Release Notes

Prospect® 8.0

Ericsson GGU 7.1.14.3.0

Vallent™

DOCUMENT CONTROL

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Table of Contents

1 Description

Prospect® 8.0 for Ericsson GGU version 7.1.14.3.0 is an upgrade release to cater the upgrade of OSS RC R7.1 and BSS 09A.

- The Prospect Base version certified against this release 8.0.6.0 with core fix pack 8.0.6.3 and it is compatible to any later core version.

- The client version certified against this release is 8.0.6.

- The operating system version certified against this release is Solaris 10.

- The Oracle database version certified against this release is Oracle 10g – 10.2.0.4 64-bit.

The latest core fix pack for Prospect Base is available for download from the following URL:

http://www-01.ibm.com/software/sysmgmt/products/support/Prospect.html

IMPORTANT: Prospect relies on the VM workflow configuration change to support BSS 09A and OSS RC7.1 upgrade, please follow VM tech doc **1.1.0-TIV-VM-Ericsson_GSM_ASN1-IF0001.Release-Notes** to do the VM configuration changes. The VM tech doc **1.1.0-TIV-VM-Ericsson_GSM_ASN1-IF0001.Release-Notes** is available for download from the following URL:

http://www-01.ibm.com/support/docview.wss?rs=0&q1=7016101&uid=swg27016101&loc=en_US&cs=utf-8&cc=us&lang=en

The following publication is included with this release.

Publication	File Name	Revision Date
Prospect Performance Data Reference	PerfDataRef.pdf	24th July 2009

To verify that you have the correct version of the Prospect publications, see the revision date in the About this Documentation section of any guide.

Note: All the user publications can be downloaded from Prospect Advantage web site.

2 Supported Platforms

Complete platform support information for the current release is in the *Prospect Server Preparation Guide*. Complete client hardware and software requirements are in the *Prospect Installation Guide*.

Supported Vendor Software
Ericsson MSC R11, R12, R12.1
Ericsson SGSN R7.0, R8MD, R8IP, 2009A
Ericsson BSC R11, R11.1, BSS06B
Ericsson RANOS P5ED, P5MD, P6, GPEH EBS-W, P6FP, P7, P7FP

New Added Supported Vendor Software in this Release
Ericsson BSC BSS 09A

3 Resolved Issues

Following is a list of problems present in the previous release that have been resolved.

ClearQuest/APAR	Description
valnt00074037 *	In the RANOS CM loader, splitting the .cm1h file by measurement group and/or number of lines did not work. This feature has been replaced with the option to split the .cm1h file by RNC. See section 4.2 for more details
valnt00084379 / IZ49304	It is required to stop the sentry for showing usage information of the addelement.sh scripts (APAR=IZ49304)
valnt00085172 / PMR10340 (MR0407091339)	The RANOS CM loader crashed when exceed 4GB RAM usage limit when loading large bulk Bulk CM files.
valnt00087869 / PMR15751	The RANOS CM loader expected localCellId to be unique per RNC, but did not enforce this.
valnt00092074 / PMR 38416 (MR0720092148)	The RANOS CM topology file was failed to load completely if there was a single instance in the file where same localcell Id is assigned to more than one cells within same RNC.

*Previously listed in known issues

4 New Features

4.1 BSS

BSS 09A Delta Dictionary specifies the following changes to counter groups in GSM module:

Entity	Counter Status	Technology
Cell	Extended/Modified	GSM
Super_Channel	Extended/Modified	GSM
Transceiver_Group	Extended	GSM
BSC	Extended	GSM

Note: BSS has been upgraded from current BSS07B to BSS09A, together with OSS RC R7.1 upgrade. As OSS RC R7.1 will only applicable to GSM network, UMTS network will maintain its OSS version as R6.3.

4.2 RANOS CM

There is enhancement on RANOS CM loader to improve UTRAN CM data loading process. To avoid the CM loader hits the memory use limit when processing huge .cm1h files, RANOS CM loader has been modified to split the file by RNC.

The old parameters RANOS_CM_SPLIT_OUTPUT_PER_MEASGROUP and RANOS_CM_MAX_ROWS_PER_OUTPUT_FILE in the configuration file (default-RANOSconfig.csv) are no longer working. RANOS CM will not split output by measurement group. By default now it will split output by RNC.

In addition, there is a new parameter RANOS_CM_MAX_RNC_PER_CM1H introduced in the configuration file. This parameter is to control how many RNC can be stored in a single .cm1h file. When it exceeds, CM loader will split output into another new .cm1h file.

If this parameter has not been set inside the configuration file, CM loader will takes 20 as default.

5 Known Problems

5.1 Confidence Report Displays Null Values [SEAde53522 / SEAde58917]

Description: Confidence reports display null values for BSC and OSSRC.

Impact: BSC and OSSRC confidence reports are not useful.

Workaround: A data availability report can provide similar information to a confidence report. A suitable template is in
`\Templates\Available Data Templates\STS_BSC_AvailableData.` If you use this template, make sure that the INCLUDE NULL ROWS option is selected. This option is in the Report Editor, on the REPORT TYPE tab. A version of this is also available for the OSSRC data file format.

5.2 Unable to Save Report Definition when All Split Key Fields are Selected [SEAde56151]

Description: It is not possible to save a report with all split keys selected for some entities low in the hierarchy. If the total length of the names of all the selected entities plus some overhead exceeds 256 characters, the user will not be able to save the report.

Impact: Some reports with split keys cannot be saved.

Workaround: Deselecting some of the entities from the split key panel can resolve the problem for some reports.

5.3 Import Process Sometimes Fails [SEAde56230]

Description: Import of exported user documents sometimes fails. The following message appears in the import log:

```
"SQL*Loader: All/some rows discarded/rejected."
```
Impact: An export of user documents might not always re-import everything that was exported.

Workaround: None.

5.4 Unable to Generate Full Key [SEAde57024]

Description: Data will not load for ASN.1 data for groups `RES64K` and `NONRES64K`. The ASN.1 data does not contain enough information to generate a valid full key to use in data loading. The key in sample data is "−" when it should be a valid key value. This is an issue that Ericsson will need to investigate.

Impact: The counters for the two groups will not load for ASN.1 data.

Workaround: None.

5.5 Missing Data Report Displays Unexpected Timestamp Intervals [SEAde58886]

Description: The missing data report displays unexpected timestamp intervals for the OSSRC data file type. If a sub-daily report is run for the OSSRC data file type, then all periods except midnight report missing data.

Impact: The missing data report for OSSRC data files shows missing data for all periods of the day except for midnight.

Workaround: Only run missing data reports for OSSRC-based data at the daily level.

5.6   Null Value Reported in ODBC and ASCII [SEAde58997]

Description: Null values are reported in ODBC and ASCII when using the ODBC Data source editor for OSSRC.

Impact: ODBC data source editor might not show correct values.

Workaround: None.

5.7   Non-Stored Summation Displays Confidence Factor of 90% [SEAde58998]

Description: In testing, non-stored summation report of a sub-network entity displays the confidence factor as 90% even when all data was loaded.

Impact: In some cases, the confidence factor might not be accurate.

Workaround: None.

5.8   SoftAlarms for OSSRC File Type [SEAde59000]

Description: Soft alarms do not trigger for OSSRC data files.

Impact: Soft alarms defined on the counters from the OSSRC data file are not recorded correctly.

Workaround: None.

5.9   10-90 Percentile Graph Report Contains Unwanted Data [SEAde59020]

Description: Graph reports using the 10-90 Percentile macro display macro control data at the end of the report.

Impact: The unwanted data must be cleaned up manually after the report is run.

Workaround: None.

5.10 show-traffic script not in $PATH [SEAde59022]

Description: The directory containing the `show-traffic` script (`$FLEXPM_HOME/sw/oracle`) is not in `$PATH`.

Impact: It is not possible to run the script from a directory other than `$FLEXPM_HOME/sw/oracle`.

Workaround: Either run `show-traffic` from the specified directory or enter the full path to the script on the command line.

5.11 Counter Values Misaligned in Report if UtranCell Label is in Template [SEAde60613]

Description: If the LABEL field of `UtranCell` is included in a template, reports that use that template align the counter values to the left of the spreadsheet cells instead of to the center.

Impact: Such reports might be difficult to read, compared with other reports.

Workaround: Select the affected rows and columns in the spreadsheet and correct the alignment manually.

5.12 ORA-01841 error in loader log when loading empty ASN.1 or TRDIP file [SEAde62164]

Description: Empty ASN.1 and TRDIP files now move to the fail directory when loaded. However, such files now cause the following error message to appear in the loader log:

```
INSERT INTO en_event_file_load_v: ORA-01841: (full) year must
be between –4713 and +9999, and not be 0
```

This message might be followed by further Oracle errors, namely ORA-02291, ORA-06512 and ORA-04088.

Impact: None. The messages are harmless.

Workaround: None.

5.13 Split GSM ASN.1 files may overwrite existing data [SEAde62233]

Description: If GSM ASN.1 data is split into more than one file for a given MSC or BSC and a given timestamp, files processed after the first one may overwrite previously-loaded data with nulls.

Impact: GSM reports might not accurately reflect the contents of the ASN.1 files.

Workaround: None.

5.14 add_filetype_timeout.sh -f <file type> -t <timeout> sometimes fails [SEAde63354]

Description: Running `add_filetype_timeout.sh` sometimes fails with an Oracle error:

```
ORA-02291: integrity constraint (FLEXPM.FK_TASK_STATUS_JOB)
violated – parent key not found.
```

Impact: No notification will be received when an expected file didn't arrive.

Workaround: None.

5.15 "No data returned" message in RS DataServer log [SEAde68216]

Description: Messages similar to the following appear in the RS DataServer log file, approximately every five minutes:

```
Tx1f |11:13:02|DataServer::handleClientRequest()
     |Exception : stream read failed – no data returned
```
Impact: None. The message is harmless.

Workaround: Not applicable.

5.16 Reports that use imported user-defined scenarios may fail [SEAde68458]

Description: If a user-defined scenario, exported from schema *A* and imported into schema *B,* makes reference to instances that exist in *A* but not in *B,* reports that use that scenario will fail with the following error:

```
Exception : [SERVERERROR] ORA-06502: PL/SQL: numeric or value
error: character to number conversion error
```
Impact: Reports, stored busy hours and stored summations that use such scenarios fail.

Workaround: Create a copy of the imported scenario under a new name. This will remove the non-existent instances from the copy. Amend any documents that refer to the imported scenario to refer to the copy. To identify these documents, right click the scenario and select "References" from the popup menu.

5.17 Out-of-order data loading can cause data to be overwritten in GPRS [SEAde68484]

Description : In the GPRS module, if data is loaded out of timestamp order, data that has already been loaded may be overwritten with nulls. This can happen if a backlog in loading data occurs.

Impact: GPRS reports may not be accurate.

Workaround: Reload the data in order of timestamp.

5.18 Scenario activation time reset back to default after core upgrade [SEAde69522]

Description : The scenario activation time is reset to the default run time (01:00 daily) after the core upgrade.

Impact: The scenario activation run time will change if it was set to something other than the default.

Workaround: Run the following command to change it back to the custom time:

```
$ schedule_maint scenario_activation <YYYYMMDD> <HHMI>
```

5.19 Server Prep needs update [valnt00044667]

Description: Upgrading Oracle 9i to 10g steps on editing listener should be done by editing the `listener.ora` file before starting the listener.

Impact: None.

Workaround: Restart the listener.

5.20 Missing parameters in wm_system_values_v view [valnt00051564]

Description: During the Fresh Install, three parameters are missing from the `wm_system_values_v` view:

AutoCleanIOTMaxLoops (default value: '5')

EventTruncatePmFolderEventTable (default value:'Y')

SummationForceNI (default value: 'FALSE')

Impact: None. Prospect will use the given default value for each parameter if it is not present in `wm_system_values_v`.

Workaround: However, if there is any abnormal behavior, you can add the relevant parameter(s) to `wm_system_values_v` with the following command in SQL*Plus:

```
exec wm_sysval.newSysValIfNotExists ('parameter-name', 'parameter-value');
```
For example,

```
exec wm_sysval.newSysValIfNotExists ('AutoCleanIOTMaxLoops', '5');
exec wm_sysval.newSysValIfNotExists ('EventTruncatePmFolderEventTable', 'Y');
exec wm_sysval.newSysValIfNotExists ('SummationForceNI', 'FALSE');
```

6 Installation and Upgrade Instructions

6.1 Prerequisites

6.1.1 Environment Path

Prospect installations will no longer ship with the `gtar`, `gunzip` or `gzip` binaries. These are installed with Solaris 9 and Solaris 10.

Make sure that `/usr/bin` and `/usr/sfw/bin` are in your `$PATH`. Enter the following commands to locate `gtar`, `gunzip` and `gzip`:

```
$ which gtar
$ which gunzip
$ which gzip
```

These commands return the path(s) to `gtar`, `gunzip` and `gzip` on your system. If these utilities are not found, add `/usr/sfw/bin` to `$PATH` in your `.profile` file.

6.1.2 Disk Space and Table Space Requirements

The installation of the upgrade requires additional 500 MB disk space under /u01 file system.

The install script also requires that at least 10% of total tablespace size is available for each tablespace. Please contact IBM customer support if there is less than 10% of total tablespace available for any of the tablespaces.

Additional Oracle table space is required to support the new traffic tables introduced in this release. The following lists the disk requirement for each table space assuming that 90 days of data will be retained:

TRAFFIC_LARGE: 1.5GB

TRAFFIC_MEDIUM: 200MB

TRAFFIC_SMALL: 100MB

Note: *It is recommended to always keep 10% of total table space size available for each table space.*

6.1.3 XDK

The Oracle Database must have XDK installed. Log into the database using SQL*Plus:

```
$ sqlplus $DB_CONNECT
```

Please use the following SQL statement to check if the XDK is installed accordingly. Oracle XDK for Java should be there in the result. The version must be 10.2.0.x.

```
SQL> SELECT comp_id, comp_name, version FROM dba_registry WHERE
comp_id = 'XML';

COMP_ID     COMP_NAME                     VERSION
----------  ----------------------------  ----------------
XML         Oracle XDK for Java           10.2.0.3.0
```

6.1.4 Perl Version

Make sure that Perl version 5.6.1 is on your server. Type the following command to verify:

```
$ /usr/perl5/5.6.1/bin/perl -v
```

The first line of the output should start with:
```
This is perl, v5.6.1 built …
```

If an error is received as below, please contact your system administrator to install Perl 5.6.1.
```
ksh: /usr/perl5/5.6.1/bin/perl: not found
```

6.1.5 Java Version

Make sure that Java version 1.5.0_13 or above is installed. Type the following command to check the Java version.

```
$ java -version
```

The output should resemble the following:

```
java version "1.5.0_13"
Java(TM) 2 Runtime Environment, Standard Edition (build 1.5.0_13-
b03)
Java HotSpot(TM) Server VM (build 1.5.0_13-b03, mixed mode)
```

If the installed version is earlier than required, some scripts might not run, or might produce incorrect results.

6.1.6 Checking Environment Variables

Execute the following command to verify that the environment variables LOG and OK are NOT set:

```
$ echo $LOG $OK
$                    <- default setting should be empty
```
If the above environment variables are set, please unset the environment variables as below:

```
$ unset LOG
$ unset OK
$ echo $LOG $OK
$                    <- default setting should be empty
```

6.1.7 Baseline Requirements

The base environment that this patch will be applied against:

- Prospect 8.0 for Ericsson 6.0.14.0.0 base release (either a fresh install or an upgrade from an earlier release)

- Prospect Core 8.0.6.1

The following releases are optional, as they are bundled in this release:

o   Prospect 8.0 for Ericsson 6.0.14.0.1

o   Prospect 8.0 for Ericsson 6.0.14.0.10

o   Prospect 8.0 for Ericsson 6.0.14.0.20

o   Prospect 8.0 for Ericsson 6.0.14.0.30

o   Prospect 8.0 for Ericsson 6.0.14.1.0

o   Prospect 8.0 for Ericsson 7.1.14.2.0

As the Prospect UNIX user, this can be verified using the following command.

```
$ show_installed
```

Output similar to the following will be produced:

```
COMPONENT                                INSTALL_TY INSTALL_DATE
---------------------------------------- ---------- -----------------
CORE Prospect rev 8.0.6.1 b3             PATCH      09-JUL-07 17:39:01
CORE Prospect rev 8.0.6.0 b13            UPGRADE    09-JUL-07 17:27:43
VENDOR ErcHLR rev 6.0.14.0.0 b3          INSTALL    09-JUL-07 17:03:40
VENDOR ErcOSSRC rev 6.0.14.0.0 b3        INSTALL    09-JUL-07 17:12:54
VENDOR ErcGSM rev 6.0.14.0.0 b3          INSTALL    09-JUL-07 14:59:00
VENDOR ErcRANOS rev 7.1.14.2.0 b3        UPGRADE    09-JUL-07 19:32:02
VENDOR ErcComExtra rev 6.0.14.0.0 b3     INSTALL    09-JUL-07 17:13:24
VENDOR ErcGPRS rev 7.1.14.2.0 b3         UPGRADE    09-JUL-07 19:56:55
```

Additional components might be listed; these are unimportant. The versions (`rev`) of CORE Prospect and VENDOR module must be greater than or equal to those shown. The build number ("b" followed by a single digit) and install type (`INSTALL` or `UPGRADE`) for each component is unimportant. The install dates will be different from those shown.

Important! *It is critical that you apply this patch to an environment at the correct patch level. Please verify the environment carefully. For more information, please contact IBM customer support.*

Addition Notes: *Apply Technical Flash (Alert) if the base environment was upgraded to Core 8.0.6.3 (or later) before any EricGGU vendor upgrade has been applied. For more information, please refer to below URL or contact IBM customer support.*
http://www-01.ibm.com/support/docview.wss?rs=3326&context=SSG24D&q1=core+8.0.6.2&uid=swg21390805&loc=en_US&cs=utf-8&lang=en

6.1.8 WM_MESSAGE_LOG Partition

This pre-validation only apply to Core 8.0.6.3.0 or later.

Make sure the wm_message_log partition is available prior to this upgrade install.

Perform the following to validate:

select * from user_tab_partitions where table_name = 'WM_MESSAGE_LOG';

Ensure there is return row(s) with partition P*YYYYMMDD+1* that covered the current system date. Example, today is 2009 July 08, make sure that is partition starting from P20090709 onward in the wm_message_log.

6.2 Installation Privileges Required

The following privileges are required for an upgrade.

Privilege	Required
UNIX flexpm user in DBA group	Yes
Root privilege required	No

6.3 Pre-Installation Instructions

6.3.1 System Backup

This upgrade cannot be uninstalled. This upgrade involves updates to the database and the metadata; therefore recovery from backup is the only way to reverse the changes made by this upgrade. You must perform a full system backup before installing this upgrade. If needed, please refer to the "Backing up the Database" section of the *Prospect Administration Guide*. Please contact customer support if you require further support.

6.3.2 Network Timeouts

If your system has a security policy in place such that a session is disconnected after a lengthy period of apparent inactivity, you should disable it during this upgrade. The upgrade can take over an hour to run and requires no user input during the majority of the upgrade. This can make the upgrade session appear idle. If timeouts are not disabled, the upgrade terminal could be disconnected during the upgrade.

6.3.3 Warning: Disable server access in Prospect Web

If Prospect Web is accessing this Prospect installation, then use the admin tool to disable the corresponding data source. Failure to do this step may results in errors in both the upgrade and Prospect Web. Consult customer support if you have questions.

6.3.4 Note Schedule_maint Settings

If the middleware is down for an extended period of time, the script `schedule_maint` could display some jobs as not scheduled. Thus the jobs will not run and the system will fail.

Before the upgrade, run `schedule_maint` to get a list of the current schedule settings. Make a note of the next run time of each job.

6.3.5 Note Partition Maintenance Settings

During the upgrade a number of new tables are added to the Prospect system. Occasionally this can cause the script past_part_maint.sh to display data retention settings as "Unlimited."

Before the upgrade, run past_part_maint.sh to get a list of the current data retention settings.

6.4   Installation Instructions

1.   Log in as user flexpm, and source the .profile (if you are not already).

2.   Download and copy the TAR package to be installed on to the appropriate Prospect Server into a staging directory, for example,

    $ mkdir -p /var/tmp/7.1.14.3-TIV-PROSPECT-ERCGGU-FP0000

3.   cd to the staging directory

    $ cd /var/tmp/7.1.14.3-TIV-PROSPECT-ERCGGU-FP0000

4.   Untar the TAR package using the following command:

    $ tar -xvf 7.1.14.3-TIV-PROSPECT-ERCGGU-FP0000.tar

5.   Stop the middleware if it is currently running

```
$ ps-mgr stop all
$ ps-mgr halt
```

6.   Preview the installation for problems before installing the upgrade:

```
$ ./wminstall -b $FLEXPM_BASE -d $DB_CONNECT \
-portbase $PORT_GROUP -core_spec core.spec.10g -preview -v
```

7.   Check the results of the preview and contact IBM support if you have any queries.

8.   Run the installation by typing the following commands:

```
$ ./wminstall –b $FLEXPM_BASE –d $DB_CONNECT \
–portbase $PORT_GROUP –core_spec core.spec.10g –v
```

9.   After wminstall is completed, please examine the file detail.log under the directory $FLEXPM_HOME/audit/<YYYY>_<MM>_<DD>_<HH>_<MM>_<SS>_<running number> for any error messages.

6.5   Post-Installation Instructions

6.5.1   Check for invalid objects

After the upgrade finishes, it is useful to check for any invalid objects in the database. Log into the database using SQL*Plus:

```
$ sqlplus $DB_CONNECT
SQL> select object_type, object_name from user_objects where
status='INVALID' and object_type<>'VIEW';
```

This should produce the output:

```
no rows selected
```

If the above SELECT statement outputs some rows, please recompile the schema. Use the correct value for schema_name if it differs from below:

```
SQL> execute dbms_utility.compile_schema('schema_name',FALSE);
```

If your schema_name is FLEXPM, you can use the command as below:-

```
SQL> execute dbms_utility.compile_schema('FLEXPM',FALSE);
```

6.5.2 Installed Version Verification

After the upgrade finishes, it is helpful to run `show_installed`, to confirm that everything installed correctly:

The output from `show_installed` should be similar to the following:

```
COMPONENT                              INSTALL_TY INSTALL_DATE
-------------------------------------- ---------- ------------------
CORE Prospect rev 8.0.6.1 b3           PATCH      09-JUL-07 17:39:01
CORE Prospect rev 8.0.6.0 b13          UPGRADE    09-JUL-07 17:27:43
VENDOR ErcOSSRC rev 6.0.14.0.0 b3      INSTALL    09-JUL-07 17:12:54
VENDOR ErcComExtra rev 6.0.14.0.0 b3   INSTALL    09-JUL-07 17:13:24
VENDOR ErcGSM rev 7.1.14.3.0 b3        UPGRADE    09-JUL-07 22:09:59
VENDOR ErcRANOS rev 7.1.14.3.0 b3      UPGRADE    09-JUL-07 21:42:08
VENDOR ErcHLR rev 6.0.14.0.0 b3        INSTALL    09-JUL-07 17:03:40
VENDOR ErcGPRS rev 7.1.14.3.0 b3       UPGRADE    09-JUL-07 21:44:00
```

The component names and version numbers (`rev`) should be the same as those shown. The build numbers ("`b`" followed by one or more digits) might be different. The install dates and times will be different from those shown.

6.5.3 Start the Middleware

If everything is OK, restart the middleware:

```
$ wmpm-init start all
```

6.5.4 schedule_maint

After the middleware has been restarted, run `schedule_maint` to check the next run time of the scheduled jobs. If any of the jobs display the next run time as "job not scheduled," then run `schedule_maint` and update the values to an appropriate future time based on the settings you recorded in Section 6.3.4 above.

For example, to set the `pm_daily job` to run at 1:00 am on 1 May 2006.

```
$ schedule_maint pm_daily 20060501 0100
```

Note: Remember to enter a time in the future. If unsure of appropriate times then please contact customer support

6.5.5 Enable Datasource in Prospect Web

If this Prospect system is associated with a Prospect Web system and you disabled the datasource in section 6.3.3, then use the Prospect Web Administration Tool to enable the datasource with this Prospect system.

6.6 Uninstallation Procedure

This release cannot be uninstalled. It involves updates to the database and the metadata, and therefore recovery from backup is the only way to reverse the changes made by this release. You must perform a full system backup before installing this patch. If needed, please refer to the "Backing up the Database" section of the *Prospect Administration Guide*. Please contact IBM customer support if you require further support.

7 Useful Hints

7.1 convertXML.sh cronjob of SGSN loader (GSNpm)

In order for `convertXML.sh` to run correctly and successfully from `cron`, make sure that the `.profile` is sourced in the cronjob prior to calling the `convertXML.sh`.

7.2 convertXML.sh log files of SGSN loader (GSNpm)

The detailed log information from the `convertXML.sh` script is not included in the loader log file, but instead is kept in the `$PROSPECT_HOME/ErcGPRS_loader/GSNpm/R5.0/logs` directory.

For more information about `convertXML.sh`, see the section entitled "Configuring the Data Preprocessor" in the Administration Guide (`AdminGuide.pdf`).

8 Customer Support

Contact customer support if any problem is encountered during the installation of this patch.

9 Manifest

The manifest for this release is contained in a file called `manifest.txt` at the top level of the TAR archive.

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