

Release Notes

Prospect® 8.0

Ericsson GGU 6.0.14.0.20



DOCUMENT CONTROL

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1 Description

Prospect® 8.0 for Ericsson GGU version 6.0.14.0.20 is a patch release to fix CM bulk data loading issue and scenario editor failed to open issue.

- The Prospect Base version certified against this release 8.0.5.0.08.
- The client version certified against this release is 8.0.5.0.06.
- The operating system versions certified against this release are Solaris 9 and Solaris 10.
- The Oracle database versions certified against this release is Oracle 10g – 10.2.0.3 64-bit.

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*.

<i>Supported Vendor Software</i>
Ericsson MSC R11, R12, R12.1
Ericsson SGSN R7.0, R8MD, R8IP
Ericsson BSC R11, R11.1, BSS06B
Ericsson RANOS P5ED, P5MD, P6, GPEH EBS-W

<i>New Added Supported Vendor Software in this Release</i>
(None)

3 Resolved Issues

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

<i>ClearQuest/APAR</i>	<i>Description</i>
valnt00047606 / APAR IZ29282	CM Bulk files take a very long time to load.
valnt00070366* / APAR IZ38565	Scenario editor failed to open for some scenarios.
valnt00072352 / APAR IZ39809	Missing entry in ad_scan_tables issue
valnt00041925 / APAR IZ24520	Ericsson SGSN data time interval issue

Note:

*: An internal valnt00073731 was raised againsts valnt00070366: In production environment, there is no data for TRDIP data type. Tables that store TRDIP data will not get populated. Testing on non-numeric local key for Entity: MSCTrunkDest (ERIC_TF_GSM_TRDIP_TYPE_TAB) is not covered.

4 Known Problems

4.1 Confidence Report Displays Null Values [SEAd53522 / SEAd58917]

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.

4.2 Unable to Save Report Definition when All Split Key Fields are Selected [SEAd56151]

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 128 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.

4.3 Import Process Sometimes Fails [SEAd56230]

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.

4.4 Unable to Generate Full Key [SEAd57024]

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.

4.5 Missing Data Report Displays Unexpected Timestamp Intervals [SEAd58886]

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.

4.6 Null Value Reported in ODBC and ASCII [SEAd58997]

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.

4.7 Non-Stored Summation Displays Confidence Factor of 90% [SEAd58998]

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.

4.8 SoftAlarms for OSSRC File Type [SEAd59000]

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.

4.9 10-90 Percentile Graph Report Contains Unwanted Data [SEAd59020]

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.

4.10 show-traffic script not in \$PATH [SEAd59022]

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.

4.11 Counter Values Misaligned in Report if UtranCell Label is in Template [SEAd60613]

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.

4.12 ORA-01841 error in loader log when loading empty ASN.1 or TRDIP file [SEAd62164]

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.

4.13 Split GSM ASN.1 files may overwrite existing data [SEAd62233]

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.

4.14 **add_filetype_timeout.sh -f <file type> -t <timeout> sometimes fails [SEAd63354]**

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.

4.15 **Summary job sometimes takes too long to run [SEAd65744]**

Description: The summary job can take longer than 24 hours to complete, especially when it inserts into weekly summary tables.

Impact: The summary job sometimes does not finish, and so stored summation data will not be available for some dates.

Workaround: This is fixed in Prospect 8.0.4.2.

4.16 **"No data returned" message in RS DataServer log [SEAd68216]**

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.

4.17 **Reports that use imported user-defined scenarios may fail [SEAd68458]**

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.

4.18 Out-of-order data loading can cause data to be overwritten in GPRS [SEAd68484]

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.

4.19 Scenario activation time reset back to default after core upgrade [SEAd69522]

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>
```

4.20 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.

4.21 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');
```

4.22 Unique constraint error message captured in Utran CM topology loader log [valnt00073474]

Description: topology loader log is giving ORA-00001 unique constraint error message when loading record that already exists in topology table.

Impact: None. The ORA-00001 unique constraint error message is expected if record loaded is already exists in topology table.

Workaround: None.

4.23 Split CM file by measurement groups cause some unexpected issues [valnt00074037]

Description: When the split .cm1h files feature is turned on, for entities that having multiple measurement groups, the last measurement group (file) will always override the other values.

Impact: Unexpected result loaded for CM files.

Workaround: Use the default setting, single .cm1h file option.

4.24 Issue on add & remake element [valnt00074043]

Description: This function (addelement.sh -remake) was introduced in RP14P10 as an enhancement request (ticket valnt00059982 / APAR IZ34171). The system should not do technology type validation against the module identifiers.

Impact: Unable to generate element_list with this option -remake.

Workaround: For the moment, use defaulted addelement.sh to add new elements, or use manual way of makeSentry and MakeArg to make element_list.

4.25 GSNpm dataloading failed due to remediation functionality not working [valnt00073797]

Description: This issue was caused by the remediation functionality not working when it reaches the wrap around value (the max threshold of 2^{32} / 2^{64}).

Impact: Fail to load GSNpm if the counter remediation value reaches the maximum wrap around value.

Workaround: None.

5 Installation and Upgrade Instructions

5.1 Prerequisites

5.1.1 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 to `gtar`, `gunzip` and `gzip` on your system. If these utilities are not found, add `/usr/sfw/bin` to the path in your `.profile` file.

5.1.2 Perl Version

Make sure that `/usr/perl5/5.6.1` 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 show:

```
This is perl, v5.6.1 built ...
```

If an error is received as below, please contact system administrator to install Perl 5.6.1.

```
ksh: /usr/perl5/5.6.1/bin/perl: not found
```

5.1.3 Java Version

Make sure that the `java` is version `1.5.0_13` and above. Type the following command to check the `java` version.

```
$ java -version
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.

5.1.4 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 8.0.5.5 Patch (Required for 6.0.14.0.10.2 patch release)

The following releases are optional as they are incorporated in this release:

- Prospect 8.0 for Ericsson 6.0.14.0.1.1
- Prospect 8.0 for Ericsson 6.0.14.0.10.2

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

```
$ show_installed
```

A similar output to the following will be produced:

COMPONENT	INSTALL_TY	INSTALL_DATE
CORE Prospect rev 8.0.5.0 b8	UPGRADE	08-AUG-05 12:04:59
CORE Prospect rev 8.0.5.5 b9	PATCH	08-AUG-05 12:07:26
CORE Prospect rev 8.0.5.3 b1	PATCH	08-AUG-05 12:07:33
VENDOR ErcGSM rev 6.0.14.0.0 b3	UPGRADE	08-AUG-05 12:07:36
VENDOR ErcRANOS rev 6.0.14.0.0 b3	UPGRADE	08-AUG-05 12:52:26
VENDOR ErcOSSRC rev 6.0.14.0.0 b3	UPGRADE	08-AUG-05 12:52:34
VENDOR ErcGPRS rev 6.0.14.0.0 b3	UPGRADE	08-AUG-05 12:52:29
VENDOR ErcHLR rev 6.0.14.0.0 b3	UPGRADE	08-AUG-05 12:52:31
VENDOR ErcComExtra rev 6.0.14.0.0 b3	UPGRADE	08-AUG-05 12:52:33

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.*

5.2 Installation Privileges Required

The following privileges are required for an upgrade.

<i>Privilege</i>	<i>Required</i>
UNIX flexpm user in DBA group	Yes
Root privilege required	No
Oracle sys user password set to default (change_on_install)	No

5.3 Pre-Installation Instructions

5.3.1 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.

5.3.2 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.

5.4 Installation Instructions

1. Log in as user flexpm, and source the .profile (if you are not already).
2. Stop the middleware from running if it is currently running

```
$ ps-mgr stop all
$ ps-mgr halt
```
3. 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/6.0.14.0-TIV-PROSPECT-ERCGGU-IF0020
```
4. cd to the staging directory

```
$ cd /var/tmp/6.0.14.0-TIV-PROSPECT-ERCGGU-IF0020
```
5. Untar the TAR package using the following command:

```
$ tar -xvf 6.0.14.0-TIV-PROSPECT-ERCGGU-IF0020.tar
```
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 detail.log under the directory of \$FLEXPM_HOME/audit/<YYYY>_<MM>_<DD>_<HH>_<MM>_<SS>_<running number> for any error messages.

5.5 Post-Installation Instructions

5.5.1 Installed Version Verification

After 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 8.0.5.0 b8	UPGRADE	08-AUG-05 12:04:59
CORE Prospect rev 8.0.5.5 b9	PATCH	08-AUG-05 12:07:26
CORE Prospect rev 8.0.5.3 b1	PATCH	08-AUG-05 12:51:33
VENDOR ErcGSM rev 6.0.14.0.0 b3	UPGRADE	08-AUG-05 12:07:36
VENDOR ErcRANOS rev 6.0.14.0.20 b2	UPGRADE	08-AUG-05 12:52:26
VENDOR ErcOSSRC rev 6.0.14.0.0 b3	UPGRADE	08-AUG-05 12:52:34
VENDOR ErcGPRS rev 6.0.14.0.0 b3	UPGRADE	08-AUG-05 12:52:29
VENDOR ErcHLR rev 6.0.14.0.0 b3	UPGRADE	08-AUG-05 12:52:31
VENDOR ErcComExtra rev 6.0.14.0.0 b3	UPGRADE	08-AUG-05 12:52:33

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.

5.5.2 Start the Middleware

If everything is OK, restart the middleware:

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

5.5.3 Enable Datasource in Prospect Web

If this Prospect system is associated with a Prospect Web system and you disabled the datasource in section 6.3.2, then use the Prospect Web Administration Tool to enable the datasource with this Prospect system.

5.5.4 New pdf help files

Prospect 8.0 for Ericsson 6.0.14.0.1.1 release incorporated in this release contains new `AdminGuide.pdf` and `InstallGuide.pdf` that are intended to replace those bundled together with Prospect 8.0 for Ericsson 6.0.14.0.0.3 base release. Please copy it from this location. `$FLEXPM_HOME/patches/6.0.14.0.1/pdf`

5.6 Uninstallation Procedure

The upgrade version of 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.

6 Customer Support

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

7 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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