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**FOR THE TELECOMMUNICATIONS INDUSTRY**

## CTS PRO

RELEASE NOTES

VERSION

**8.05.00**

Released: October, 2005

- A. CTS Pro Scheduler
- B. Four New Miscellaneous Reports
- C. Three New Busy Hour Reports
- D. Five Reports Renumbered
- E. New Reports Tab Added - MTX
- F. Moved Three Reports to Wireless Tab

With over 20 years of experience in the telecommunications industry, Computerised Business Systems, Inc. creates software solutions which are aimed at adding value to our customer's business through increased productivity, profitability, growth and competitive advantage.



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## New Features

### CTS Pro - Version 8.05.00

#### A. CTS Pro Scheduler

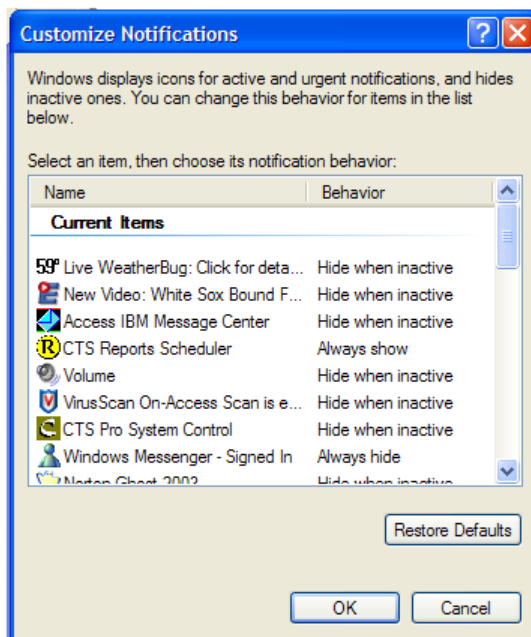
The CTS PRO Scheduler is included in release 8.05.00. This convenient feature allows the user to schedule reports to be run at set times and then saved to file, printed, exported to Excel or E-mailed to the user.

After installation is complete, reboot the machine. The CTS PRO Scheduler will load automatically with CTS PRO. To verify that the CTS PRO Scheduler is running, look for a yellow circle with an R in the center in the System Tray (lower right on start bar).



If the icon does not appear, it may be a setting in your Start Menu Properties. To change this setting, follow the steps below:

1. Right click on the start menu and left-click on properties.
2. At the bottom of the Taskbar tab, is a checkbox for 'Hide Inactive Icons'. Click the checkbox (to insert a green check).
3. Click 'Customize'. The following screen will appear.



4. Locate the CTS Reports Scheduler icon.
5. Click on appropriate line under Behavior.
6. Choose 'Always Show'.
7. Click OK
8. Click OK on the Start Bar Properties Dialog Box.

The icon should now appear at all times, regardless of status, in the system tray.

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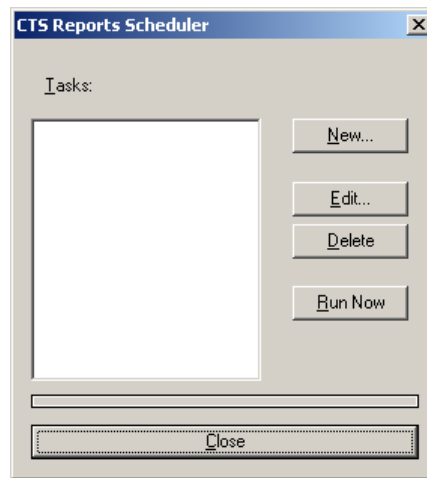


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The icon will change colors based on the status of the CTS PRO Scheduler. The color key is as follows:

- Yellow - Scheduler is in standby.
- Green - Scheduler is running a scheduled task.
- Red - Scheduler has stopped or is in error.

To begin using the Scheduler, right-click on the icon in the system tray and choose Setup. The following screen will appear:



To schedule a report to be run, the user must create a task.

Click the New button to set up a new task.

Click the Edit button to change the details on a current task.

Click the Delete button to completely remove a task.

If you would like to run a task immediately, highlight the task and click Run Now.

Once a task has been created, it will appear in the Task window until deleted.

Click Close to close the window and exit the CTS Reports Scheduler Setup.



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Once the user clicks the New button, the following dialog box appears:

The screenshot shows the 'CTS Reports Scheduler Settings' dialog box. It has two tabs: 'When' and 'What'. The 'When' tab is active. The dialog contains the following fields and sections:

- Task Name:** A text input field with a callout: "Enter a name for the new task."
- Enabled:** A checkbox with a callout: "Click Enable if you would like this task to run when scheduled."
- Run At:** Fields for Date (10 / 11 / 2005) and Time (12 : 59 : 59 PM).
- Repeat:** Radio buttons for 'Run Once' and 'Repeat Every:'. The 'Repeat Every' section has input fields for Months (0), Days (0), Hours (0), and Minutes (0).
- Information:** A tree view with expandable nodes: Exchange, Site, Group, Field, and Collection Set.
- Available Exchanges:** A list box with columns 'Number' and 'Name'. The list includes: 1 La Crescent, 2 Abimael, 4 Gibsonia, 6 New Holland, PA, 9 Wexford, 11 MDTN WIXA DS2 - Mid P..., 17 west glendive - Mid-Rivers, 25 Round Up - Mid-Rivers, 28 Bahamas Telecommunica..., 31 Miles City, 100 SRT, 101 North Pittsburg, 102 Litz, 123 Perham DMS-10 - East Dt..., 150 BTU Test ENETOCC, 201 North Kings Street - Farmers, 202 BTC.
- Observation Period:** Start Date (01/01/1990) and End Date (08/07/1970).
- Business Hours:** Start Hour (8) and End Hour (17).
- Print By:** Radio buttons for 'All Groups', 'Selected Groups', and 'Report Sets'.
- Interval Range:** Radio buttons for 'Include' and 'Exclude', and 'Starting Interval' and 'Ending Interval' dropdown menus.
- Buttons:** OK, Cancel, and Apply.

Callouts from the image:

- "Enter the first date and time to run the new task." points to the Run At Date and Time fields.
- "Check if you want the task to run once or be repeated." points to the Repeat radio buttons.
- "Enter how often you would like the task to run." points to the Repeat Every input fields.

- When the task is run, the date becomes part of the title. Therefore, it is not necessary to place the date in the name of the task.
- If you do NOT check the enable box, the task will be created, but will not run as scheduled. You must check the ENABLE box to actually have the report run.
- When setting up the repeat schedule, enter a number in the months, days, hours or minutes box to determine the interval between the report generation.

For example:

2 months - the report will run on the Run date you selected, and will regenerate every two months from that date.



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The user continues setting up the new task by choosing various options on the **When** tab:

The screenshot shows the 'CTS Reports Scheduler Settings' dialog box with the 'When' tab selected. Callouts provide instructions for various fields:

- Choose the report you wish to run by highlighting it.** (Points to the 'Information' tree on the left)
- Choose the exchange you wish to run the report on.** (Points to the 'Available Exchanges' list)
- The report you select determines which options are available.** (Points to the 'Business Hours' and 'Interval Range' sections)

The dialog box includes the following sections:

- Task Name:** A text input field.
- Run At:** Date and Time selection fields.
- Repeat:** Radio buttons for 'Run Once' and 'Repeat Every' with fields for Months, Days, Hours, and Minutes.
- Information:** A tree view with expandable nodes: Exchange, Site, Group, Field, and Collection Set.
- Available Exchanges:** A list box showing a table of exchanges.
- Observation Period:** Start Date and End Date selection fields.
- Business Hours:** Start Hour and End Hour selection fields.
- Interval Range:** Radio buttons for 'Include' and 'Exclude', and 'Starting Interval' and 'Ending Interval' selection fields.
- Print By:** Radio buttons for 'All Groups', 'Selected Groups', and 'Report Sets'.
- Buttons:** OK, Cancel, and Apply.

**Observation Period:** Determines the dates of the data which will appear in the report. Click on the arrow next to Start Date. A calendar is then provided for you. Use the arrow at the top of the calendar to advance or recede to the appropriate month. Click on the correct date. Adjust the End Date accordingly.

**Business Hours:** For some reports, it may be necessary to indicate what the normal business hours are. Click on the up or down arrow to choose the Start Hour and the End Hour for the report data. This is done in military (24 hour) time.

**Interval Range:** Some reports require the user to indicate whether to include or exclude a poll time. For example: When calculating an average busy hour report, you may wish to exclude certain hours of the day/night.

**Print By:** The user will need to select whether they want to sort by All Groups, Selected Groups or Report sets. The option chosen here will determine which options appear on the **What** screen (see next page).

Once the user has selected all available options on this page, click the **What** tab at the top of the screen.



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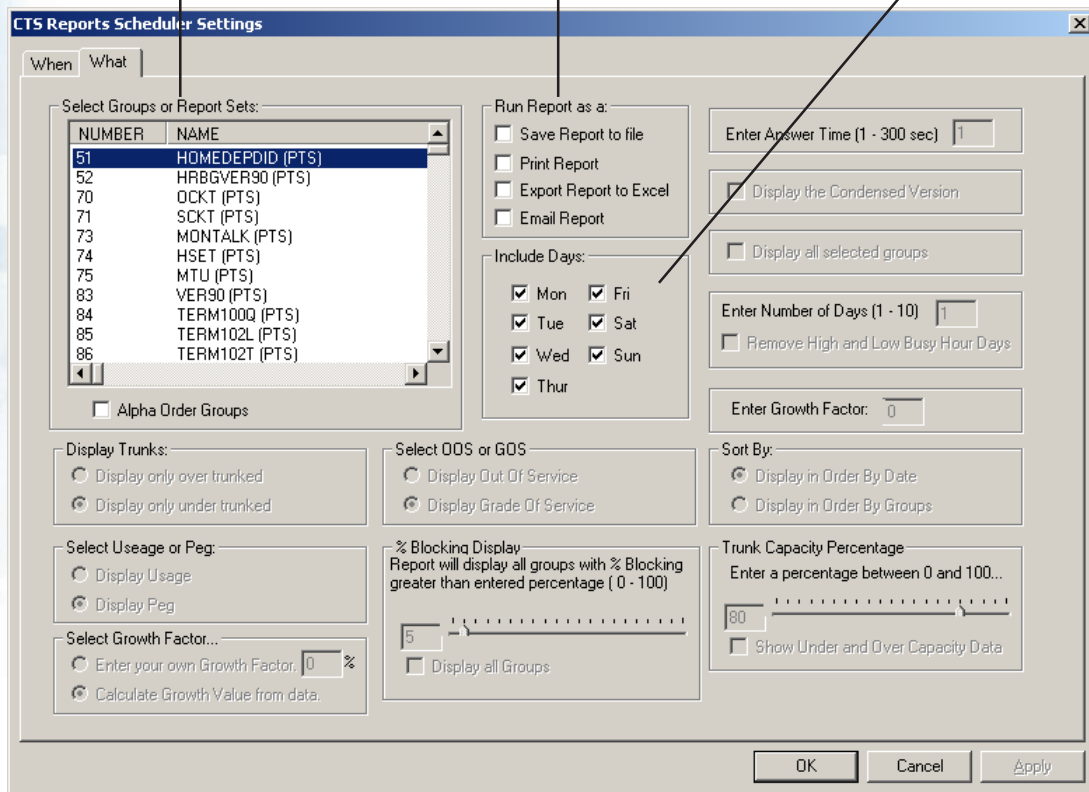
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The options shown on the **What** tab are determined by both the report which was selected and the Print By options picked on the **When** tab.

Select multiple groups or report sets based on your needs.

Choose how you would like to receive the report.

Choose which days you want the report to cover.



The options available for selection are determined by the report you selected on the **When** tab. If an option is grayed out, then that information is not necessary to run the selected report.

**Groups or Report Sets:** If you chose All Groups or Selected Groups on the **When** tab, then groups will appear. If you chose Report Sets, then Report Sets will appear. You may pick more than one by holding down the control key as you make your selections.

**Run Report as a:** The user can determine how they would like to receive the report. More than one method can be selected.

- **Save Report to File:** This saves the report as a .dat file which can be opened using the CTS Reports Viewer.
- **Print Report:** This option prints a copy of the report on your default printer.
- **Export Report to Excel:** This option saves a copy of the report, in Excel format, to your hard drive.
- **Email Report:** This option allows you to send the report by e-mail to one or more recipients. You must have the IP address of the incoming mail server.

Once all desired options are selected on both the **When** and the **What** tab, Click **OK**.





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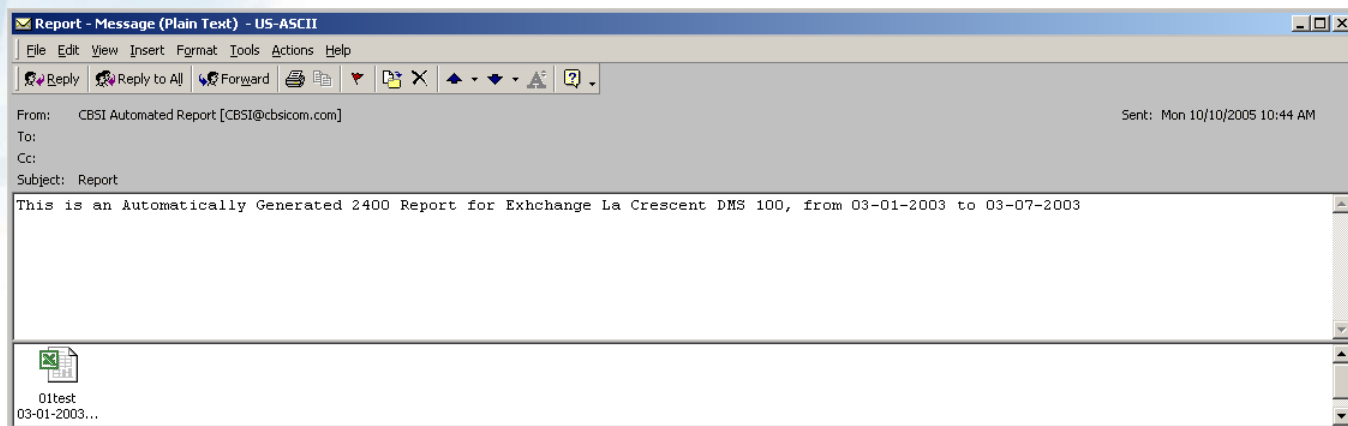
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## CTS PRO Scheduler - Misc Notes

- A task will run, as scheduled, until the enable checkbox (on the **When** tab) is unchecked.
- The user can create up to 25 tasks.
- Tasks cannot be run at the exact same time. If the user creates two tasks which are scheduled to run at the same date and time, the first task created will run, and the second will run after it.
- Any task can be run ahead of schedule by highlighting it and clicking the Run Now button on the setup screen.
- As new reports are added to CTS PRO, they will become available in the CTS PRO Scheduler.

If the user chooses to have the report e-mailed, the message will look as follows:



The report will be attached to the e-mail in Excel format.



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## B. Four New Miscellaneous Reports

CTS PRO has added four new reports under the Misc tab. These include:

### T-2335 Selected Field Report with no Headers

163 CHRLNCCA05T (\$S7)					
Date	Interval	Cos	Ovfl	Peg_in	Peg_out
03/01/2003	00:00-01:00	263.00	0	52	0
03/01/2003	01:00-02:00	255.00	0	63	0
03/01/2003	02:00-03:00	259.00	0	57	0
03/01/2003	03:00-04:00	256.00	0	63	0
03/01/2003	04:00-05:00	263.00	0	57	0
03/01/2003	05:00-06:00	260.00	0	61	0
03/01/2003	06:00-07:00	325.00	0	58	4
03/01/2003	07:00-08:00	313.00	0	68	0
03/01/2003	08:00-09:00	293.00	0	63	1
03/01/2003	09:00-10:00	306.00	0	71	0
03/01/2003	10:00-11:00	316.00	0	76	3
03/01/2003	11:00-12:00	309.00	0	68	1
03/01/2003	12:00-13:00	317.00	0	71	2
03/01/2003	13:00-14:00	337.00	0	56	3
03/01/2003	14:00-15:00	301.00	0	64	0
03/01/2003	15:00-16:00	305.00	0	63	0
03/01/2003	16:00-17:00	306.00	0	71	2
03/01/2003	17:00-18:00	327.00	0	61	5
03/01/2003	18:00-19:00	314.00	0	64	0
03/01/2003	19:00-20:00	284.00	0	62	0
03/01/2003	20:00-21:00	261.00	0	53	0
03/01/2003	21:00-22:00	257.00	0	63	0
03/01/2003	22:00-23:00	257.00	0	57	0
03/01/2003	23:00-24:00	258.00	0	58	0

### T-2897 Monthly Links Report

Included Days: Su, M, T, W, Th, F, Sa,		March 2003	
Group Number	Group Name	DS-1	Channels
9000	782-1000	10	240
9001	783-1000	2	48
9002	783-1000	2	48
9003	783-1000	2	48
9004	783-1000	2	48
9005	783-1000	2	48
9006	783-1000	3	72
9007	783-1000	2	48
9008	783-1000	2	48
9009	783-1000	4	96
9010	783-1000	96	2,304
9011	783-1000	2	48
9012	783-1000	2	48
9013	782-4155	2	48
9014	782-4155	2	48
9015	782-4155	2	48
9016	782-4155	2	48
9017	782-4155	2	48
9500	TOPSVR2	0	0
9600	CQ0	0	0
9601	CQ1	0	0
9602	CQ2	0	0
9603	CQ3	0	0
9604	CQ4	0	0
9605	CQ5	0	0
9606	CQ6	0	0
9607	CQ7	0	0
9608	CQ8	0	0
9609	CQ9	0	0
9610	CQ10	0	0
9611	CQ11	0	0
9612	CQ12	0	0
Monthly Total		141	3,384





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## T-2898 Monthly Lines Report

Included Days: Su, M, T, W, Th, F, Sa,		
Group Number	Group Name	March 2003
9000	782-1000	10
9001	783-1000	94
9002	783-1000	72
9003	783-1000	82
9004	783-1000	127
9005	783-1000	35
9006	783-1000	221
9007	783-1000	197
9008	783-1000	1
9009	783-1000	454
9010	783-1000	1
9011	783-1000	50
9012	783-1000	1
9013	782-4155	350
9014	782-4155	1
9015	782-4155	133
9016	782-4155	1
9017	782-4155	84
9500	TOPSVR2	0
9600	CQ0	0
9601	CQ1	0
9602	CQ2	0
9603	CQ3	0
9604	CQ4	0
9605	CQ5	0
9606	CQ6	0
9607	CQ7	0
9608	CQ8	0
9609	CQ9	0
9610	CQ10	0
9611	CQ11	0
9612	CQ12	0
<b>Monthly Total</b>		<b>1,914</b>

## T-2440 Weekly Summary Dial Tone Delay Report

Group Number	Group Name	Sunday 06/01/2003		Monday 06/02/2003		Tuesday 06/03/2003		Wednesday 06/04/2003		Thursday 06/05/2003		Friday 06/06/2003		Saturday 06/07/2003		7 Day Total	
		DGTDLY	DGTTOT	DGTDLY	DGTTOT	DGTDLY	DGTTOT	DGTDLY	DGTTOT	DGTDLY	DGTTOT	DGTDLY	DGTTOT	DGTDLY	DGTTOT	DGTDLY	DGTTOT
73	MCNTALK (PTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	HSET (PTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	MTU (PTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	VER90 (PTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	TERM100Q (PTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	TERM102L (PTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	TERM102T (PTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL:		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



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## C. Three New Busy Hour Reports

CTR PRO has three new reports under the Busy Hour tab. These include:

### T-2308 Daily Summary Condensed Report

Group Number	Group Name	Date	Peg In	Peg Out	Total Peg	Total CCS	MOU (minutes)	Avg HT (minutes)	Max CCS	Max CCS Interval	Ovfl	Tandem
75	MTU (PTS)	06/01/2003	0	0	0	1.00	1.6667	0.0000	1.00	11:00-12:00	0	0
75	MTU (PTS)	06/02/2003	0	0	0	0.00	0.0000	0.0000	0.00		0	0
75	MTU (PTS)	06/03/2003	0	0	0	3.00	5.0000	0.0000	1.00	11:00-12:00	0	0
75	MTU (PTS)	06/04/2003	0	0	0	4.00	6.6667	0.0000	2.00	13:00-14:00	0	0
75	MTU (PTS)	06/05/2003	0	0	0	1.00	1.6667	0.0000	1.00	14:00-15:00	0	0
75	MTU (PTS)	06/06/2003	0	0	0	2.00	3.3333	0.0000	1.00	10:00-11:00	0	0
75	MTU (PTS)	06/07/2003	0	0	0	3.00	5.0000	0.0000	2.00	15:00-16:00	0	0
75	MTU (PTS)	06/08/2003	0	0	0	0.00	0.0000	0.0000	0.00		0	0
75	MTU (PTS)	06/09/2003	0	0	0	6.00	10.0000	0.0000	2.00	14:00-15:00	0	0
75	MTU (PTS)	06/10/2003	0	0	0	3.00	5.0000	0.0000	1.00	08:00-09:00	0	0
75	MTU (PTS)	06/11/2003	0	0	0	2.00	3.3333	0.0000	1.00	09:00-10:00	0	0
75	MTU (PTS)	06/12/2003	0	0	0	0.00	0.0000	0.0000	0.00		0	0
75	MTU (PTS)	06/13/2003	0	0	0	3.00	5.0000	0.0000	1.00	09:00-10:00	0	0
75	MTU (PTS)	06/14/2003	0	0	0	2.00	3.3333	0.0000	2.00	10:00-11:00	0	0
75	MTU (PTS)	06/15/2003	0	0	0	0.00	0.0000	0.0000	0.00		0	0
75	MTU (PTS)	06/16/2003	0	0	0	8.00	13.3333	0.0000	3.00	12:00-13:00	0	0
75	MTU (PTS)	06/17/2003	0	0	0	10.00	16.6667	0.0000	5.00	11:00-12:00	0	0
75	MTU (PTS)	06/18/2003	0	0	0	7.00	11.6667	0.0000	2.00	09:00-10:00	0	0
75	MTU (PTS)	06/19/2003	0	0	0	1.00	1.6667	0.0000	1.00	13:00-14:00	0	0
75	MTU (PTS)	06/20/2003	0	0	0	8.00	13.3333	0.0000	4.00	10:00-11:00	0	0
75	MTU (PTS)	06/21/2003	0	0	0	5.00	8.3333	0.0000	2.00	13:00-14:00	0	0
75	MTU (PTS)	06/22/2003	0	0	0	0.00	0.0000	0.0000	0.00		0	0
75	MTU (PTS)	06/23/2003	0	0	0	3.00	5.0000	0.0000	2.00	14:00-15:00	0	0
75	MTU (PTS)	06/24/2003	0	0	0	3.00	5.0000	0.0000	2.00	10:00-11:00	0	0
75	MTU (PTS)	06/25/2003	0	0	0	1.00	1.6667	0.0000	1.00	12:00-13:00	0	0
75	MTU (PTS)	06/26/2003	0	0	0	1.00	1.6667	0.0000	1.00	09:00-10:00	0	0
75	MTU (PTS)	06/27/2003	0	0	0	0.00	0.0000	0.0000	0.00		0	0
75	MTU (PTS)	06/28/2003	0	0	0	0.00	0.0000	0.0000	0.00		0	0
75	MTU (PTS)	06/29/2003	0	0	0	0.00	0.0000	0.0000	0.00		0	0
75	MTU (PTS)	06/30/2003	0	0	0	0.00	0.0000	0.0000	0.00		0	0

### T-2412 Daily Percent of Engineered Capacity Condensed Report

06/01/2003 Capacity Percentage: 50.00% Displaying All Data, Regardless of Being Over or Under Selected Capacity				
Group Number	Group Name	Trks Equipd	Trks Wrkng	Trks Reqrd
75	MTU (PTS)	38	36	2

### T-2418 Four Busy Hour Average Under Capacity Report

Capacity Percentage: 50.00%										
Group Number	Group Name	Avg BH CCS	Avg BH PEG	Engineered CCS	Grade of Service	Trks Equipd	Trks Wrkng	Trks Reqrd	Trks Over/ (Under)	BH CCS/ Engineered CCS
75	MTU (PTS)	2.00	0.00	846.893	B P.01	38	36	2	34	0.24%



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## D. Five Reports Were Renumbered

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CTR PRO has five reports which were renumbered to maintain organization. The report content did not change. They are:

Wireless Reports:

T-2410 is now T-2411

T-2710 is now T-2711

T-24017 is now T-24018

DMS-10 Reports:

D-28004 is now D-28404

D-28204 is now D-28504

## E. New Reports Tab Added - MTX

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A new reports tab was added called MTX. A number of current CTS PRO reports were moved to this tab to provide consistency and improve organization. The reports which will now appear on the MTX tab are:

T-2x269 OM Group ICPCP	T-2x290 OM Group MTXDCALL
T-2x270 OM Group ICPDCP	T-2x405 OM Group MTXPC1
T-2x271 OM Group ICPDFA	T-2x406 OM Group MTXPC2
T-2x272 OM Group ICPDFC	T-2x407 OM Group MTXPC3
T-2x273 OM Group ICPFC	T-2x297 OM Group OMMTX
T-2x274 OM Group ICPOVLD	T-2x421 OM Group OMMTX2
T-2x298 OM Group OMMTX3	T-2x299 OM Group OMMTXHO
T-2x408 OM Group OMMTXSYS	

## F. Moved Three Reports to Wireless Tab

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Three reports were moved to the Wireless tab in CTS Reports. They include:

T-24015	Hourly Dropped Calls Report
T-24016	Daily Dropped Calls Report
T-24017	Yearly Dropped Calls Report