendor Gateway are supplied as separate packages. As part of the Vendor Gateway installation process, it must reference a Gateway Framework installation. This separation simplifies the maintenance and version control of multiple vendor Gateway installations on a single server.

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

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 Perl Version

The Vendor Gateway requires the Gateway Framework release 3.4 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 3.4.0

Fix Patch Release date 30 June 2008.

Listed below are the bugs fixed in this release.

Bug#	Description
59108	Nokia Ascii parser creates multiple pifs when previous parsed file's hierarchy data not found.
59127	Missing counter in between, caused parser to skip some data block in raw data.

6.2 Release 3.4.0

Release date 29 January 2008.

Listed below are the enhancements to this release.

#	Description
1	Support Gateway Framework 3.4.0

6.3 Release 3.3.1

Release date 1 November 2007.

The table below lists the enhancements in this release:

Enhancement #	Description
1	Include modules directory for Vendor Gateways
2	Enhancements for HEADER_DATA_RECORD_PROCESSING to allow changes to block names within EngineConfig

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/nokia-ascii
```

6.4 Release 3.3.0

Release date August 16th 2007.

Listed below are the bugs fixed in this release.

Bug#	Description
49775	Missing counter in between ,; caused parser to skip some data block in raw data.
56697	Nokia ASCII parser unable generate P_MSC_HO block
56723	Error messages in log file when parsing the files through Nokia_ASCII Gateway

Listed below are the enhancements in this release.

Enhancement#	Description

35886	Nokia parser needs rework to normalise DLCI data
44509	DLCI enhancement
57222	NOKIA Ascii rule only takes "null" as the NULL representation in the rawdata file

6.5 Release 3.0.0

Release date August 20th 2004.

Listed below are the bugs fixed in this release.

Bug#	Description
35857, 36749	Gateway is now able to process multiple raw files.
35906, 43205	Gateway is now processing raw files in drip feed mode properly.
35888	Double quotes are added to the string (begins with non-alphanumeric characters) correctly.
35863	Measurement 840 is now configured correctly in Nokia BSS Config.
43206	Gateway is now generating a new PIF file if total number of counters in a specific measurement changed.
43177	Gateway is now generating PIF files using HEADER_INFO_FOR_PIF_FILENAME as key.

Listed below are the enhancements included in this release

Enhancement#	Description
1	Version upgrade to 3.0.0
38911	Support measurement type 93 and 94 to Nokia BSS Config.
43253	Support reading of hierarchy data from multiple files.

6.6 Release 2.4.0

Release date October 22nd 2003.

Listed below are the bugs fixed in this release.

Bug#	Description
32701	NODEID (BSCID) included in every block in the LIF file
33110	NULL counter values cause problems with loader
33138	NSS part create all data with blocks called either MSC or HLR
33140	PIF Filenames contain starttime, inefficient in a backlog situation
33151	MSC batch rule configured incorrectly.
33156	Parser should handle compressed files.
35736	Hierarchy data configuration can cause clashes/incorrect lookups.
37737	Failure of object ID lookup on first line of raw file not handled correctly.
35738	Blank configuration line that doesn't affect lookups not handled correctly.
35739	PIF files containing header data only should not be produced.
35740	Adjacent cell mapping not handled correctly

35741	The month mapping function contains formatting errors.

Listed below are the enhancements included in this release

Enhancement#	Description
35742	Support for counter manipulation options during engine stage.
1	Enhance FILE_SPLIT rule to support counter ordering
2	Add Post Parser rule for counter value calculations
3	Add support for counter manipulation on a per OM type configuration.

6.7 Release 2.3.0

Release date June 27 2003.

Listed below are the bugs to be fixed in this release.

Bug#	Description
33147	New functionality to redirect network configuration data to the header block .
32701	Same requirement as 33147
33110	a new DEFAULT_NULL_VALUE to replace null's found in performance or configuration data.
33111	Counter values with spaces now enclosed in quotes.
33138	The OUTPUT_BLOCK_NAME has been removed from the MSC and HLR batch rule instances.
33140	NODEID is included as a token when creating the PIF filename, now that its contained in the header.
33142	Extra level of indirection to access the OM types.
33156	Compressed files now handled correctly using GenUtils::file_open to open PM files in engine module.
33151	MSC batch rule is configured wrongly
33155	MSC and HLR batch rule is missing DAY and NODEID in output filename

6.8 Release 2.2.1

Release date February 2003.
The bugs fixed are listed in the table below.

Bug #	Description
31730	Decimal numbers for counter values are truncated
31762	Missing OM Types in NSS and BSS configuration
31770	Post Parsing Rules are inadequate
31931	Missing Hierarchy in LIFs, make the insertion of rows with missing hierarchy data configurable.

The enhancements are listed in the table below.

Enhancement #	Description
1	Add support for Nokia MML report output. This release supports the parsing of text based MML reports from GPRS and BSS nodes.

6.9 Release 2.2.0

Release date December 2002.

This release contains the following:
- New framework functionality for the collection of statistics on file and block processing
- A number of fixes to bugs in common-modules.

6.10 Initial Release 2.1.0

Release Date September 2002.

This is the first release of the Nokia ASCII Gateway. Refer to the Requirements Specification for more details. It meets the requirements for the handling of Nokia BSS, NSS and SGSN data.

7 Type(s) and release(s) supported

The Gateway has been tested for:

Vendor Performance data	Type	Release
Nokia ASCII	BSS	S11.5, T12, OSS3.1
Nokia ASCII	NSS	T12, OSS3.1
Nokia ASCII	SGSN	T12, OSS3.1
Nokia ASCII	SGSN	R2
Nokia ASCII	BSC and SGSN MML report output	N/A

8 Raw input files

2 distinct types of raw files are supported, the standard Nokia ASCII format, and text based reported generated via Nokia MML request strings.

Scope	Attendant Format/Syntax
Performance Measurement File Types	NSS/BSS/SGSN
Input file names to expect	There are 3 subtypes of files expected: BSS - BSC<ID>.<measurement type>.<datetime>.<unique temp id> e.g **BSC49573.71.200207180000.411485** NSS – NSS.<unique id>.<date>.<time> **NSS.tbq302.07Aug02.13:57:12** SGSN – SGSN.<unique id>.<date>.<time> e.g. **SGSN.tbq302.07Aug02.14:43:58**
Equipment/devices to expect data from	BSS/NSS/SGSN nodes
Extraction mechanism	Database scripts

Scope	Attendant Format/Syntax
MML report output	MML line report format, which can be broken into a file header, and a number of report blocks, each of which contains a report header and report detail lines.
Input file names to expect	<MML_COMMAND>_<OBJECT>_<YYYYMMDD>.<HH MM>.mml For example for BSC: ZFWO_10-71-0001_20030217.1302.mml And for SGSN: ZEJL_SGSN01_20030217.1302.mml
Equipment/devices to expect data from	BSS/SGSN nodes
Extraction mechanism	MML request strings.

9 Hierarchy input files

Scope	Attended Format/Syntax
Input files names to expect	The four hierarchy files expected are: - hierarchy.dat - trxhier.dat - objects.dat - sgsn.dat
Input file formats to expect	ASCII
Equipment/devices to expect data	BSS/NSS/SGSN nodes
Extraction mechanism	Database script
Transfer mechanism	N/A