

Nortel EVDO8.1 / CDMA MTX17 DAT for RP16.6
(7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000.tar)



Release Notes

Document Revision Number (v2.0)

Note: Before using this information and the product it supports, read the information in Notices section in this document.

This edition applies to IBM Prospect Nortel EVDO8.1 / CDMA MTX17 DAT for RP16.6 and to all subsequent releases and modifications until otherwise indicated in new editions.

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2 About this Documentation

Table 1 below details the information provided by the *IBM Prospect®* Nortel EVDO8.1 / CDMA MTX17 DAT for RP16.6 Release Notes.

Table 1 - About this Documentation

Chapter	Description
About this Documentation	An overview of the Prospect® Nortel EVDO8.1 / CDMA MTX17 DAT for RP16.6 documentation, which gives details of the intended audience and the structure of the guides.
Release Contents	Information on the release content included in the release.
Media Content	Details of media provided for the release.
Hardware Requirements	Details of hardware required for the release.
Software Requirements & Installation Information	Details on the Software required and the guides to be followed during the installation of the product for the release.
Known issues	Details on known issues included in the release and workarounds, if available.

2.1 Audience

The target audience of this guide is system administrators of Prospect or a person who installs / upgrades the Prospect DA server.

IMPORTANT: Before attempting an installation of Prospect® Nortel EVDO8.1 / CDMA MTX17 DAT for RP16.6 you are strongly advised to read these release notes. Failure to consult these release notes may result in a corrupt, incomplete or failed installation.

2.2 Required Skills and Knowledge

This guide assumes you are familiar with the following:

- *Knowledge of Solaris.*
- *Working knowledge of the Prospect DAT*
- *General IT and telecommunications principles*
- *Ability to run shell and Perl scripts.*
- *Knowledge of Prospect administrator scripts and client / Pweb interface*

This guide also assumes that you are familiar with your company's network and with procedures for configuring, monitoring, and solving problems on your network.

2.3 Document Conventions

The following command prompts can be seen throughout this document where the user has to enter commands at the command line:

- # (hash): This prompt will be displayed if the user is logged in as user root.
- \$ (dollar): This prompt will be displayed if the user is logged in as either the server or oracle user.

Please note the above prompts are not part of commands. All commands must be entered after these prompts.

This document uses the typographical conventions shown in the following table:

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Table 2: General Document Conventions

<i>Format</i>	<i>Examples</i>	<i>Description</i>
ALL UPPERCAS E	GPS NULL MYWEBSERVER	Acronyms, device names, logical operators, registry keys, and some data structures.
Link	See www.sun.com	For links within a document or to the Internet.
Bold	Note: The busy hour determiner is...	Heading text for Notes, Tips, and Warnings.
SMALL CAPS	The STORED SQL dialog box... ...click VIEW... In the main GUI window, select the FILE menu, point to NEW, and then select TRAFFIC TEMPLATE.	Any text that appears on the GUI.
<i>Italic</i>	<i>A busy hour</i> is... A web server <i>must</i> be installed... See the <i>User Guide</i>	New terms, emphasis, and book titles.
Monospace	<code>./wminstall</code> <code>\$ cd /cdrom/cdrom0</code> <code>/xml/dict</code> <code>addmsc.sh</code> <code>core.spec</code> Type OK to continue.	Code text, command line text, paths, scripts, and file names. Text written in the body of a paragraph that the user is expected to enter.
Monospace Bold	<code>[root] # pkginfo grep -i perl</code> system Perl5 On-Line Manual Pages system Perl 5.005_03 (POD Documentation) system Perl 5.005_03	For contrast in a code example to show lines the user is expected to enter.

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<i><Monospace e italics></i>	# cd <i><oracle_setup></i>	Used in code examples: command-line variables that you replace with a real name or value. These are always marked with arrow brackets.
[square bracket]	log-archiver.sh [-i][-w][-t]	Used in code examples: indicates options.

2.4 User Publications

The following user publications are provided with the Prospect® Nortel EVDO8.1 / CDMA MTX17 DAT for RP16.6 software in Adobe® PDF and HTML formats. This will be referred to as RP16.6 DAT henceforth in the document.

Table 3 - Prospect® Nortel EVDO8.1 / CDMA MTX17 DAT for RP16.6 User Publications

Document	Description
DA_Tools.pdf	Prospect Data Acquisition Tools Guide

2.4.1 Accessing Publications Online

All of the IBM Prospect publications, including Release Notes, are available online from the IBM Information Center website as follows:

http://publib.boulder.ibm.com/infocenter/tivihelp/v8r1/index.jsp?topic=/com.ibm.netcool_pm.doc/IBM_Prospect_060308.htm

3 Release Contents

Prospect® RP16.6 DAT release is a cumulative release that contains all the DAT upgrades from RP15.3 to RP16.5. It also has the following new features:

3.1 New Features

- This release adds support for two new EVDO 8.1 templates shown below.

Table 4 - New EVDO 8.1 templates added in this DA release

<i>Entity</i>	<i>Template</i>
DO_RNC	CapacityLicensingPerf
DO_RNC_CPU	CPUUtilizationATCA

- This release also has extensive changes to the DA_Tools.pdf document which includes a new EVDO section as well as enhancement to the table that contains datatype configuration information, steps to troubleshoot “cbrs” errors.

3.2 Resolved Issues

Table 5 - List of problems present in the previous release that have been resolved

<i>CQ/PMR</i>	<i>Description</i>	<i>Action Taken</i>
CQ= valnt00103938	DA Tools guide update	The DA Tools Guide is updated based on customer feedback. This also includes steps to configure cbrs.cfg to reduce parser error.

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PMR= 91614 APAR= IZ61807 CQ= valInt00095856	Dom directories defined in the candidaterncquery config file, but don't exist on the EMS, causing data collection problems.	Fixed. The script will open and close telnet/ssh connection for every collection interval which collected by a single icf_chat.exp execution.
PMR= 02962 APAR= IZ64710 CQ= valInt00098039	After DST the naming convention of the CBM data files changed. There is a new timezone field, eg EST, or CST etc.	Fixed. The script will now collect both filename convention: <SDM_ID>.<MM>_<DD>_<YYYY>.<HHMMI>.<MSCNAME>.OT.CSV and <SDM_ID>.<MM>_<DD>_<YYYY>.<HHMMI>.<TIMEZONE>.<MSCNAME>.OT.CSV
CQ= valInt00101842	Extra space in \$FLEXDAHOME/NORTEL/cfg/mscpvg.cfg causes the line not to be seen by code	Fixed. The extra space will be trimmed and no PVG device will be missed by DA.
PMR= 61505 APAR= IZ69809 CQ= valInt00101965	Correct entries in DAT Host file for NTMMDM (PVG device loaded under incorrect MSC due to DAT file)	Fixed. The script will do exact match of the PVGID (configured in mscpvf.cfg) against the source filename.
PMR= 61603 APAR= IZ70841 CQ= valInt00104112	CBRS data is not loading. customer encounters error messages such as shown below in the parser log: parse.200905060000.log: nt_ppcsta_parse: 090506020327: Error: ABCD1234_1_BSM_1_ABCD12343: Missing config file entry -- record discarded: (File=data/abcd1234_1_bsm_1_ppcbrabcd1234/sta/src/ppc_sta_20090505T120000_ABCD12343_442.bdf Record=1 Interface=(EM/ABCD12343 BtsBcn/43 BtsBcnlf/36)) This is due to the fact that the cbrs.cfg does not include the new interface, for this case BtsBcn/43.	Fixed. Added new interface into the cbrs.cfg.

4 Media Content

Prospect® Nortel EVDO8.1 / CDMA MTX17 DAT for RP16.6 is composed of the following media:

1. *DA Software. 7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000.tar*
2. *Release notes for DA (7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000.pdf)*
3. *Documentation: DA_Tools.pdf*

4.1 DAT Manifest

patches/
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/package.info
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/set_ntcdma.ksh
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/cbrs.cfg
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/batchscp.exp
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/bsmomdist.exp
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/chgpswd.exp
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/extract.pl
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/extract_rmt.pl
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/host.ntcdma.cfg.sample
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/icf_chat.exp
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/mtxtablesdist.exp
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/ntcdma_cfg.txt
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/ntcdma_errormsg.txt
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/patch.sh
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/pgmcsdmomdist.exp
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/ppcstaget.exp
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/rncom-spacecalc
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/rncomdist.exp
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/rncomdist_rmt.exp
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/templateFile
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/mgntmmdmdist.exp
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/rncomdist_concat.exp

IBM Prospect Nortel EVDO8.1 / CDMA MTX17 DAT for RP16.6 Release Notes
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/mccfgdist_concat.exp
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/emsrcn.cfg
patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/mscpvfg.cfg

5 Software Requirements & Installation

5.1 Software Requirements

To view the software products required to install the Prospect® Nortel EVDO8.1 / CDMA MTX17 DAT for RP16.6 system refer to the Prospect Installation Guide, which is included in the release media packaging (CD/DVD) or online download via web portal.

5.1.1 Supported Platforms

See Pre-requisites section in Prospect release notes for supported platforms.

5.2 Installation

5.2.1 Prerequisites

Baseline Requirements

The base environment require for the deployment of this patch is:

- Prospect® Data Acquisition (DA) Toolkit 7.1 / Nortel CDMA RP15.3 Base, or
- Prospect® Data Acquisition (DA) Toolkit 7.1 / Nortel CDMA RP16.0 Base

This patch is a cumulative upgrade and can be applied against:

- Prospect® Data Acquisition (DA) Toolkit 7.1 / Nortel CDMA RP15.3 Patch01
- Prospect® Data Acquisition (DA) Toolkit 7.1 / Nortel CDMA RP15.3 Patch02
- Prospect® Data Acquisition (DA) Toolkit 7.1 / Nortel CDMA RP16.0 Patch03
- Prospect® Data Acquisition (DA) Toolkit 7.1 / Nortel CDMA RP16.1 Upgrade
- Prospect® Data Acquisition (DA) Toolkit 7.1 / Nortel CDMA RP16.2 Upgrade
- Prospect® Data Acquisition (DA) Toolkit 7.1 / Nortel CDMA RP16.3 Patch01
- Prospect® Data Acquisition (DA) Toolkit 7.1 / Nortel CDMA RP16.4 Upgrade
- Prospect® Data Acquisition (DA) Toolkit 7.1 / Nortel CDMA RP16.5 Patch01

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

5.2.2 Pre-Installation Instructions

The following instructions must be executed on the Prospect DA server.

1. Log in as user flexda.
2. Go to the \$FLEXDAHOME directory:

```
$ cd $FLEXDAHOME
```
3. Copy the file 7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000.tar to this directory.
4. Remove templateFile.current and cbrs.current from \$FLEXDAHOME/cfg if it persist in the directory

```
$rm $FLEXDAHOME/cfg/cbrs.current  
$rm $FLEXDAHOME/cfg/templateFile.current
```
5. Make a copy of the cbrs.cfg and templateFile file as they will be overwritten by the new DA software. (Users may want to revert back to old copies after upgrade if needed)

```
$ cp $FLEXDAHOME/cfg/cbrs.cfg $FLEXDAHOME/cfg/cbrs.current  
$ cp $FLEXDAHOME/cfg/templateFile \\  
$FLEXDAHOME/cfg/templateFile.current
```
6. Extract the package using the following command. This will create a subdirectory (patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/) in \$FLEXDAHOME and will extract files into this directory:

```
$ tar -xvf 7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000.tar
```

5.2.3 Installation Instructions

1. Log in as user flexda.
2. Backup the cron job

```
$ crontab -l > crontab.save.<date>
```

Example of <date> could be 20091010, and make sure the backup file is created.
3. Stop the cron job

```
$ crontab -r
```
4. Go to the directory \$FLEXDAHOME/patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000

```
$ cd \  
$FLEXDAHOME/patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000
```
5. Install the patch.

```
$ ./patch.sh -install 2>&1 | tee install.log.$$
```
6. Review the install log file. If there are any concerns or issues, please contact IBM support team for help.

5.2.4 Post-Installation Instructions

1. Log in as flexda user.
2. Make a backup copy of the
\$FLEXDAHOME/INSTALL/localhost/cfg/<hostname>.ntcdma.cfg file
3. Update the required following information for the MTX, RNC, SDM, and MMDM configuration in :
\$FLEXDAHOME/INSTALL/localhost/cfg/<hostname>.ntcdma.cfg.

For more information, refer to following:

\$FLEXDAHOME/INSTALL/ALL/doc/host.ntcdma.cfg.sample and refer to section *Field Description in Data Acquisition Tools 7.1 for Nortel AMPS/TDMA/CDMA MTX17* for further information on how to configure the new parameters.

4. For upgrade from version before RP16.5, populate the emsrnc.cfg and mscpvfg.cfg in \$FLEXDAHOME/cfg. Refer to section *Configuration Files Example in Data Acquisition Tools 7.1 for Nortel AMPS/TDMA/CDMA MTX16* for further information on how to configure these files.

Enable the write permission before editing the emsrnc.cfg and mscpvfg.cfg:

```
$ chmod u+w $FLEXDAHOME/NORTEL/cfg/emsrnc.cfg
$ chmod u+w $FLEXDAHOME/NORTEL/cfg/mscpvg.cfg
```

For upgrade from version RP16.5, restore both emsrnc.cfg and mscpvfg.cfg from \$FLEXDAHOME/patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000/backup to \$FLEXDAHOME/NORTEL/cfg/

```
$ cp $FLEXDAHOME/patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-
FP0000/backup/emsrnc.cfg.bak $FLEXDAHOME/NORTEL/cfg/emsrnc.cfg
$ cp $FLEXDAHOME/patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-
FP0000/backup/mscpvg.cfg.bak $FLEXDAHOME/NORTEL/cfg/mscpvg.cfg
```

Enable the write permission before restore the emsrnc.cfg and mscpvfg.cfg:

```
$ chmod u+w $FLEXDAHOME/NORTEL/cfg/emsrnc.cfg
$ chmod u+w $FLEXDAHOME/NORTEL/cfg/mscpvg.cfg
```

5.2.5 Changes to MTX section of <hostname>.ntcdma.cfg

Update this section to retrieve data from MTX. New parameters were added to support MTX connection through CBM. The new or updated data is highlighted in blue color.

```
#
# MTX
# Prospect Loader target directory
tdir=/u01/apps/WatchMark/FlexPM/Nortel/x/vendor/Nortel/MS/ftpIN/MTX12/in

# MARKET      TGTDIR      SRCIP          SRCID          SRCUSER        SRCPSWD      NOOFOMGRPS
# -----
#             AFTPOR      CHGPSWD      DATATYPES
#             -----
# OMGRPSCFG          TMADJ
```

```

# -----
# CBMPASSTHROUGH      CBMIP      CBMSRCUSER      CBMSRCPSWD
# -----
# SECURERETRIEVE      SECUREDELIVER      PSWD_AUTH
# -----
set -A ntcdma_mtx
SD      $tmdir      99.99.99.99      MTX48      mtxuser      mtxpass      337      \
30001      Y      mtxom, trkmem, tables, omshow, actlog      \
cfg/omgroups.cdma      60      \
N      99.99.99.99      cbmuser      cbmpass      \
1      1      N      \
SD      $tmdir      99.99.99.99      MTX49      mtxuser      mtxpass      337      \
30001      Y      mtxom, trkmem, tables, omshow, actlog      \
cfg/omgroups.cdma      60      \
N      99.99.99.99      cbmuser      cbmpass      \
1      1      N      \
SD      $tmdir      99.99.99.99      MTX50      mtxuser      mtxpass      337      \
30001      Y      mtxom, trkmem, tables, omshow, actlog      \
cfg/omgroups.cdma      60      \
N      99.99.99.99      cbmuser      cbmpass      \
1      1      N

```

5.2.6 Changes to RNC section of <hostname>.ntcdma.cfg

Update this section to retrieve EVDO data. **This section needs to be updated regardless of whether the file concatenation feature is being turned on or turned off at the EMS.** New parameters are added and *scratcharea* was removed to support new RNC OM collection method. Before updating this section for each EMS, determine whether the EVDO concatenation option is turned on or off. (You may have to consult the EMS administrator(s) for this information.) EVDO Concatenation is an EVDO 8.0 feature that enables collection of concatenated data files. Once you have that information, you are ready to edit this section.

- 1) The new or updated data highlighted in blue color. Removed section highlighted in red color and *Italic*. Lines prefix with '#' and in bold are for explanation only and should not be put between lines ending with '\'.
- 2) *SCRATCHAREA* is not common among RNCs anymore. It resides on the EMS when *REMOTE_COMPRESSION* is set to Y. *REMOTE_COMPRESSION* can vary among the RNC entries as well. The *SCRATCHAREA* parameter was moved to bottom of the section and needs to be filled with absolute path. Please make sure the path set in *SCRATCHAREA* is a valid path.
- 3) *DOM_BATCH_SIZE* only be used when the *REMOTE_COMPRESSION* is set to Y. If *REMOTE_COMPRESSION* is set to N, *DOM_BATCH_SIZE* should be 'none'. To disable the batching mechanism, set *DOM_BATCH_SIZE* to a number higher than number of DOMs in *candidaterncQuery<date>.txt* file.
- 4) *REMOTE_COMPRESSION* is only applicable when *CONCAT_ON* is set to 'N'.
- 5) The *DOM_COLLECTION* is used to enable or disable the DOM file collection. When *CONCAT_ON* is set to 'N', setting *DOM_COLLECTION* to 'Y' will instruct DA to collect the DOM files configured in *candidaterncQuery<date>.txt* file. Setting *DOM_COLLECTION* to 'N' will stop DA from collecting DOM files even if the DOM was configured in *candidaterncQuery<date>.txt* file. When *CONCAT_ON* is set to 'Y', setting *DOM_COLLECTION* to 'Y' will instruct DA to collect the DOM template files. Setting *DOM_COLLECTION* to 'N' will stop DA from collecting DOM template files. This is controlled by the *EMSFILIELIST* variable in the .icf file.
- 6) When *CONCAT_ON* is set to 'Y', only 1 entry each for *rncom* and *rncfg* should be configured for the same *SRCID* (or EMS IP). The sample below shows *rnc01* and *rnc02* being configured for *ems01* with *CONCAT_ON* set to 'N', while only 1 entry is configured for *ems02* which has *CONCAT_ON* set to 'Y' and *RNCID* set to *SRCID*.

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7) ALL_EMS_LIST and CONFIG_TARGET are applicable to rncfg datatype when CONCAT_ON is set to 'Y'. In other cases set both these to 'none'. (Refer to *Appendix H* in *Data Acquisition Tools 7.1 for Nortel AMPS/TDMA/CDMA MTX17* for sample file)

```
#
# RNC
#
# RNC OM Source Base Directory
rncmsdir=/appdata/dcFiles
rnccfgsdir=/appdata/dcFiles

# Local scratch area for RNC OM file processing
# If none is used, do not change this configuration below
# (defaulted to $LOCALDIR/tmp)
scratcharea='$LOCALDIR/tmp'

# Prospect Loader target directory
tdir=/u01/apps/WatchMark/FlexPM/Nortel/x/vendor/Nortel/MSC/ftpIN/MTX12/in

# Prospect Loader target directory for rncfg candidaterncquery
cfgoutputdir=/u01/apps/WatchMark/FlexPM/Nortel/x/vendor/Nortel/MSC/ftpIN/evdo_cfg

# List of EMS and related RNC
emslist=$FLEXDAHOME/cfg/emsrnc.cfg

# * SCRATCHAREA option is only applicable to rncm datatypes.
# For rncfg datatypes, just set SCRATCHAREA to 'none'
#
# MARKET  TGTDIR  SRCIP          SRCID  RNCID  SRCUSER  SRCPSWD
# -----  -----  -----
# SRCDIR          DATATYPES  TMADJ    DOM_BATCH_SIZE  DOM_COLLECTION
# -----  -----  -----  -----  -----
# SECURERETRIEVE SECUREDELIVER PSWD_AUTH REMOTE_COMPRESSION
# -----  -----  -----  -----
# SCRATCHAREA  ALL_EMS_LIST  CONCAT_ON  CONFIG_TARGET
# -----  -----  -----  -----
set -A ntcdma_rnc \

# Sample rncfg entry for non file concatenation EMS
SD      $tdir  99.99.99.99  ems01  rnc01  emsuser  emspass  \
$rnccfgsdir  rncfg  0          none   \
1        1        N          N      \
none     none   N          none  \

SD      $tdir  99.99.99.99  ems01  rnc02  emsuser  emspass  \
$rnccfgsdir  rncfg  0          none   \
1        1        N          N      \
none     none   N          none  \

# Sample rncm entry for non file concatenation EMS
SD      $tdir  99.99.99.99  ems01  rnc01  emsuser  emspass  \
$rncmsdir/RNC_99.99.99.99  rncm  0      50    N      \
1        1        N          Y      \
<scratcharea>  none   N          none  \
SD      $tdir  99.99.99.99  ems01  rnc02  emsuser  emspass  \
$rncmsdir/RNC_99.99.99.99  rncm  0      50    N      \
1        1        N          Y      \
<scratcharea>  none   N          none  \

# Sample rncfg entry for file concatenation EMS (only 1 entry per EMS)
SD      $tdir  99.99.99.99  ems02  ems02  emsuser  emspass  \
$rnccfgsdir  rncfg  0          none   \
1        1        N          N      \
none     $emslist  Y          $cfgoutputdir  \
```

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```
# Sample rncom entry for file concatenation EMS (only 1 entry per EMS)
SD $tdir 99.99.99.99 ems02 ems02 emsuser emspass \
$rncomsdir/concatenatedOM rncom 0 50 N \
1 1 N Y \
<scratcharea> none Y none \
```

5.2.7 Sample settings for EMS with file concatenation feature disabled

Here are sample settings for a RNC does not have the file concatenation feature turned on the EMS:

- 1) Set ALL_EMS_LIST to none
- 2) Set CONCAT_ON to 'N'
- 3) Set CONFIG_TARGET to none

5.2.8 Sample settings for EMS with file concatenation feature enabled.

Note: Once file concatenation feature is turned on the EMS, this section can be used to configure existing RNC's to work with concatenated files.

Here is an example of config entries for an EMS where file concatenation feature has been turned on. Assume that the EMS name is *ems11* and it has 2 RNCs: *ems11rnc111* and *em11rnc112*. Below is a comparison of the entries in the <hostname>.ntcdma.cfg before and after the concat feature is enabled.

The following sample entries are for *rnccfg* & *rncom* datatype in the host configuration file BEFORE file concatenation is enabled:

```
# MARKET TGTDIR SRCIP SRCID RNCID SRCUSER SRCPSWD
# -----
# SRCDIR DATATYPES TMADJ DOM_BATCH_SIZE DOM_COLLECTION
# -----
# SECURERETRIEVE SECUREDELIVER PSWD_AUTH REMOTE_COMPRESSION
# -----
# SCRATCHAREA ALL_EMS_LIST CONCAT_ON CONFIG_TARGET
# -----

SD $tdir 99.99.99.99 ems11 ems11rnc111 emsuser emspass \
$rncfgsdir rnccfg 0 none N \
1 1 N N \
none none N none \

SD $tdir 99.99.99.99 ems11 ems11rnc112 emsuser emspass \
$rncfgsdir rnccfg 0 none N \
1 1 N N \
none none N none \

SD $tdir 99.99.99.99 ems11 ems11rnc111 emsuser emspass \
$rncomsdir/RNC_99.99.99.99 rncom 0 50 N \
1 1 N Y \
/tmp/scratcharea none N none \

SD $tdir 99.99.99.99 ems11 ems11rnc112 emsuser emspass \
$rncomsdir/RNC_99.99.99.99 rncom 0 50 N \
1 1 N Y \
/tmp/scratcharea none N none \
```

The following entries are for rncfg & rncm datatype in the host configuration file AFTER file concatenation is enabled:

```
# MARKET  TGTDIR  SRCIP          SRCID  RNCID  SRCUSER  SRCPSWD
# -----  -----  -----  -----  -----  -----  -----
# SRCDIR          DATATYPES  TMADJ    DOM_BATCH_SIZE  DOM_COLLECTION
# -----  -----  -----  -----  -----
# SECURERETRIEVE  SECUREDELIVER  PSWD_AUTH  REMOTE_COMPRESSION
# -----  -----  -----  -----
# SCRATCHAREA  ALL_EMS_LIST  CONCAT_ON  CONFIG_TARGET
# -----  -----  -----  -----

SD      $tdir  99.99.99.99  ems11  ems11  emsuser  emspass  \
$rncfgsdir  rncfg      0      none      N      \
1          1          N          N          \
none      $emslist  Y      $cfgoutputdir  \
SD      $tdir  99.99.99.99  ems11  ems11  emsuser  emspass  \
$rncmsdir/concatenatedOM  rncm      0      50      N      \
1          1          N          Y          \
/tmp/scratcharea  none      Y      none      \
```

Important Notes:

Make a backup copy of the \$FLEXDAHOME/INSTALL/localhost/cfg/<hostname>.ntcdma.cfg file before enabling file concatenation for a particular EMS.

- 1) Make sure only 1 entry per EMS for both rncfg & rncm datatype.
- 2) Set RNCID to same as SRCID
- 3) Set CONCAT_ON to 'Y'
- 4) Set SRCDIR to a valid path for rncm datatype
- 5) Set CONFIG_TARGET to valid path for rncfg datatype
- 6) Create entries in the file pointed to by the ALL_EMS_LIST variable for the "rncfg" datatype. Populate the file with the EMS name, pipe delimited by the comma separated RNC names. For example in this case, add the following line into this file:

```
ems11|ems11rnc111,ems11rnc112
```

- 7) Run setconfig.ksh script (refer to Step 6 of Section 5).

5.2.9 Changes to SDM Section of <hostname>.ntcdma.cfg

Update this section to retrieve data from SDM. The new or updated data highlighted in blue color. The MTXNAME parameter was added to support data file naming for customers who are converting from AFT to SDM/CBM. For other customers, the MTXNAME needs to match MSCNAME. The MTXNAME value needs to be same as value set in msc_list.

```
#
# SDM
#
sdmsdir=/omdata/closedNotSent
cbmsdir=/cbmdata/00/billing/ama/closedNotSent
sdmdir=/omdata/closedSent
cbmdir=/cbmdata/00/billing/ama/closedSent

# Prospect Loader target directory
```

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```
tdir=/u01/apps/WatchMark/FlexPM/Nortel/x/vendor/Nortel/MSC/ftpIN/MTX12/in

# MARKET  TGTDIR  SRCIP          SRCID          MSCNAME  SRCUSER  SRCPSWD
# -----  -
#          SRCDIR  CBMSRCDIR      SRCOPT        DATATYPES  TMADJ    COLMULT
#          -----  -
# MVSRC    SDMDDIR          CBMDDIR
#          -----  -
#          SECURERETRIEVE SECUREDELIVER PSWD_AUTH  MTXNAME
#          -----  -
set -A ntcdma_sdm \
SD      $tdir      99.99.99.99   sdm01      msc01      sdmuser01 sdmpass01 \
        $sdmsdir $cbmsdir      both      sdmom      0          yes      \
yes     $sdmddir      $cbmddir
        1          1          N          mtxname
```

5.2.10 Changes to MGNTM MDM Section of <hostname>.ntcdma.cfg

Update this section to retrieve MGNTM MDM (PVG) data. The new or updated data is highlighted in blue color. The `PVG_LIST` was added to support files collection from CNM. `PVG_LIST` file contains the mapping between SRCID (the MSC) and the PVG. Refer to *Appendix H* in *Data Acquisition Tools 7.1 for Nortel AMPS/TDMA/CDMA MTX17* for a sample `PVG_LIST` file.

```
#
# MGNTM MDM
#

sdir=/opt/MagellanNMS/data/pmsp/group_id/closedNotSent
ddir=/opt/MagellanNMS/data/pmsp/group_id/closedSent

# Prospect Loader target directory
tdir=/u01/apps/WatchMark/FlexPM/Nortel/x/vendor/Nortel/MSC/ftpIN/MTX12/in

pvglst=$FLEXDAHOME/cfg/mscpvg.cfg

# MARKET  TGTDIR  SRCIP          SRCID          SRCUSER  SRCPSWD
# -----  -
#          SRCDIR  DATATYPES      TMADJ          MVSRC    DDIR
#          -----  -
#          SECURERETRIEVE SECUREDELIVER PSWD_AUTH  PVG_LIST
#          -----  -
set -A ntcdma_ntmmdm \
SD      $tdir      99.99.99.99   mtx01      username   password   \
        $sdir      ntmdm      0          no         $ddir      \
1          1          N          pvglst
```

5. Populate the `emsrcn.cfg` and `mscpvg.cfg` in `$FLEXDAHOME/cfg` if required. Refer to *Appendix H* in *Data Acquisition Tools 7.1 for Nortel AMPS/TDMA/CDMA MTX17* for further information on how to configure these files. Enable the write permission before editing the `emsrcn.cfg` and `mscpvg.cfg`:

```
$ chmod u+w $FLEXDAHOME/NORTEL/cfg/emsrcn.cfg
$ chmod u+w $FLEXDAHOME/NORTEL/cfg/mscpvg.cfg
```

6. Run `setconfig.ksh` script

```
$ cd $FLEXDAHOME
$ FLEXDAHOME/INSTALL/ALL/scripts/setconfig.ksh \
$ FLEXDAHOME/INSTALL/localhost/cfg/<hostname>.ntcdma.cfg
```

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The following warnings may appear:

- i. Warning: Only 1 entry of rncm/rncfg per EMS (<ems>) is required when CONCAT_ON is set to "Y". Make sure only 1 entry of rncm and rncfg is configured for that particular EMS when file concatenation is enabled.
 - ii. Warning: Both rncm or rncfg configuration for <ems> are required to set CONCAT_ON to "Y". Make sure both rncm and rncfg entry for that particular EMS is with CONCAT_ON set to "Y" when file concatenation is enabled.
7. Refer to *Appendix I in Data Acquisition Tools 7.1 for Nortel AMPS/TDMA/CDMA MTX17* for cron job setup for EVDO traffic data.
 8. Start the cron job

5.2.11 Uninstall Instructions

1. Log in as user flexda.
2. Stop the cron job

```
$ crontab -r
```
3. Go to the directory \$FLEXDAHOME/patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000

```
$ cd \  
$FLEXDAHOME/patches/7.1.16.6-TIV-PROSPECTDA-NORCDM-FP0000
```
4. Uninstall the patch.

```
$ ./patch.sh -uninstall
```
5. Restore the \$FLEXDAHOME/INSTALL/localhost/cfg/<hostname>.ntcdma.cfg file from backup which was created during Section 5.2.4 Step 2.
6. Run setconfig.ksh script.

```
$ cd $FLEXDAHOME  
$FLEXDAHOME/INSTALL/ALL/scripts/setconfig.ksh \  
$FLEXDAHOME/INSTALL/localhost/cfg/<hostname>.ntcdma.cfg
```
7. Start the cron job with the crontab.save.<date> file which was created during Section 5.2.3 Step 2.

```
$ crontab crontab.save.<date>
```

5.3 Release Restrictions

This release is for **General availability**.

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5.4 Known Issues

None.

5.5 Dependent Known Issues in the core product

None.

6 IBM Support

6.1 Contacting IBM Support

Please use the IBM Tivoli Support website:
<http://www-306.ibm.com/software/sysmgmt/products/support/assistance.html>

7 Documentation Addendums

None.

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