Software Solutions

FOR THE TELECOMMUNICATIONS INDUSTRY

CTS PRO

Reports Summary

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We are constantly adding new reports to CTS PRO. Therefore, we may not have descriptions for all reports immediately available. We will update this document with new summaries as we receive them.

Information

T-100 Exchange Summary Report
Provides a summary of all of the exchanges you have setup. It includes exchange name/number, company name, state, country, number of access lines/groups/fields, and poll and data intervals for each exchange entered in your system.

T-101 Summary P-File Report

T-200 Site Summary Report
Provides a summary of all of the sites you have setup. It includes poll site name/number, the associated exchange(s) name and number, the poll interval, type of device, start and end text and time zone.

T-300 Group Summary Report
Provides a summary of selected groups in an exchange. It includes group name/number/type, search text/equation, subscriber and reference numbers, lines in use, table code, probability code, trunks equipped/working, LM lines, location, coverage market, cell site, associated analog/digital trunk number, and whether or not the group is calculated.

T-301 Trunk Group Summary Report
Provides a summary of selected trunk groups in an exchange. It includes Group name/number/type and lines equipped/working.

T-302 Wireless Trunk Summary Report
Provides a summary of selected wireless trunk groups in an exchange. It includes group name/number, search text, reference number, location, cell site, coverage market, associated analog/digit trunk numbers, trunks working/equipped, and equation.

T-303 Report Set Traffic Group Summary Report
Provides a summary of the Report Sets in an exchange. It includes each report set number and name, with all of its corresponding traffic group numbers and names.

T-304 Customer Summary Report

T-400 Field Summary Report
Provides a summary of fields in selected groups in an exchange. Includes field name, type, and length.

T-401 Collection Set Field Summary Report
Provides a summary of all of the fields in each collection set of an exchange. It includes collection set name/number, X and Y location, length, multiplier, and the equation of each collection set entered in a selected exchange.

T-501 Collection Summary Report
Provides a summary of all of the collection sets in a selected exchange. It includes the collection set name/number, start text/ occurrence, and end text/occurrences. Traffic group name and number associated with each collection set is also displayed

Busy Hour

T-2300 Summary Report
Provides a summary of the busy hour information of each day for each selected group in an exchange. It includes group name/number, peg in/out and total peg, usage in/out and total usage, MOU, avg. HT, max usage, BH of BD, overflow, blktrk, and tandem for each selected group in an exchange.

Avg. HT = (usage ÷ time) ÷ peg count

T-2301 Detailed Bouncing Busy Hour Report
Provides a summary for each selected group in an exchange on a daily basis for the selected observation period. It includes group name/number, peg/usage/overflow for each day, trunks working/equipped, trunks required, and trunks over/under. A total for each column is displayed at the bottom of each group. The highest peg/usage/overflow, hour ending, and traffic % for each day is also displayed at the bottom of each group.

T-2302 Daily Summary Report
Provides a daily summary report for selected groups in an exchange. It includes group name/number, date, peg in/out and total peg, usage in/out and total usage, MOU (minutes), avg. HT, max usage, max usage interval, overflow, blktrk, and tandem.

T-2304 Individual Group Monthly Average with Busy Hour Report
This report provides a monthly snapshot for selected groups in an exchange. It includes group name/number, date, peg in/out & total peg, CCS in/out & CCS total, MOU (minutes of use), average holding time, overflow, tandem, and grade of service. There is average busy hour information displayed at the bottom of the page for each group.

T-2305 Individual Group Daily Totals with Busy Hour Report
Provides a daily total for each selected group with Busy Hour listed. The "grade of service" or "out of service" may be shown. For each day selected, this report will display the BH, peg in/out, total peg, usage in/out, total usage, MOU, avg. HT, Overflow, Tandem, and the grade of service or out of service information. Also, the time period selected total for each group is shown and below that the monthly Busy Hour information broke out for each field.

T-2306 Busy % Ovfl/Trunks Working Report

T-2307 Daily Busy Hour % Ovfl/Trunks Working Report

T-2310 Monthly Summary Report
Provides a monthly summary report for selected groups in an exchange. It includes group name/number, date, peg in/out and total peg, usage in/out and total usage, MOU (minutes), Avg. HT, busy hour usage, the busy hour of the busy day and the overflow.

T-2400 Bouncing Busy Hour Report
Displays the busy hour for selected groups in an exchange. It includes group name/number, peg count, and usage for each requested day. The report also shows total usage, high BH usage, avg. BH usage, avg. BH peg, trunks equipped/working, trunks required, and trunks over/under for each selected group in an exchange.

T-2401 Daily Selected Hour Trunk Report
Provides a list of information regarding a selected hour for selected groups in an exchange. It includes the date, peg in/out and total peg, usage in/out and total usage, overflow, blk, tandem, glare, infail, outfail, avg. HT, the selected hour, trunks equipped/working, trunks required, and trunks over/under. The observation period total and average are also displayed for every column.

T-2402 Daily Busy Hour Trunk Report with Daily Totals
Provides two reports for each selected group. Busy hour information includes the selected date, BH peg in/out and total peg, BH usage in/ out and total usage, BH overflow, BH Blk, BH abandon, BH tandem, BH glare, BH infail, BH outfail, BH avg. HT, busy hour, Trunks equipped/working, trunks required, and trunks over/under. Daily total information includes the selected date, peg in/out and total peg, usage in/out and total usage, overflow, blk, abandon, tandem glare, infail, outfail and avg. HT. Both reports display observation period totals and period averages.

T-2403 Bouncing Busy Hour Report with Summary
Provides group name/number, peg count, and usage for each requested day. For each selected group in an exchange it shows total usage, high BH usage, avg. BH usage, avg. BH peg, trunks equipped/working, trunks required, and trunks over/under. The summary includes group name/number, avg. BH peg, avg. BH usage, high BH usage, total usage, the traffic table, trunks equipped/working, trunks required, and trunks over/under. A five-period growth forecast is incorporated in the summary as well.

T-2404 Daily Percent of Engineered Capacity Report
Provides information for the busy hour of selected groups in an exchange. It is possible to specify whether to display just the information for groups over a specified daily percent of engineered capacity, or information for all groups displayed regardless of being over/under capacity.

This report includes the group name/number, date, busy hour, total daily usage, engineered usage, grade of service, trunks equipped/working, trunks required, trunks over/under, and daily % of engineered capacity. There are also observation period averages at the bottom.

T-2406 Daily Time Consistent Busy Hour Report
This report displays the time consistent busy hour data on a daily basis. The busy hour is determined by:

- Sum the consistent hourly usage for every day of the observation period.
- Determine the hour of the highest sum of the hourly usage.

The Peak Hour/# of Times column tells the reader what hour has the highest sum of the hourly usage (first occurrence) and how many times that highest sum of the hourly usage occurred.

The report includes the group name/number and the peg count and usage for each group per day. Also displayed is the BH total usage, the total usage, high usage, avg. usage, avg. peg, avg. HT, Peak Hour/Number of times, trunks working/equipped, trunks required, and trunks over/under.

T-2407 Call Detail Report
This report displays call information per subscriber number for group and each hour of the day selected. The calls, busies, and usage for each hour of the day will be shown for the subscriber number for each group. The BH usage is displayed for the usage row. For each subscriber number and group, there is a summary section that displays the avg. calls, avg. usage, and avg. busies.

T-2408 High Busy Hour Trunk Requirements Report
Provides busy hour information for each group selected for the time period selected. The busy hour peg count and usage will be shown for each day selected. Also shown: total usage, BH usage, avg. BH usage, avg. BH peg, trunks working/equipped, trunks required, and trunks over/under.

T-2409 High Busy Hour with Percent Capacity Report
Provides busy hour & percent capacity information for each group selected for a selected time period. The percent capacity is calculated dividing the max CCS by the engineered CCS, then multiplying by 100.

T-2410 Bouncing Busy Hour Summary Forecast Report
Provides the bouncing busy hour summary report information for each group selected for a selected time period. The report includes the group name/number, average busy hour peg, average busy hour usage, high busy hour usage, total usage, traffic table, trunks equipped/working and required, trunks over/under, and projections for the next 5 time periods with the entered or calculated growth factor.

T-2413 Daily Busy Hour Percent Load Report
Provides busy hour information with percent load (the max CCS divided by the engineered CCS multiplied by 100). The report includes the group name/number and the peg count and usage for each group's busy hour per busy day. Also displayed is the BH usage, BH peg, Grade of Service, BH capacity, BH overflow, usage/trunk, AVG HT in minutes and seconds, trunks working/equipped, trunks required, and trunks over/under.

T-2414 Daily Busy Hour Load Report
Provides daily busy hour and load information. The report includes the group name/number, and the Busy Day, the busy hour, the number of BH calls, the BH Load, Erlang information, Grade of Service, BH Capacity, Percent Utilization, BH Overflow, Usage per trunk, MOU, Avg. HT in minutes, Holding Time usage, Grade of Service, Trunks equipped/working and required, and trunks over/under. At the bottom of the report there are totals for all of the relevant traffic statistics.

Can only be ran with usage in CCS. Allows you to select whether you would like the data to be displayed by group or by date.

T-2420 Bouncing Busy Hour % Trunk Requirements Report

T-2425 5 Day Busy Hour Report

T-2417 High Busy Hour Deficit Report
Provides busy hour deficit information for each group number selected. For each group shown, the following will be listed: group number and name, incoming admin #, outgoing admin #, the busiest day and hour of the selected time frame, OVFL, usage, peg count, trunks working/equipped, trunks required, and trunks deficit. Trunks deficit will refer to trunks that weren't needed. If the trunks deficit number is zero or a positive number, it is ok. If the trunks deficit is a negative number, adjustments should be made to manage the traffic appropriately.

T-2701 Bouncing Busy Hour Report with Overflow
Provides bouncing busy hour information with overflow included. The report includes the group name/number and the peg count and usage for each group's busy hour per day. Also displayed is the high BH usage, avg. BH, avg. BH usage of the 3 highest, trunks working/equipped, trunks required, and trunks over/under.

T-2705 Summary - % of Engineered Capacity Report with Overflow
Displays information pertaining to the percent of engineered capacity for the groups selected. The report displays: the group name and number, location (if specified in Setup), the trunk group type, busy hour peg/usage/overflow, the busy hour, the busy hour capacity, the capacity percentage (percent of total capacity being used), the total usage, high busy hour usage, the average usage, trunks equipped/working and required, and the trunks over/under.

T-2706 Summary Time Consistent Busy Hour Report
Displays the peak hour information for the observation period. The total usage is calculated for the whole observation period. The BH total usage, high usage, avg. usage, avg. peg, avg. HT, trunks equipped/working and required, and trunks over/under are calculated for the peak busy hour of the observation period.

T-2800 10 High Busy Hour Trunk Requirements Report
Displays information for the 10 highest busy hours of the observation period. For each group, the busy hour day, time, avg. usage, and avg. HT are displayed. The avg. usage is calculated for the 10 highest busy hours for each group. The number of trunks equipped/working is displayed and the trunks required is figured by the avg. usage of the 10 highest busy hours' usage. The trunks over/under is also displayed.

T-2801 Monthly Avg. 10 High Busy Hour Traffic Report
Displays the avg. peg and usage for the 10 highest busy hours for the selected month for the selected groups. Also calculates the YTD Variance for avg. peg and avg. usage for each group. The total of the avg. peg and usage for the 10 highest busy hours is displayed at the bottom of the report.

T-2802 Monthly Total Traffic Report
Displays the total peg and usage for the selected groups in the selected month. Also calculates the YTD Variance for total peg and total usage for each group. The monthly total of all columns is displayed at the bottom of the report.

T-2803 10 High Day Busy Hour Trunk Requirements Report
Displays the 10 highest busy hours for the time period selected by the user. There will be only 1 Busy Hour for each day. The Busy Hours are listed with the busiest hour first. This report can have a manually entered Growth Factor (you choose the growth factor), or the program can calculate a growth value from previous data. To calculate the growth value from previous data, you will need to run this report with 2 or more months of data.

T-2804 Monthly Average 10 High Busy Hour Trunk Requirements Report
Displays the average monthly usage of the 10 Highest Busy Hours for the selected groups. The monthly usage total is also calculated. The number of trunks equipped/working and trunks required are also displayed.

T-2805 Monthly 10 High Days Busy Hours Report
This report displays the selected field for the 10 highest busy hours of the month.

T-2806 Monthly 10 High Days Total Hours Report
This report displays the selected field for the 10 highest busy hours of the month and adds all hours for a total. Also calculates the YTD (growth) for the selected months.

T-2807 Summary 10 High Days Busy Hour Trunk Requirements Report
Displays the 10 highest busy hours for the time period selected by the user. There will be only 1 Busy Hour for each day. If 2 of the busiest hours were on the same day, that day would only appear once, with the busiest hour of the 2 listed. The Busy Hours are listed with the busiest hour first. The 2nd busiest hour in the selected time period would be Busy Hour 2. There can be a manually entered Growth Factor (you choose the growth factor), or the program can calculate a growth value from previous data. To calculate the growth value from previous data, you will need to run this report with 2 or more months of data.

For each Busy Hour shown, the date, time, BH Average Usage, BH Avg. Holding Time, BH Overflow, and BH count are also shown.

Also displayed for each group are: Avg. BH Peg (Average Peg Count of the 10 highest Busy Hours found), Avg. BH usage, Total Usage, Traffic Table used, trunks equipped/working and trunks required are also displayed.

There are time period growths projected for each group. The 1st Period is based off of the original selected period of time that the report was ran for. If the report was ran for 2 months, the 1st period will be a projection of the next two months. For each period, there are CCS and Peg Count

growth projections, and at the end of the line, the growth factor is shown (either calculated by having at least 2 months worth of data, or entered manually before the report is ran).

At the bottom of the report, totals are calculated for each column.

T-2808 Special 10 High Day Busy Hour Trunk Requirements Report

T-2810 Insufficient Trunk Requirements Report
Displays information on any hour for any group that had insufficient trunks in the observation period. The data displayed includes group name/number, date, poll period, reference #, peg, usage, OVFL, trunks equipped/working and required, and trunks over/under.

T-2811 Trunk Capacity Expectations Report
This report has two sections. The first section of the report is information on the selected groups for the observation period. The second section is a summary of the busy hour of the busy day. Information displayed in this report includes group name/number, date, poll period, ref #, peg, usage, OVFL, trunks equipped/working and required, trunks over/under and % of capacity.

T-2812 Percent of Engineered Capacity Summary Report
Displays information about the busy hour of the selected groups over the percent of engineered capacity specified. The report includes group name/number, busy hour, BH usage, total usage for the observation period, engineered usage (determined by the trunks working), grade of service, trunks equipped/working and required, trunks over/under and % of engineered usage.

T-2813 Monthly Busy Hour Percent Load Report
Displays monthly busy hour information for the selected groups and time period. The report includes group name/number, busy hour and day it occurred on, BH usage, BH peg, grade of service, BH Capacity (table value for engineered CCS), Percent Load (max CCS divided by the engineered CCS multiplied by 100.), BH overflow, usage/trunk, MOU (minutes of use), Avg. HT (in min. & sec.), trunks equipped/working and required, and trunks over/under.

T-2814 Monthly Percent of Engineered Capacity Summary
This report is similar to Report 2812, however, this report can be run for up to a year. Displays information about the busy hour of the selected groups over the percent of engineered capacity specified. The report includes group name/number, busy hour, BH usage, total usage for the observation period, engineered usage (determined by the trunks working), grade of service, trunks equipped/working and required, trunks over/under and % of engineered usage. Percent of engineered CCS (sorted from highest to lowest) is reported by the month.

T-2816 10 High Hour Trunk Requirements
Displays up to 10 highest busy hours of the time period selected. For each group selected, the busy hour and the day it occurred on, along with the BH usage and Avg. BH HT are shown. Last, the average usage for 7 of the highest busy hours, trunks equipped/working and required, and trunks over/under are shown.

T-2817 10 High Hour Trunk Requirements (Trunk Selection)

T-2820 Monthly Busy Hour Trunk Report with Daily Totals
Displays busy hour information about the selected groups for the observation period with daily totals. The report includes the following information about the busy hour: date, trunks equipped/working/required, ending BH peg/usage/OVFL, BH peg in/out, BH total peg, BH usage in/out, BH total usage and BH OVFL. The daily totals are specified for the fields selected before the report is ran.

T-2821 Monthly High Busy Hour Trunk Requirements Report

Displays highest busy hour information, along with totals for the month. Items displayed on the report: group name/number, busy day, busy hour, BH Peg, BH usage, overflow, % overflow, total peg and usage, Avg. BH usage, Avg. HT, trunks equipped/working and required, and trunks over/under.

T-2822 Monthly High Busy Hour Trunk Requirements Report with Percent Capacity
Displays highest busy hour information with percent capacity, along with totals for the month. Items displayed on the report: group name/number, busy day/hour, BH usage, Total usage, Avg. BH usage, grade of service, BH capacity (table value for engineered CCS), Percent Capacity (max CCS divided by the engineered CCS multiplied by 100), Overflow, Trunks Equipped/Working and Required, and Trunks Over/Under.

T-2823 Monthly Avg. Busy Hour Trunk Requirements Report
This report displays monthly busy hour trunk requirements for the selected groups for the observation period. Items displayed on this report: group name/number, busy day, the busy hour of the busy day, the busy hour peg and usage, overflow, total peg and usage, average busy hour usage, average holding time, trunks equipped, working, and required, and trunks over/under.

T-2829 DCO Hourly Inter-Switching Blockage Report
Displays the OLOSZ, ODD3S, and the % of Dial Tone Delay information for each group per interval. Totals for each group are listed also. There is maximum usage information for each group also.

T-2830 DCO Inter-Switching Blockage Daily Busy Hour Report
Displays the Busy Hour info per day for OLOSZ, ODD3S, and the % of Dial Tone Delay information for each group. Totals for each group are also listed.

T-2831 DCO Inter-Switching Blockage Daily Totals Report
Displays the Busy Hour and Daily Total information for OLOSZ, ODD3S, and the % of Dial Tone Delay information. Totals for each group are listed also. There is maximum usage information for each group also.

T-2851 Monthly Equipped and Working Trunks Report
Displays the equipped and working trunks for selected groups for the observation period (1 month or more).

T-2852 Monthly Working Trunks Report
Displays the working trunks for selected groups for the observation period (1 month or more). There is a monthly total at the bottom of each month's data.

T-2853 Monthly Working Trunks Reports w/no headers

T-2854 Monthly Equipped and Working Trunks Report w/no headers

Wireless

T-2405 Average 8 Day Highest Busy Hour Report
This report is to be run for a 10-day observation period. It can be ran for shorter or longer observation periods, but the statistics may mean something different than intended.

If ran for 10 days, it will find the busy hour for each day, then take out the highest and the lowest busy hours, and average the remaining 8 busy hours.

The report lists the group name/number, location, coverage market, group type, the average ATT in and out (which is the average of the 8 busy hours), total ATT (Avg. ATT in + Avg. ATT out), Avg. usage, trunks equipped/working and required (trunks required calculated per the average usage), trunks over/under and BLK percentage.

There are blockage threshold counts at the bottom of the report.

T-2410 Daily Customer Concern Report
This report provides a daily summary for each group selected, for every day of the observation period.

The report displays the Cell Site, Location, LOST CALLS DROP, LOST CALLS SU FA, LOST CALL MOB RO, DIRECTED RETRY INFO ONLY, LOST CALLS TOTAL, TRK ATT TOTAL and LOST CALLS %.

Daily totals and Observation Period totals of the columns are listed at the bottom of the report.

T-2704 Summary % of Engineered Capacity Report
This report displays group information for the selected observation period. The group number, name, location, and trunk group type are displayed. The BH Peg, BH CCS, the Busy Hour itself, table code and grade of service, BH Capacity and percent capacity, Total CCS, High BH CCS, Avg. BH CCS, and trunks equipped/working and required, and the trunks over/under are also displayed.

T-2705 Summary % of Engineered Capacity Report with Overflow
This report displays group information for the selected observation period. The group number, name, location, and trunk group type are displayed. The BH Peg, BH CCS, BH OVFL, the Busy Hour itself, BH Capacity and capacity percentage, Total CCS, high BH CCS, Avg. BH CCS, and trunks equipped/working and required, the trunks over/under are also displayed.

T-2710 Summary Customer Concern Report
This report provides totals for each group selected, for the total of the observation period.

The report displays the Cell Site, Location, LOST CALLS DROP, LOST CALLS SU FA, LOST CALL MOB RO, DIRECTED RETRY INFO ONLY, LOST CALLS TOTAL, TRK ATT TOTAL and LOST CALLS %.

Observation period totals for every column is listed at the bottom of the report.

T-2712 Wireless MOU Summary Report
This report provides a MOU summary for the selected groups in the observation period.

The report displays the group number, CLLI code, Location, Cell Site, Coverage Market and Minutes of Use.

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

Overflow

T-2120 Daily Overflow Exception Report
Displays BH overflow statistics for the selected groups in the observation period. The report includes the following information about the BH overflow: group name/number, the date and poll interval of the overflow, usage during the BH, peg of BH overflow, BH overflow, percentage of BH traffic that is the overflow, trunks equipped/working and required, and trunks over/under for each group that experienced an overflow during the observation period for the groups selected. If no groups had an overflow, the report will state that "No overflows were found."

T-2121 Daily Overflow Report
This report displays the daily overflow statistics for the selected groups in the observation period. The report includes the following information about the daily overflow: group name/number, the date, peg, usage, overflow, and percentage of the traffic that the overflow is. If no groups had an overflow, the report will state that "No overflows were found."

T-2122 Summary Overflow Report
This report provides a summary of overflow statistics for the selected groups in an observation period. The report summarizes the following information: group name/number, the dates of the whole observation period, total peg, total usage, overflows, and percentage of the traffic that the overflows are.

T-2125 Overflow Summary Report
Displays a summary of overflow information for the groups selected during the observation period. The report includes: group name/number, total peg, BH peg, date and interval of BH peg, total overflow, percentage of total overflow, BH overflow, date and interval of BH overflow and % of BH overflow.

T-2126 Maintenance Exception Report
This report provides the exceptions for the selected groups in the observation period. The report displays the following maintenance information: group name/number, the date and hour of the exception, the threshold usage/peg/% cap, the actual usage/peg/% cap, the Exception code, overflow and % overflow.

T-2127 Daily Individual Group Maintenance Exception Report
This report provides daily group exception information for the observation period. The report includes: group name/number, date and hour of the exception, the threshold CCS/peg/% capacity and the actual CCS/peg/% capacity, the exception code, the overflow, and the % overflow.

T-2128 Monthly Maintenance Exception Report
This report provides the monthly exceptions for the selected time period. The report includes: group name/number, date and hour of the exception, the threshold CCS/peg/% capacity and the actual CCS/peg/% capacity, the exception code, the overflow, and the % overflow.

Misc.

Monthly

T-2850 Monthly Total Line Report
This report provides monthly total lines for each group selected for the observation period. The report includes: the group name/number, the total lines for every group for the observation period, the YTD (Growth) total lines (percentage), and at the bottom of the report, the monthly total for all of the groups selected.

T-2897 Monthly Links Report

T-2898 Monthly Lines Report

T-2899 Monthly LNP DIPS Report

Summary

T-2731 Circuits Working/Equipped Reconciliation Report
Running this report will automatically update your circuits working and equipped in the traffic group setup.

This report compares the circuits working/equipped in the capture file for the date/hour selected against what is currently in the setup. Any changes that need to be done to the circuits working/equipped in Setup will be corrected by running this report.

The report displays the group name/number and the previous and new value of the circuits equipped and working.

T-2732 Summary Selected Fields Report
This report will display the group name/number and totals of any fields you select for the observation period.

T-2734 Average Calendar Day Report
This report calculates the average traffic per day for one field for the observation period. It displays each day information for every month selected. The total for each month, the average calendar day (and what calendar day that was on) and the total for the whole month is also calculated.

T-2735 Peg and Usage Report
This report provides the peg count and usage for the selected groups for the observation period. The report shows the group name/number, peg & usage, and the totals at the right of all of the observation period for each group, and the totals at the bottom for every day's usage and peg count.

Daily

T-2431 Engineering Study General Group Summary

T-2432 Daily Selected Fields Report
This report provides a summary of the selected fields of every day for each group for the observation period selected.

At the bottom of the summary for each group there are totals for every column. The max usage and interval of the max usage are listed. Last, the usage % is displayed (Total divided by Max usage).

T-2433 User Selectable Weekly Summary Report

This report provides a weekly summary for one field selected. The report displays the groups number/name, the traffic for everyday for a week beginning on the first day you select before you run the report, daily totals at the bottom for all of the selected groups, and a 7 day total for every separate group.

T-2434 User Selectable Summary Report
This report provides a summary for one field for as many groups as you select. The report displays the groups number/name, the traffic for everyday for a week beginning on the first day you select before you run the report, daily totals at the bottom for all of the selected groups, and a total for every separate group.

T-2435 Individual Group Summary Report
This report provides a summary for the selected fields. Each group is displayed individually. The report displays the group name/number, date, any traffic for any fields (up to 1000 fields) selected, and the totals for every field per group for the date range selected.

T-2436 Weekly Summary Peg and Usage Report
This report provides a weekly summary of the peg and usage for the selected groups for a 7-day period. The report displays the group number/name, the peg and usage per day for every group selected for the 7 day period, and the 7 day total for every groups separate peg and usage.

T-2437 Weekly Summary Report
This report provides a summary of the peg <u>or</u> usage for the selected groups for a 7-day period. The weekly observation period begins on the first day of your selected observation period. The report displays the group name/number, the peg or usage per day for every group selected for the 7 day period, and the 7 day total for every groups separate peg or usage.

T-2438 Local/Toll/EAS/Analysis Report
This

T-2439 Line Concentration Report
This report provides line concentration information for the groups selected. The report is listed by group or date. The report displays the group name/number, then the date and central office, Site CLLI, Remote Site Name, Channels, Lines and Ratio.

T-2450 Four Least Busy Hour Report

Hourly

T-2330 Hourly Data Report
This report provides a summary of every hour interval for each group selected for the length of the observation period selected.

The report displays the time interval, incoming/outgoing and total peg, incoming/outgoing and total usage, total MOU (minutes of use), Average Holding Time and Overflow.

At the end of each group, there is a summary for all hours, for busy hours and for off busy hours. The summary displays max usage, interval at which it occurred, the daily traffic % and the period traffic %.

T-2331 Hourly Summary Report
This report provides a summary of every hour interval of the observation period selected.

The report displays the information per each group selected. Each interval is listed, and along side of that is the peg and usage for each day of the observation period. There is a Totals column that totals the peg and usage of every day in the observation period for every interval.

At the bottom of the summary for each group there are totals for every column. The max peg/usage and interval ending is listed. Last, the traffic % is displayed (Total divided by Max peg or usage).

T-2332 Hourly Selected Fields Report
This report provides a summary of the selected fields of every hour interval for each group for the length of the observation period selected.

At the bottom of the summary for each group there are totals for every column. The max usage and interval of the max usage are listed. Last, the usage % is displayed (Total divided by Max usage).

T-2333 Hourly Percent Capacity Report
This report provides a report for

T-2334 Hourly Average Usage Report
This report provides a

T-2335 Selected Fields Report w/no headers

Half Hour

T-2230 Half Hour Data Report
This report provides a summary of every 30-minute interval for each group for the length of the observation period selected.

The report displays the time interval, incoming/outgoing and total peg, incoming/outgoing and total usage, total MOU (minutes of use), Average Holding Time and Overflow.

At the end of each group, there is a summary for all hours, for busy hours and for off busy hours. The summary displays max usage, interval at which it occurred, the daily traffic % and the period traffic %.

T-2231 Half Hour Summary Report
This report provides a summary of every 30-minute interval of the observation period selected.

The report displays the information per each group selected. Each interval is listed, and along side of that is the peg and usage for each day of the observation period. There is a Totals column that totals the peg and usage of every day in the observation period for every interval.

At the bottom of the summary for each group there are totals for every column. The max peg/usage and interval ending is listed. Last, the traffic % is displayed (Total divided by Max peg or usage)

T-2232 Half-Hour Selected Fields Report
This report provides a summary of the selected fields of every 30-minute interval for each group for the length of the observation period selected.

At the bottom of the summary for each group there are totals for every column. The max usage and interval of the max usage are listed. Last, the usage % is displayed (Total divided by Max usage).

T-2233 STP OCTRECVD & OCTTRAN Half Hour Report

This report displays (per group) the time interval, OCTRECVD, OCTRECVD % (OCTRECVD divided by 12,600,000) OCTTRAN, OCTTRAN% (OCTTRAN divided by 12,600,000). At the bottom of every group's information, there is the monthly busy half-hour information for OCTRECVD and OCTTRAN.

T-2234 STP Busy Half Hour Report
This report displays (per group) the date, busy half-hour, OCTRECVD, OCTRECVD % (OCTRECVD divided by 12,600,000), the Busy Half-hour for OCTTRAN, OCTTRAN, and OCTTRAN% (OCTTRAN divided by 12,600,000). At the bottom of every group's information, there is the monthly busy half-hour information for OCTRECVD and OCTTRAN.

T-2235 STP Monthly Busy Half Hour Report
This report displays (per group) the date, busy half-hour, OCTRECVD, OCTRECVD % (OCTRECVD divided by 12,600,000), the Busy Half-hour for OCTTRAN, OCTTRAN, and OCTTRAN% (OCTTRAN divided by 12,600,000). At the bottom of every group's information, there is the monthly busy half-hour information for OCTRECVD and OCTTRAN.

Quarter Hour

T-2130 Quarter Hour Data Report
This report provides a summary of every 15-minute interval for each group for the length of the observation period selected.

The report displays the time interval, incoming/outgoing and total peg, incoming/outgoing and total usage, total MOU (minutes of use), Average Holding Time and Overflow.

At the end of each group, there is a summary for all hours, for busy hours and for off busy hours. The summary displays max usage, interval at which it occurred, the daily traffic % and the period traffic %.

T-2131 Quarter Hour Summary Report
This report provides a summary of every 15-minute interval of the observation period selected.

The report displays the information per each group selected. Each interval is listed, and along side of that is the peg and usage for each day of the observation period. There is a Totals column that totals the peg and usage of every day in the observation period for every interval.

At the bottom of the summary for each group there are totals for every column. The max peg/usage and interval ending is listed. Last, the traffic % is displayed (Total divided by Max peg or usage)

T-2132 Quarter Hour Selected Fields Report
This report provides a summary of the selected fields of every 15-minute interval for each group for the length of the observation period selected.

At the bottom of the summary for each group there are totals for every column. The max usage and interval of the max usage are listed. Last, the usage % is displayed (Total divided by Max usage).

Tracking

T-2500 Tracking Report
This report displays a list of all of the existing Trunk Groups for the first polling day selected. This report displays the collection set and trunk group information.

T-2501 Tracking Report
This report compares the groups of the first and last day selected and shows any changes. This report displays the collection set number, trunk group, and if it was added or removed.

DMS OM Reports (sorted alphabetically by OM group)

T-2x211 OM group AABS

The OM group AABS provides information about the traffic for an Automated Alternate Billing Service. The AABS report shows the usage per poll interval on all of the fields listed below for the observation period. The AABS reports are: 21211, 22211, 23211, 24211, 27211.

Fields required for group AABS:

AABSCCSC	AABSTHSC	AABSCOSC	ATOMCCSI	ATOMCCSS	AABSACBS
AABSACBF	AABSRCVR	ARCRSUC	ARCRVRFL	AABSSTPD	

T-2x212 OM group ACB

The OM group ACB provides information about the use of Automatic Call Back feature for an office. The ACB report shows the usage per poll interval on all of the fields listed below for the observation period. This report can only be run for one group at a time. The ACB reports are: 21212, 22212, 23212, 24212, 27212.

Fields required for group ACB:

ACBATT	ACBFDEN	ACBOVFL	ACBLTDA	ACBSTDA	ACBSTDT
ACBIMED	ACBDLAY	ACBTIME	ACBRSCN	ACBSCR	ACBDATT
ACBABT	ACBRACT	ACBSTR	ACBTSCN	ACBOSCN	ACBACBN
ACBNIMED	ACBUNIV	ACBDENY			

T-2x409 OM group ACCSCCV

The OM group ACCSCCV (Automatic Calling Card Service Calling Card Validation) provides information on calling card validation (CCV) database queries and responses. When a subscriber or operator requests a CCV, third number billing, or a collect call, the switching office launches a database query. Use the database query to obtain the correct validation information. CCV numbers consist of a ten-digit calling card account number (CCAN) and a four-digit personal identification number (PIN).

ACCSCCV counts messages that return to the operator that indicate that the query was answered without success. The queries were answered without success because of software failure, services that are not available, or invalid calling card numbers. The ACCSCCV reports are: 21409, 22409, 23409, 24409, 27409. Fields required for group ACCSCCV:

CCVACGBL	CCVCANQY	CCVCCDEN	CCVCOMP	CCVDATA	CCVDBFC
CCVMISCF	CCVNETRE	CCVNOACG	CCVNOPAY	CCVNOPIN	CCVNOREC
CCVPINHT	CCVPINRE	CCVPINUN	CCVRAFTT	CCVSPTRA	CCVSVRES
CCVTHREX	CCVTIOUT	CCVTOTAL	CCVUNAVA		

T-2x213 OM group ACDGRP

The OM group ACDGRP provides information about the traffic for an Automatic Call Distribution Group. The ACDGRP report shows the usage per poll interval on all of the fields listed below for the observation period. It also calculates the % abandoned, % answered and % deflected. Totals are displayed at the bottom of the report. The ACDGRP reports: 21213, 22213, 23213, 24213, and 27213.

Fields required for group ACDGRP:

ACDOFFR	ACDANSR	ACDDFLCT	ACDABNDN

ACDNS	ACDPRMPT	ACDBLOCK	ACDTMOFL
ACDTMINF	ACDTMANS	ACDCIF	ACDXFER
ACDCPK	ACDUSAGE	ACDICQD	ACDREQD
ACDDMCT	ACDQABN	ACDRQRTE	

T-2x422 OM group AIN

The OM group AIN (Advanced Intelligent Network) is the platform for AIN traffic and maintenance measurements. The AIN reports are: 21422, 22422, 23422, 24422, 27422. The fields required for group AIN are:

TRIG	TRIG2	INTROFF	INTROFF2
CPFLBFQ	CPFLAFQ	MAXQEXCD	TIOVFBFQ
CIOVGBFQ	TIOVFAFQ	CIOVFAFQ	RSPTMOUT
INVCMDMG	INVCMDSE	AMACONV	AMAMAX
AMASLPID	AINCALL	AINCALL2	

T-2x214 OM group AMA

The OM group AMA provides information on Automatic Message Accounting summary records. The AMA report shows the field information displayed for the observation period. The report can be sorted by date or by group number. The AMA reports are: 21214, 22214, 23214, 24214, 27214.

Fields required for group AMA:

AMAENT	AMAENT2	AMAEMTR	AMAFREE	AMAROUTE	AMASCRN

T-2x215 OM group ANN

The OM group ANN provides information on traffic for recorded announcement machines. The ANN report shows the usage per poll interval on all of the fields listed below for the observation period. It also calculates the % OVFL and AVG. HT. Totals are displayed at the bottom of the report. The usage register's scan rate is 100. The ANN reports: 21215, 22215, 23215, 24215, and 27215.

Fields required for group ANN:

ANNATT	ANNOVFL	ANNTRU	ANNSBU	ANNMBU

T-2x216 OM group AR

The OM group AR monitors the use of the AR feature for an office. The AR report shows the usage per poll interval on all of the fields listed below for the observation period. The AR reports are: 21216, 22216, 23216, 24216, 27216. Fields required for group AR:

ARATT	ARFDEN	AROVFL	ARLTDA	ARSTDA	ARSTDT
ARIMED	ARDLAY	ARTIME	ARRSCN	ARSCR	ARDATT
ARPRCD	AROPTO	ARBDIN	ARABT	ARRACT	ARSTR
ARTSCN	AROSCN	ARARN	ARNIMED	ARUNIV	ARDENY
ARPVTBLK	ARPVTALW	ARDSBLID			

T-2x217 OM group AUTHCAV

The OM group AUTHCAV counts the transaction of the cellular authentication and voice privacy unit. (CAVU), which is the off-board-processing unit used to execute the cellular authentication and voice encryption (CAVE) algorithm. The registers in this group peg in the computing module (CM) even though CAVU is a peripheral unit. The AUTHCAV

report shows the usage per poll interval on all of the fields listed below for the observation period. It also calculates the % COMP. Totals are displayed at the bottom of the report. The AUTHCAV reports: 21217, 22217, 23217, 24217, and 27217.

Fields required for group AUTHCAV:

CAVATTS	CAVSUCC	CAVFRC	CAVFTIME
CAVFRS	CAVREQUC	CAVRQBSC	CAVRQSSD
CVRQORIG	CVRQREG	CVRQTERM	CVAKEYCK

T-2x218 OM group **AUTHCTR**

The OM group AUTHCTR provides information the following transactions: authentications performed at the authentication center (AC), shared secret data (SSD) updates, Unique Challenges (performed for SSD updates, and requested by the AC), failed authentications and authentication result (AUTHR) mismatches reported by the serving system.

The AUTHCTR report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. The AUTHCTR reports: 21218, 22218, 23218, 24218, and 27218.

Fields required for group AUTHCTR:

ACAUTHRQ	ACAUTHSC	ACNOAUTH	ACAUTHRM
ACOFAIL	ACORIGRQ	ACREGRQ	ACFLSHRQ
ACTERMRQ	ACUNSPRQ	ACSSDURQ	ACSSDUSC
ACSSDUFL	ACSSDUNC	ACSSDUNA	ACSSDERR
ACUCREQ	ACUCSUCC	ACUCFAIL	ACUCNR
ACUCNA	ACDENY	ACMUCFL	ACMUCNR
ACMARMM	ACMRCMM	ACMAPRM	ACMUNBSC
ACMOFAIL			

T-2x221 OM group **BRSTAT**

The OM group BRSTAT (BRISC Occupancy Status) uses the Bell-Northern Research reduced instruction set computer (BRISC) to provide data on CPU usage (occupancy) for Super Node Offices. BRSTAT generates data when it creates a value representing the ratio of real time spent on a CPU function to the time allocated for that function. The system updates the usage registers this group every minute to reflect this ratio.

The BRSTAT report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. The BRSTAT reports: 21221, 22221, 23221, 24221, and 27221.

Fields required for group BRSTAT:

BRSCAP	BRSCMPLX	BRSSCHED	BRSFORE
BRSMAINT	BRSDNC	BRSOM	BRSGTERM
BRSBKG	BRSIDLE	BRSAUXCP	BRSNETM
BRSSNIP			

T-2x222 OM group **C7LINK1**

OM group C7LINK1 (CCS7 link group 1) provides information on the failures and recoveries of a Common Channel Signaling 7 (CCS7) link. A CCS7 link is a communication path that moves voice or signaling messages between two signaling points in a CCS7 network.

The C7LINK1 report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. The C7LINK1 reports: 21222, 22222, 23222, 24222, and 27222.

Fields required for group C7LINK1:

C7LKSYNU	C7LKFAIL	C7ABNRFB	C7EXDLAY
C7EXERR	C7EXCONG	C7ALIGNF	C7SUERR
C7NACKRX	C7STALFL	C7TLALFL	C7NETCON
C7SLTFL	C7NUCFL	C7COV	C7CBK
C7LKUNAU	C7MANB	C7BSYON	C7BSYOFF
C7LINH	C7LUNINH	C7RINH	C7RUNINH
C7LPO	C7RPO	C7AUTOCO	C7ERRSEC
C7CLB			

T-2x223 OM group **C7LINK2**

The OM group C7LINK2 (CCS7 link group 2) provides information on calls and congestion for Common Channel Signaling 7 (CCS7). A CCS7 link is a communication path. This path moves voice or signaling messages between two signaling transfer points (STP) in a CCS7 network system.

The C7LINK2 report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. The C7LINK2 reports: 21223, 22223, 23223, 24223, and 27223.

Fields required for group C7LINK2:

C7MSUTX	C7MSURX	C7BYTTX	C7BYTRX	C7BYTRT
C7MSUDSC	C7ONSETV	C7ABATEV	C7STRET	C7MSBRET
C7MSGLOS	C7MSGMSQ	C7MSUOR	C7MSUTE	C7MSUTS

T-2x224 OM group **C7LINK3**

The OM group C7LINK3 (Common Channel Signaling 7 link group 3) monitors the traffic and performance of a message signal unit (MSU) for a Common Channel Signaling 7 (CCS7) link. Message signal units are a part of a signal.

The C7LINK3 report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. The C7LINK3 reports: 21224, 22224, 23224, 24224, and 27224.

Fields required for group C7LINK3:

C7MSOR	C7MSOR2	C7MSTE	C7MSTE2
C7MSTS	C7MSTS2	C7MSUBOV	C7LV1CGU
C7LV2CGU	C7LV3CGU	C7LPOU	C7RPOU
C7HWLLP	C7HWMTS	C7HWST	C7HWTOT
C7RTOVLD	C7BFOVFL	C7CLBU	VALIDLK
LSCCPRX	LSCCPRX2	LSCCPTX	LSCCPTX2
LUPARX	LUPARX2	LUPATX	LUPATX2

T-2x225 OM group **C7LKSET**

The OM group C7LKSET (CCS7) provides information on the performance and use of a CCS7 linkset. The CCS7 affects the performance and use of routesets.

The C7LKSET report shows the usage per poll interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All Polls and when that poll ended, the Business Hour Polls and when that ended, and Off Business Hours Polls and

what time that ended. The C7LKSET reports are: 21225, 22225, 23225, 24225, and 27225.

Fields required for group C7LKSET:

C7LSUNAU	C7LSFAIL	C7LSEMRU

T-2x226 OM group **C7MTP**

C7MTP counts message signal units (MSU) that a Common Channel Signaling 7 (CCS7) message transfer part (MTP) discards. This OM group is part of a signal transfer point (STP). Two registers count discarded MSUs. The system discards MSUs because the system cannot determine the type of message. The system also discards MSUs because the destination point code is not in the routing tables of that office.

The C7MTP report shows the usage per poll interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All Intervals and when that interval ended, the Business hours and when that interval ended, and Off Business Hour Polls and when that ended. The C7MTP reports are: 21226, 22226, 23226, 24226, 27226.

Fields required for group C7MPT:

C7MSIDPC	C7MSISIO	C7XSDYWT	C7XSDYNT	C7PHDYWT	C7PHDYNT
C7GTT95	C7NGTT95	C7SMPWT1	C7SMPWT2	C7SMPNT1	C7SMPNT2

T-2x227 OM group **C7ROUTE**

The OM group C7ROUTE (CCS7 route) describes the performance and use of Common Channel Signaling 7 (CCS7) routes. The C7ROUTE report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. The C7ROUTE reports: 21227, 22277, 23227, 24227, and 27227.

Fields required for group C7ROUTE:

C7RTUNAU	C7TFA	C7TFR
C7TFP	C7TFC0	C7TFC1
C7TFC2	C7TFC3	C7CNTRER
C7FRCRER	C7XTFA	C7XTFR
C7XTFP		

T-2x229 OM group **C7SCCP**

The C7SCCP registers report the performance and use of the CCS7 signaling connection control part (SCCP). The C7SCCP report shows the usage per poll interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All Intervals and when that interval ended, the Business hours and when that interval ended, and Off Business Hour Polls and what time that ended. The C7SCCP reports are: 21229, 22229, 23229, 24229, 27229.

Fields required for group C7SCCP:

C7RTFALL	C7RTFNTN	C7RTFNTA	C7RTFNWF	C7RTFNWC	C7RTFSSF
C7RTFSSC	C7RTFUEQ	C7UDTTX	C7UDTTX2	C7UDTRX	C7UDTRX2
C7UDTSTX	C7UDTSRX	C7MSGHDL	C7MSGHD2	C7MSGGT	C7MSGGT2
C7CLS0TX	C7CLS0T2	C7CLS0RX	C7CLSOR2	C7CLS1TX	C7CLS1T2
C7CLS1RX	C7CLS1R2	C7SYNERR	C7RTBKSS	C7LOCSS	C7LOCSS2

T-2x230 OM group **C7SCCPCO**

C7SCCPCO measures the volume of traffic and failures on the class 2 signaling connection control part (SCCP). Specifically, this OM group counts the total number of messages received and sent over the DMS-300 switch. This OM group produces separate counts for each type of message. It also counts the number of times a connection is rejected or fails and has to be taken down. The C7SCCPCO report shows the usage per poll interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All Intervals and when that interval ended, the Business hours and when that interval ended, and Off Business Hour Polls and what time that ended. The C7SCCPCO reports are: 21230, 22230, 23230, 24230, 27230.

Fields required for group C7SCCPCO:

C7CLS2TX	C7CLS2T2	C7CLS2RX	C7CLS2R2	C7DT1TX	C7DT1T2
C7DT1RX	C7DT1R2	C7ITTX	C7ITRX	C7CRTX	C7CRT2
C7CRRX	C7CRR2	C7CCTX	C7CCT2	C7CCRX	C7CCR2
C7RLSDTX	C7RLSDT2	C7RLSDRX	C7RLSDR2	C7RLCTX	C7RLCT2
C7RLCRX	C7RLCR2	C7CREFRX	C7CREFTX	C7COFAIL	C7COMREJ

T-2x390 OM group CAINAGOM

The CAINAGOM (Carrier Advanced Intelligent Network Per-Agency Operational Measurements) group provides threshold reporting of OMs on a per agency basis. The CAINAGOM report shows the usage per poll interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All polls and when that poll ended, the max. poll of the Business hours and when that poll ended, and the max. of the Off Business Hour Polls and what time that ended. The CAINAGOM reports are: 21390, 22390, 23390, 24390, 27390.

Fields required for group CAINAGOM:

AGQUERY	AGRESPR	AGERROR	AGEDPRCD	AGSTRCNV	AGRSCLR
AGEDPREQ	AGEDPNOT	AGIVPREQ	AGVIPRSP	AGCITR	AGCIFR
AGCTRCNV	AGCTRCLR	TQUERY	TRESPR	TERROR	TSTRCNV
TRSCLR	TVIPREQ	TVIPRSP			

T-2x391 OM group CAINIP

CAINIP (Carrier AIN 1129-style IP Interactions) provides OMs for ClearCause values in a Resource_Clear message. This group also tracks the number of times the TSTRC and TDISC timers expired at the local SSP. The CAINIP report shows the usage per poll interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All polls and when that poll ended, the max. poll of the Business hours and when that poll ended, and the max. of the Off Business Hour Polls and what time that ended. The CAINIP reports are: 21391, 22391, 23391, 24391, 27391.

Fields required for group CAINIP:

IPNORMAL	IPTMO	IPRESCAN	IPAUNLEG	IPINVLEG	IPUABNDN
IPINVCOD	IPFAIL	IPCHBSY	IPRESNAV	IPISDNTO	IPRESTNS
IPTSKRFS	IPINVCRS	IPCAPFL	IPPROTER	IPABORT	IPSUPINV
IPSTRCAN	IPTMPFL	IPIPTMO	IPCTRCAN	IPTSTRC	IPTDISC

T-2x392 OM group CAINLNP

The CAINLNP (Carrier AIN Local Number Portability) provides OMs to track Local Number Portability functionality on a Carrier Advanced Intelligent Network. The CAINLNP report shows the usage per poll interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All polls and when that poll ended, the

max. poll of the Business hours and when that poll ended, and the max. of the Off Business Hour Polls and what time that ended. The CAINLNP reports are: 21392, 22392, 23392, 24392, 27392.

Fields required for group CAINLNP:

BLKBYSTS	DESTFAIL	INLNPINF	LNPDISCD	LNPQUERY	LRNONLNP
OFCDLOOK	TERMLRN	BADGAP			

T-2x393 OM group **CAINMSGR**

The CAINMSGR (Carrier AIN Messages Received) reports the number of CAIN TCAP messages received from the Service Control Point (SCP) related to call processing. The CAINMSGR reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CAINMSGR reports are: 21393, 22393, 23393, 24393, 27393.

Fields required for group CAINMSGR:

ANLZRTE	CONTINUE	DISCON	SND2RSRC	FAILREPR	REPERRR
CLOSER	APPLERRR	CANCRSRC	RRBCMEVT	CITRSC	AUTHTERM
COLLINFO	CON2RSRC	SENDNOT	ACG	ACGRESTR	TR533R

T-2x394 OM group **CAINMSGS**

CAINMSGS (Carrier AIN Messages Sent) provides OMs for TCAP messages sent to the Service Control Point (SCP) for CAIN processing. The CAINMSGS reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CAINMSGS reports are: 21394, 22394, 23394, 24394, 27394.

Fields required for group CAINMSGS:

ORIGATT	O_FTRREQ	INFOCOLL	INFOANLZ	NETWBUSY	OCLDBUSY
O_NOANSW	FAILREPS	REPERRS	CLOSES	APPLERRS	RSRCCLR
OTERMSZ	OANSWR	TIMEOUTS	ODISC	CIFRSC	TERMATT
OMIDCALL	CTRCLR	TR533S			

T-2x395 OM group **CAINCRS**

CAINCRS provides reporting information for each Carrier AIN0.2 non-call related message that is sent by the switch. The CAINCRS reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CAINCRS reports are: 21395, 22395, 23395, 24395, 27395.

Fields required for group CAINCRS:

TERMNOT	ACGOVFLW	ACGRSCSS

T-2x396 OM group **CAINOM**

CAINOM (Carrier AIN OM) provides threshold reporting of OMs for the Carrier Advanced Intelligent Network (CAIN). The CAINOM reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CAINOM reports are: 21396, 22396, 23396, 24396, 27396.

Fields required for group CAINOM:

AINTIMO	AINTRDNA	AINSBOUT	AINABNDN	AINTOVFL	TERMGNCT
AINACGBK	AINACGRQ				

T-2x397 OM group **CAINTRIG**

CAINTRIG (Carrier AIN Trigger) provides OMs for each Carrier Advanced Intelligent Network (CAIN) Trigger and Event Detection Point. The CAINTRG reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CAINTRIG reports are: 21397, 22397, 23397, 24397, 27397.

Fields required for group CAINTRIG:

QUERY	RESPRCVD	BLOCKED	IGNORE	NOTRIG	LEAVETDP
ERROR	NO_MATCH	QUERYSCU	STRCONV	RCLRCONV	EDPSRCVD
EDPREQ	EDPNOTIF	FEATADDR	FEATAUTH	FEATCARD	NEXTRTE
NEXTCNRTE	VIPREQ	VIPRESP	CITR	CIFR	CTRCONV
CCLRCONV					

T-2x398 OM group **CAINUIF**

CAINUIF (Carrier AIN User Interface Framework) provides OMs for TCAP *Send_To_Resrouce* and *Connect_To_Resrouce* messages. The CAINUIF reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CAINUIF reports are: 21398, 22398, 23398, 24398, 27398.

Fields required for group CAINUIF:

AINTOTDC	AINTOTAN	AINUSRAB	AINRSCNA	AINRSCNI	AINTOTTN
AINBUFFR	AINBUFOV	AINPSIGN	AINPDIAL		

T-2x231 OM group **CALLWAIT**

The OM group CALLWAIT (Call Waiting) is used for both RES and IBN lines. The CALLWAIT reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CALLWAIT reports are: 21231, 22231, 23231, 24231, 27231.

Fields required for group CALLWAIT:

CWTTATT	CWTABDN	CWTFAIL	CWRCL	CWDATT	CWDABDN
CWDFAIL	CWDEXMPT	CWOATT	CWOABDN	CWOFAIL	CWOEXMPT
CWTTOVFL	CWOOVFL	CCWGRANT	DNYBYCCW	MBSCATT	MBSCABDN
MBSCFAIL	MBSEXMPT	CWTCATT	CWTCCONF	CWTCPPU	CWTCINV

T-2x420 OM group **CAUCPFRQ**

The registers in OM group CAUCPFRQ (CAU Call Processing Frequency) measure CDMA application unit (CAU) frequency based on call processing resources and messages. The CAUCPFRQ reports are: 21420, 22410, 23420, 24410, 27410. The field descriptions required for OM group CAUCPFRQ are:

MCTORIGS	MCTOATTS	MCTOSUCC	MCTPGRES	MCTTATTS	MCTTSUCC
MCTHCATT	MCTHATTS	MCTHSUCC	MCTHRLFL	MCTERSFL	MCTNOTCE
MCTNOWCD	MCTNOFOF	MCTFWCAP	MCTRECAP	MCTERLFL	MCTAREQT
MCTAREQN	MCTARQFN	MCTDROPR	MCTREGIS		

T-2x232 OM group **CAUCPSCT**

The OM group CAUCPSCT (CDMA application unit) measures sector-based call processing resources and messages. The CAUCPSCT reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CAUCPSCT reports are: 21232, 22232, 23232, 24232, 27232.

Fields required for group CAUCPSCT:

CAUPGRES	CAUPGRRS	CAUTSUCC	CAUTBLKS	CAUEDLOT	CAUTRLS
CAUOATTS	CAUOSUCC	CAUOBLKS	CAUORODR	CAUORLS	CAUERSFL
CAUERLFL	SLTPGRES	SLTPGRRS	CAUHATTS	CAUHBLKS	CAUHRLFL
CAUHSUCC	CAUHRLS	CAUDROPR	CAUDROPN	CAUESWFL	MCTAHRQF
MCTALLTO	MCTALLFU	MCTAREQF	CAUFWCAP	CAURECAP	CAUNOTCE
CAUNOWCD					

T-2x233 OM group **CAUCPSYS**

CAUCPSYS (CAU call processing system) tracks events on a per-CAU basis and is used to measure CAU call processing performance as well as to record the number of various call processing events for CDMA test calls (Markov and Loopback), such as test call attempts.

The CAUCPSYS reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CAUCPSYS reports are: 21233, 22233, 23233, 24233, 27233.

Fields required for group CAUCPSYS:

CAUPGREQ	CAUPGRTY	CAUPGTO	CAUDUPPG	CAUUNXPG	CAUORIGS
CAUREGNS	CAUHOSRC	CAUHOTRG	CAUHSOFT	CAUVDSCD	CAUVRJCT
CLARTRIG	CAUCNICV	CAUCNITR	CAUPMWNA	CAUPMWNC	CAUPMWNR
CAUTMWNA	CAUTMWNC	CAUTMWNR	SLTPGREQ	SLTPGRTY	SLTPGTO
CAUCPSY1	CAUFLASH	CTCATTS	CTCCOMPS	CTCPGTO	CTCOTHFL
CAUMRLS	CAULRLS				

T-2x234 OM group **CBK**

CBK (Code Block Group) counts call attempts that are blocked or passed by the network management (NWM) CBK control. The group counts each call attempt made under NWM CBK.

The CBK reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CBK reports are: 21234, 22234, 23234, 24234, 27234.

Fields required for group CBK:

CBKCNT	CBKPASS

T-2x235 OM group **CDACTS**

CDACTS (Customer Dialed Automatic Coin Toll Service) provides information about calls that can receive automatic coin toll service (ACTS). Calls may be routed to ACTS for the following reasons: Initial coin charges, coin charges due collection, initial coin period notification, nonstandard notification, or time and charges information.

The CDACTS reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CDACTS reports are: 21235, 22235, 23235, 24235, 27235.

Fields required for group CDACTS:

ACTSINI	ACTSCHG	ACTSCNFY	ACTSNFY	ACTSTAC	ACTSFAIL
ACTSWALK	ACTSABN	ACTSSUC	CACTSOPRI	ACTSOPRR	ACTSTEST

T-2x236 OM group **CDMCCS**

CDMCCS (Customer-dialed mechanized calling card service) counts mechanized calling card services (MCCS) call attempts and failures caused by hardware problems with MCCS receivers (RCVRMCCS). The failures with the digital recorded announcement machine (DRAM) are also counted. Registers in this group also count attempts to make MCCS sequence calls and queries sent to the billing validation database on sequence calls. Registers in this group also count sequence call failures caused by hardware problems with either MCCS receivers or DRAMS.

The CDMCCS reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CDMCCS reports are: 21236, 22236, 23236, 24236, 27236.

Fields required for group CDMCCS:

MCCSATT	MCCSFAIL	SEQATT	SEQFAIL	MCCSOPR	MCCSABN
MCCSSUCC	SEQQRY	MCCSACBS	MCCSACBF		

T-2x237 OM group **CF3P**

Lines that use the Three-way Calling (3WC) feature request *three-port conference circuits* (CF3P). Calls that go to service analysis position after the activation of the position request three-port conference circuits. Trunk test positions request three-port conference circuits when a request to monitor talking is issued.

The CF3P report shows the usage per poll interval on all of the fields listed below for the observation period. It also calculates the UNAVAIL CKTS, Calls in Queue, % OVFL and % LOAD. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CF3P reports: 21237, 22237, 23237, 24237, and 27237.

Fields required for group CF3P:

CNFSZRS	CNFOVFL	CNFQOCC	CNFQOVFL
CNFQABAN	CNFTRU	CNFSBU	CNFMBU

AVAIL CKTS

T-2x238 OM group **CF3P for TOPS**

The OM group CF3P for TOPS is a variant of CF3P and applies to TOPS offices with toll and combined local/toll.

The CF3P for TOPS report shows the usage per poll interval on all of the fields listed below for the observation period. It also calculates the UNAVAIL CKTS, Calls in Queue, % OVFL and % LOAD. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CF3P for TOPS reports: 21238, 22238, 23238, 24238, and 27238.

Fields required for group CF3P for TOPS:

CNFSZRST	CNFOVFL	CNFQOCCT	CNFQOVFT	CNFQABNT
CNFTRUT	CNFSBUT	CNFMBUT	TOPSZRS	TOPSOVFL
TOPSTRU	AVAIL CKTS			

T-2x239 OM group **CF6P**

The OM group CF6P provides information on the use of a 6-port conference circuit. The CF6P report shows the usage per poll interval on all of the fields listed below for the observation period. It also calculates the Calls in Queue, % OVFL and % LOAD. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CF6P reports: 21239, 22239, 23239, 24239, and 27239.

Fields required for group CF6P:

CF6SZRS	CF6OVFL	CF6QOCC	CF6QOVFL	CF6QABAN
CF6TRU	CF6SBU	CF6MBU	AVAIL CKTS	

T-2x240 OM group **CFRA**

CFRA (Call Forward Remote Access) measures the use of the call forward remote access (CFRA) feature and failures. Separate registers count attempts to use CFRA and failures caused by: not enough hardware or software resources, missing entries, or subscriber dialing that is not correct.

The CFRA reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CFRA reports are: 21240, 22240, 23240, 24240, 27240.

Fields required for group CFRA:

CFRAATT	CFRASWOV	CFRAHWOV	CFRALIMT	CFRADENY	CFRAFAIL

T-2x410 OM group **CFWPOTS**

CFWPOTS (Call Forwarding in the POTS environment) counts attempts and failures to activate the following features.

- Call Forwarding Fixed
- Call Forwarding Programmable
- Call Forwarding Usage Sensitive Pricing

- Call Forward Busy Line
- Call Forward Don't Answer

The OM group CFWPOTS contains 21 peg registers. These registers are used to determine feature use. These registers are also used to determine if there are enough extension blocks, HEAP store, or system resources. The CFWPOTS reports are: 21410, 22410, 23410, 24410, 27410. The CFWPOTS field descriptions are:

CFBPATT	CFBPDENY	CFBPOVFL	CFBPSOV
CFDPATT1	CFDPCNC1	CFDPDENY	CFDPFAIL
CFDPOVFL	CFDPSOV	CFPADENY	CFPAOVFL
CFPFDENY	CFPFOVFL	CFWPAATT	CFWPFATT
CFWPSUC1	CFWPSUC2	CFWSOV	

T-2x411 OM group CM

The OMgroup CM (Computing Module) provides information on the performance of the computing module (CM). The computing module is the control component of a DMS SuperNode switch. The CM performs call processing and maintenance functions. The computing module consists of the following duplicated central processing units (CPU), memory, message controllers (MC) and subsystem clocks (SSC).

Twenty-three peg registers count:

- manual and system requests for switches of activity (SWACT)
- SWACTs that a routine exercise test (REx) cause
- warm restarts that a system or manual action cause
- cold restarts that a system or manual action cause
- transient mismatches
- loss of sync that mismatch interrupts cause
- fault traps
- faults in the CPU, memory, or SSC
- aborted REx tests
- system busy MCs
- system-busy peripheral module controller (PMC) nodes or ports
- failed REx tests of a CPU, memory, LINK or PMC class
- failed SSC section of LINK class REx

CMhas three usage registers that record which of the following reasons causes the CM to operate out-of-sync:

- manual or system action
- REx tests

The system uses data that the CM provides to assess the performance of the computing module. The system also uses the data to monitor fault interrupts and resource outages. The CM reports are: 21411, 22411, 23411, 24411, 27411. The fields required for OM group CM are:

CMCPUFLT	CMDPSYNC	CMMCINIT	CMMCSBSY
CMMEMFLT	CMMSMPXU	CMMSWACT	CMMWINIT
CMRCPUFL	CMREXFLT	CMRLNKFL	CMRMEMFL
CMRPMCFL	CMRSMPXU	CMRSWACT	CMSCINIT
CMSSCFLT	CMSSMPXU	CMSSWACT	CMSWINIT
CMTRAP	CMTRMISM	PMCLKBSY	PMCNDBSY
CMRBASFL	CMRFULFL		

T-2x241 OM group CNAB

CNAB (calling name delivery blocking) provides a record of the activity of the CNAB feature for Residential Enhanced Services (RES). It also provides a record of the activity of the CNAB feature for Meridian Digital Centrex (MDC) lines. The CNAB feature is Caller ID Delivery and Suppression-Delivery (CiDSDLV) for Integrated Services Digital Network (IDSN) lines. The CNAB feature also uses this group. You can obtain the CNAB feature alone or as part of the universal access group of features.

The CNAB reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CNAB reports are: 21241, 22241, 23241, 24241, 27241.

Fields required for group CNAB:

CNABATT	CNABFDEN	CNABSACT	CNNDSDEL	CNABUNIV	CNABDENY	CNNDDENY

T-2x242 OM group **CNAMD**

CNAMD (Calling Name Delivery) measures the display activity for the CNAMD feature for both intra- and inter-switched calls.

The CNAMD reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CNAMD reports are: 21242, 22242, 23242, 24242, 27242.

Fields required for group CNAMD:

CNAMDEL	CNAMPDEL	CNAMODEL	NANUMDEL	NAMTCPQ	NAMTCPTO
TRIDUAVL	NAMACGBK	NAMACGOV	NAMISPTO	LOCLKUP	

T-2x243 OM group **CND**

CND (Calling Number Delivery) provides information on the office-wide use of Custom Local Area Signaling Service (CLASS) display features. These features include: Dialable Directory Number (DDN), Calling Number Delivery (CND), Calling Name Delivery (CNAMD), and Redirecting Number and Reason Delivery (RND). This OM applies to Residential Enhanced Services (RES), Meridian Digital Centrex (MDC), and Integrated Services Digital Network (ISDN) lines.

The CND reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CND reports are: 21243, 22243, 23243, 24243, 27243.

Fields required for group CND:

CNDACT	CNDDACT	CNDFDNA	CNDFDND	CNDOVFL	CNDDNDEL	CNDDDEL2
CNDPDEL	CNDPDEL2	CNDODEL	CNDODEL2	CNDUNAVL	DDNDEL	DDNDEL2
DDNUNAVL	DDNNUNIQ	DDNTRUNC	LDIDEL	LDIDEL2	LDIOVFL	CNMDEL
CNMDEL2	CNMNDEL	CNMNDEL2	CNMUNAVL	CNMUNAV2	NNDUNAVL	SCWIDDEL
CSCWDACT	SCWDNYDS	CNMDODEL	CNMDPDEL	CNDCDEL	CNDCDEL2	CNDSDEL
CNDSDEL2						

T-2x244 OM group **CNDB**

CNDB (Calling Number Delivery Blocking) provides information on office-wide use of the following: CNDB feature for Residential Enhanced Services (RES), Meridian Digital Centrex (MDC), Integrated Services Digital Network (ISDN) lines, Resource shortages or denials that result form use of the CNDB, MDC and ISDN.

The CNDB reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CNDB reports are: 21244, 22244, 23244, 24244, 27244.

Fields required for group CNDB:

CNDBATT	CNDBSUP	CNDBUSUP	CNDBFDEN	CNDBOVFL
CNNBSUP	CNDBUNIV	CNDBDENY	CNBDENY	CNNBDENY

T-2x245 OM group **CNDXPM**

CNDXPM (CND info for XPMs) increases when CND SUSP and CND automatic message accounting (AMA) are activated or deactivated. The OM group OTS register ORGFSET appears only in DMS-100 switch offices without TOPS.

The CNDXPM reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The reports can be displayed in a condensed, or not condensed way. The condensed report has less information on it. The CNDXPM reports are: 21245, 22245, 23245, 24245, 27245. Fields required for group CNDXPM:

CNDNOMON	CNDNOMDM	CNDEANS	CNDOABND	CNDMSG	SCWDATTS
SCWDCOMP	SCWDFAIL	SCWDNUTR	SCWDNAKA	SCWDNAKR	SCWDOVLP
CNDATTS	CNDCOMP	ADSIATTS	ADSICOMP	CMRRINGD	CMRMODEM
CMRCNDRQ	CMRBCLDR	CMRADSIR	CMRFASTQ	CMRTIMRQ	CMRSHRAM

T-2x246 OM group **COT**

COT (Customer-Originated Trace) measures the use of the Customer-originated Trace feature for an office. You can obtain this feature alone or as part of the common access group of features. Registers in the OM group COT count attempts, successful completions, not finished completions, and reasons for failures.

The COT reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The COT reports are: 21246, 22246, 23246, 24246, 27246. Fields required for group COT:

COTATT	COTFDEN	COTOVFL	COTCMPL	COTINCM	COTPRCD
COTOPTO	COTBDIN	COTPFLR	COTUNIV	COTDENY	

T-2x247 OM group **CP**

The OM group CP provides information on the use of call processing software resources such as call condense blocks, call processes, multi-blocks, wakeup blocks, and long buffers. CP contains 27 peg registers.

The CP report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CP reports: 21247, 22247, 23247, 24247, and 27247.

Fields required for group CP:

CCBSZ	CCBOVFL	CPSZ	CPTRAP
CPSUIC	ORIGDENY	WAITDENY	CPLSZ
CPLOOVFL	CPLPOVFL	CPLOSZ	OUTBSZ
OUTBOVFL	MULTSZ	MULTOVFL	WAKESZ
WAKEOVFL	CINITC	WINITC	INITDENY
INLBSZ	INLBOVFL	CPLBOOVF	

T-2x250 OM group **CPUSTAT**

CPUSTAT (Central Processing Unit Status) provides information on CPU occupancy. The CPU occupancy is the percentage of total CPU time that the CPU spends on one function CPU STAT shows the CPU percentage assigned to the scheduler and the percentage available for call processing at capacity. You can use this OM group to check capacity.

The CPUSTAT reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The CPUSTAT reports are: 21250, 22250, 23250, 24250, 27250.

Fields required for group CPUSTAT:

CPSCPOCC	CCPAVAIL	CPSSCHED	CPSFORE	CPSMAINT	CPSDNC	CPSOM
CPSGTERM	CPSBKG	CPSIDLE	CPSAUXCP	CPSNETM	CPSSNIP	

T-2x412 OM group **CWTPOTS**

The OM group CWTPOTS (Call Waiting in the Plain Old Telephone Service (POTS) environment) contains six registers that count attempts and failures to activate the POTS Call Waiting (CWT) feature.

To determine how often Call Waiting is in use and if hardware and software resources are correctly equipped, use CWTPOTS. The CWTPOTS reports are: 21412, 22412, 23412, 24412, 27412. The field descriptions for CWTPOTS are:

CCWPATT	CCWPNOWT	CWTPABDN	CWTPATT	CWTPDENY	CWTPOVFL

T-2x251 OM group **DCCICPCP**

The OM group DCCICPCP (Digital Control Channel ICP Call Processing) contains OMs that are collected and pegged in the Intelligent Cellular Peripheral (ICP) and are used for call processing activities. The registers in this group provide useful information to aid in system DCCH performance problems.

The DCCICPCP report shows the usage per poll interval on all of the fields listed below for the observation period. It also calculates the % MBL ORIG COMP. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following

areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The DCCICPCP reports: 2170, 2270, 2370, 2470, and 2770.

Fields required for group DCCICPCP:

DPAGEREQ	DCCPGRES	DCCMBORG	DMBLORGC
DMBLTERC	DCCHMSG	DINCPGRE	DUNEXPGR
DCCHMWOA	DCCMWOC1	DCCMWOCR	DDIRETRY
DSBITMIS	DPRADPA	DPREXPA	DPGREXPA
DPGRADPA	DCCRMHOF	DCRGATTS	

T-2x413 OM group **DCM**

The OM group DCM (Digital Carrier Module maintenance Summary) contains nine registers that count the following:

- errors detected in in-service DCMs
- circuit diagnostics
- DCMs that become manual busy and system busy
- terminals that the system cuts off because DCMs become manual busy system busy
- outside plant circuit failures

Two usage registers record if DCMs are system busy or manual busy. The DCM reports are: 21413, 22413, 23413, 24413, 27413. The filed descriptions required for group DCM are:

DCMCCTDG	DCMCCTFL	DCMCCTOP	DCMERR
DCMFLT	DCMMBP	DCMMBTCO	DCMMBU
DCMSBP	DCMSBTCO	DCMSBU	

T-2x252 OM group **DRCW**

DRCW (Distinctive Ringing/Call Waiting) monitors use of the Distinctive Ringing/Call Waiting (DR/CW) feature. You can obtain this feature alone or as part of the common access group of features.

The DRCW reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The DRCW reports are: 21252, 22252, 23252, 24252, 27252.

Fields required for group DRCW:

DRCWEATT	DRCWEDEN	DRCWEOVF	DRCWACT	DRCWDACT	DRCWEUSG
DRCWSAT	DRCWSAT2	DRCWSDEN	DRCWSBLK	DRCWRING	DRCWTATT
DRCWTOVF	DRCWUNIV	DRCWDENY	DRCWAUNV	DRCWDUNV	

T-2x253 OM group **DS1CARR**

DS1CARR (DS1 digital carrier maintenance summary) provides information about maintenance thresholds and out-of-service (OOS) thresholds. This OM group provides this information for digital trunks on digital peripheral modules (PM). When the DS-1 exceeds OOS thresholds, the system removes the DS-1 from service until the DS-1 is manually returned to service. Trunks on the DS-1 carrier are set to the carrier fail state. You can set each DS-1 carrier to NOT TO BE REMOVED or leave the DS-1 carrier alone. You perform this procedure when the DS-1 carrier reaches the DS-1 threshold. If you set the DS-1

carrier to NOT TO BE REMOVED, the system only generates a log. The CARRIER level of the MAP terminal displays this information on the DS-1 carrier.

The DS1CARR reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The DS1CARR reports are: 21253, 22253, 23253, 24253, 27253. Fields required for group DS1CARR:

DS1LCGA	DS1RCGA	DS1LOF	DS1SLP	DS1SBU	DS1MBU	DS1PBU
DS1CBU	DS1BER	DS1ES	DS1SES	DS1UAS	DS1AIS	DS1ECF

T-2x380 OM group **DSPRMAN**

DSPRMAN (Digital Signal Processor Resource Module (RM) Resource Management (RMAN) contains measures for continuity test (COT), dual tone multifrequency (DTMF), and tone synthesizer (TONESYN) resource events and usage statistics on the DMS-Spectrum PERIPHERAL Module (SPM) in the trunking application. These resources exist only on SDSP RMs on a SPM node.

The DSPRMAN reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The DSPRMAN reports are: 21380, 22380, 23380, 24380, 27380.

Fields required for group DSPRMAN:

COTLOW	COTLOST	COTDENY	COTUTIL	COTHI	COTFAIL	DTMFLOW
DTMFLOST	DTMFDENY	DTMFUTIL	DTMFHI	MFLOW	MFLOST	MFDENY
MFUTIL	MFHI	TONELOW	TONELOST	TONEDENY	TONEUTIL	TONEHI

T-2x254 OM group **DTSR**

The OM group DTSR (Dial Tone Speed Recording) provides information for the host site register. The DTSR provides information on the ability of the switch to return a dial tone for a host site in 3's.

The DTSR report shows the usage per poll interval on all of the fields listed below for the observation period. It also calculates the % DELAY. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The DTSR reports: 21254, 22254, 23254, 24254, and 27254.

Fields required for group DTSR:

TOTAL	DELAY

T-2x255 OM group **DTSRPM**

The OM group DTSRPM (Dial Tone Speed Recording on a peripheral module base) provides information on dial tone speed recording (DTSR). This group provides information on DTSR for each peripheral module (PM) and for all line concentrating devices (LCD) in the switch.

The DTSRPM report shows the usage per poll interval on all of the fields listed below for the observation period. It also calculates the % DPL DELAY, % DGT DELAY AND % KS DELAY. Totals are displayed at the bottom of the report. It also displays the maximum

usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The DTSRPM reports: 21255, 22255, 23255, 24255, and 27255.

Fields required for group DTSRPM:

DPLTOT	DPLDLY	DGTTOT
DGTDLY	KSTOT	KSDLY

T-2x256 OM group **EACARR**

EACARR (Equal Access Carrier Measurements) provides information on equal access measurements for each carrier that connects to the access tandem (AT). It makes measurements for each InterLATA carrier (IC) or international carrier (INC).

The EACARR reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The EACARR reports are: 21256, 22256, 23256, 24256, 27256. Fields required for group EACARR:

EAWNKFL	EADOMES	EAINTL	EAINTRM	EAACKFL
EADOMPIC	EADOMXXX	EAINTPIC	EAINTXXX	

T-2x257 OM group **EASHRTRK** (U.S. only)

EASHRTRK (equal access charged trunk group traffic measurements) counts outgoing calls and overflows on trunk groups from end offices. It counts access tandems that carry calls for multiple interexchange carriers (IEC).

The EASHRTRK reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The EASHRTRK reports are: 21257, 22257, 23257, 24257, 27257. Fields required for group EASHRTRK:

STGOPEG	STGUSG	STGOVFL

T-2x258 OM group **ENETMAT**

ENETMAT (Enhanced Network Matrix Card) monitors the performance of enhanced network (ENET) matrix cards. OMs for ENET matrix cards are divided into two sets: crosspoint (XPT) cards (like NT9X35) and link paddle boards (PB) (like NT9X40 & NT9X41).

The ENETMAT reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The ENETMAT reports are: 21258, 22258, 23258, 24258, 27258. Fields required for group ENETMAT:

ENCDERR	ENCDFLT	ENSBCDU	ENMBCDU	ENOFCDU	ENCDPARU	ENSCDPAR
ENMCDPAR	ENCDISOU	ENSCDISO	ENMCDISO	ENPBERR	ENPBFLT	ENSBPBU
ENMBPBU	ENPBPARU	ENSPBPAR	ENMPBPAR	ENPBISOU	ENSPBISO	ENMPBISO

T-2x259 OM group **ENETOCC**

ENETOCC (Enhanced Network occupancy) monitors the CPU occupancy of in-service enhanced network (ENET). The OM group ENETOCC provides information on each ENET in a DMS-100 family switch. Each ENET CPU sends occupancy information to the computing module (CM) every 60 s. The CM copies this information in to the OM registers.

The ENETOCC reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The ENETOCC reports: 21259, 22259, 23259, 24259, 27259. Fields required for group ENETOCC:

ENCPOCC	ENSCHED	ENFORE	ENMAINT	ENBKG	ENIDLE

T-2x424 OM group **ENETOCC** (condensed) Same as ENETOCC only summarized.

T-2x260 OM group **ENETPLNK**

ENETPLNK (Enhanced Network Peripheral-side links) monitors the performance of ENET P-side links. All SuperNode offices with ENET have OM group ENETPLNK.

The ENETPLNK reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The ENETPLNK reports are: 21260, 22260, 23260, 24260, 27260. Fields required for group ENETPLNK:

ENSPCHER	ENLKERR	ENLKFLT	ENSBLKU	ENMBLKU	ENLKPARU
ENSLKPAR	ENMLKPAR	ENLKISOU	ENSLKISO	ENMLKISO	

T-2x423 OM group **ENETSYS**

All SuperNode offices with ENET have OM group ENETSYS

The OM group ENETSYS (Enhanced Network System Card) monitors the performance of the following enhanced network (ENET) system cards:

- NT9X13 - Processor card
- NT9X26 - Remote terminal interface paddle board
- NT9X36 - Network clock and message controller card
- NT9X40 - Quad DS-512 fiber interface paddle board
- NT9X30 - +5 V power converter
- NT9X31 - -5 V power converter

The ENETSYS contains 12 registers that count:

- errors in ENET system cards
- faults in ENET system cards
- calls that the system denies because system cards are out of service (OOS)
- ENET central processing unit (CPU) traps

The ENETSYS reports are: 21423, 22423, 23423, 24423, 27423. The field descriptions required for OM group ENETSYS are:

ENCALDND	ENCOLD	ENERR	ENFLT	ENISOU	ENMBU
ENMISOP	ENMPARP	ENPARU	ENPARUHI	ENPARULO	ENRELOAD
ENSBU	ENSISOP	ENSPARP	ENSWERRS	ENTRAPS	ENWARM

T-2x262 OM group **ESP**

ESP (Essential Service Protection) counts calls on essential service lines and failures to process essential line calls because of resource shortages.

The ESP reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The ESP reports are: 21262, 22262, 23262, 24262, 27262. Fields required for OM group ESP:

ESPORIG	ESPOVRD	ESPDELAY	ESPPMORG	ESPPMSTL	ESPPMBLK	ESPPMCCO

T-2x263 OM group **EXT**

EXT (Extension Block OM) monitors the use of extension blocks. Extension blocks are auxiliary software resources allocated to calls for purposes like: special billing records, data extensions for operator services and custom calling features.

The EXT reports show the usage per interval on all of the fields listed below for the observation period. The number of installed extension blocks is shown also. The totals for each group per day, % Overflow per interval, and % Utilization per interval are calculated. The reports also display the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The EXT reports are: 21263, 22263, 23263, 24263, 27263. Fields required for OM group EXT:

EXTSEIZ	EXTOVFL	EXTHI

T-2x264 OM group **FTRQ**

FTRQ (Feature Queue Software Resources) counts the number of successful and unsuccessful requests for feature queue blocks made in an OM transfer period. The high-water mark (register FTRQHI) records the maximum number of feature queue blocks to date that were in simultaneous use during a transfer period.

The FTRQ reports show the usage per interval on all of the fields listed below for the observation period. The number of installed extension blocks is shown also. The totals for each group per day and % Utilization per interval are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The FTRQ reports are: 21264, 22264, 23264, 24264, 27264. Fields required for OM group FTRQ:

FTRQSEIZ	FTRQSZ2	FTRQOVFL	FTRQOFL2	FTRQHI	FTRQHI2

T-2x385 OM group **HPCBASIC**

HPCBASIC (High Probability Completion - Basic) monitors HPC call traffic. Registers count the number of HPC call attempts on lines and trunks, and keep track of how these calls are handled.

The HPCBASIC reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The

HPCBASIC reports are: 21385, 22385, 23385, 24385, 27385. Fields required for OM group HPCBASIC:

LINEATT	TRKATT	TERMLINE	TERMTRK	TERMNC	TERMIEC
TERMIECN	EXNMCTRL	TQQATT	TQQOVFL	TQQABDN	TQQTMREX
EQQATT	EQQOVFL	EQQABDN	EQQTMREX	ACGEXMPT	ACGBLOCK

T-2x386 OM group **HPCTRKGP**

HPCTRKGP (High Probability Completion Trunk Group) measures HPC call traffic on a trunk group basis. Registers count the number of HPC call attempts on a trunk group, the number of HPC calls that overflowed due to all members of a trunk group being busy, the number of trunk group queue overflows, and the number of queued calls encountering a timeout treatment.

The HPCTRKGP reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The HPCTRKGP reports are: 21386, 22386, 23386, 24386, 27386. Fields required for OM group HPCTRKGP:

HPCATT	HPCOVFL	QUETMREX	QUEOVFL

T-2x265 OM group **HUNT**

The OM group HUNT provides information on the performance of each hunt group in the DMS switch. The OM group HUNT counts: attempts to terminate calls on lines in the hunt group, attempts that fail to find an available line and overflow, and calls attempted again that terminate on a line and fail.

The HUNT report shows the usage per poll interval on all of the fields listed below for the observation period. It also calculates the % OVFL AND % REHUNT. Totals are displayed at the bottom of the report. The HUNT reports: 21265, 22265, 23265, 24265, and 27265.

Fields required for group HUNT:

HUNTATT	HUNTOVFL	HUNTRHNT	HUNTTRF	HUNTMNT

T-2x266 OM group **IBNAC**

IBNAC (Integrated Business Network attendant console) provides information on the number and types of calls handled by individual attendant consoles. The types of calls counted include listed directory number, O type, intercepted, transferred, forwarded, recalled, and a misc. category for any other calls. This DM group also counts the number of times attendants hold, originate, and extend calls.

The IBNAC reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The IBNAC reports are: 21266, 22266, 23266, 24266, 27266. Fields required for OM group IBNAC:

IACLDN	IACINTRP	IACDIAL0	IACXFRAT	IACRECAL
IACCFW	IACSPCL	IACQTOTL	IACPOSBY	IACORIG
IACEXTD	IACHLD	IACAUTH	IACTOTDR	IACORGDR
IACCTVTU	IACBSYDR	IACLDN1	IACLDN2	IACLDN3

IACLDN4	IACLDN5	IACLDN6	IACLDN7	IACLDNR

T-2x268 OM group IBNSG

IBNSG (integrated Business Network Subgroup) provides information about the activities of customer group attendant consoles by the subgroup. A customer group is a set of lines, which belong to a group of individuals that request special service. Subgroups allow customers to have attendant-type calls that the subgroups answer locally during the day or busy hours. Subgroups centralize this function. A customer group can have up to seven subgroups. A subgroup can have up to 32 consoles.

The IBNSG reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The IBNSG reports are: 21268, 22268, 23268, 24268, 27268. Fields required for OM group IBNSG:

WRKTMU	LPU	CWINQU	ACTVTU	LPOVFL	ATQDFL
ABNDN	NSCALLS	ANSLDN	ANSINTRP	ANSDIAL0	ANSXFRAT
CWRECALL	CORECALL	DARECALL	RECALLS	SPCLCCT	ANSCFW
LPHLDREC	ANSDELAY	QTOTAL	ORIGCALL	EXTDCALL	HLDCALL
AUTHCALL	TOTDR	ORIGDR	ACPOSBY	ACBSYSDR	SERIALRC

T-2x275 OM group IOC

The OM group IOC (input.output Controller maintenance summary) provides information about the performance of input/output controllers (IOC). Each IOC is an interface between a maximum of 36 input/output devices and the central message controller (CMC).

Three peg registers count:

- errors and faults in the IOCs
- device errors the system detects on P-side links

Four usage registers record:

- system busy links
- manually busy links
- system busy IOCs
- manually busy IOCs

The data that the IOC supplies is used to monitor the performance of the IOCs and the output devices that the IOCs support. The IOC reports are: 21275, 22275, 23275, 24275, 27275. The field descriptions required for IOC are:

IOCERR	IOCFLT	IOCLKERR	IOCLKMBU	IOCLKSBU	IOCMBU
IOCSBU					

T-2x276 OM group IOSYS

The OM group IOSYS (Input and Output System) counts errors that the input/output (I/O) system detects in incoming or outgoing messages. Examples of problem conditions include errors or rebounded message interrupts that originate in the central message controller (CMC).

Diagnostics determine if the errors counted by IOSYS originate in the CMC or a network message controller (NMC). If the errors originate in the CMC or NMC, groups CMC or NMC count the errors.

Data supplied by IOSYS is used to monitor the performance of the I/O system. The IOSYS reports are: 21276, 22276, 23276, 24276, 27276. The field descriptions required for IOSYS are:

IOSYSERR

T-2x280 OM group **ISDD**

ISDD (Incoming start-to-dial delay) provides information on the grade of service given to incoming trunk calls to a DMS switch. The incoming trunk calls to a DMS switch go through three types of XMS-based peripheral modules (XPM). When the length of time required to complete a call exceeds a defined threshold, the register for each XPM increases.

The ISDD reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max 21280, 22280, 23280, 24280, 27280. Fields required for group ISDD:

DPSEIZ	DPATMPT	DPTDLY	DPABDN	DTSEIZ	DTATMPT
DTTDLY	DTABDN	MFSEIZ	MFATMPT	MFTDLY	MFABDN
OTHSEIZ	OTHATMPT	OTHTDLY	OTHABDN	ISDDMSG	

T-2x281 OM group **ISGCPU**

ISGCPU (ISDN services group CPU occupancy) measures ISDN services group (ISG) occupancy of the D-channel handler (DCH) CPU. It contains a count of the CPU occupancy that lies in each of ten percentage ranges. For example, 0-10%, 10-20%, and so on.

The ISGCPU reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The ISGCPU reports are: 21281, 22281, 23281, 24281, 27281. Fields required for group ISGCPU:

DCPU10	DCPU20	DCPU30	DCPU40	DCPU50	DCPU60
DCPU70	DCPU80	DCPU90	DCPU100	DCPUTOT	DCPURTR

T-2x282 OM group **ISGOVLD**

ISGOVLD measures the degree of overload of an ISDN services group (ISG). It provides information on the three levels of overload control for an ISG: congestion, overload, and frame discard.

The ISGOVLD reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The ISGOVLD reports are: 21282, 22282, 23282, 24282, 27282. Fields required for group ISGOVLD:

CONGENTR	CONGEXIT	CONGTIE	OVLDENTR
OLDEXIT	OVLDTIME	OV16DSC	OV16DSC2

T-2x284 OM group **ISUPCONN**

The OM group ISUPCONN (Integrated Services Digital Network User Part Connection) provides information on circuit availability and successful call attempts. This information is used to determine the effects of the surrounding network on integrated services digital network (ISDN) user part (ISUP) performance.

The ISUPCONN report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The ISUPCONN reports: 21284, 22284, 23284, 24284, and 27284.

Fields required for group ISUPCONN:

ISCONBAD	ISCONUCE	ISCONUCC	ISCONUCA
ISCONUCF	ISCONUCN	ISCONUCB	ISCONUCS
ISCONUCO	ISCONCOT	ISCONICC	ISCONFAR
ISCONINR			

T-2x285 OM group **ISUPERRS**

The OM group ISUPERRS (Integrated Services Digital Network User Part Errors) counts abnormal conditions, unexpected messages, and the absence of acknowledgment messages during call setup, call take down, and maintenance procedures on the switch. These counts are used by maintenance personnel to track integrated services digital network user part (ISUP) stability.

The ISUPERRS report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The ISUPERRS reports: 21285, 22285, 23285, 24285, and 27285.

Fields required for group ISUPERRS:

ISERRRSC	ISERRGRS	ISERRBLO
ISERRBAD	ISERRRLC	ISERRREL

T-2x286 OM group **ISUPUSAG**

The OM group ISUPUSAG (Integrated Services Digital Network User Part Usage) counts incoming and outgoing integrated services digital network user part (ISUP) messages.

The ISUPUSAG report shows the usage per poll interval on all of the fields listed below for the observation period. It also calculates the % ORIG and % TERM. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The ISUPUSAG reports: 21286, 22286, 23286, 24286, and 27286.

Fields required for group ISUPUSAG:

ISMSGOUT	ISMSGIN

T-2x387 OM group **LINAC**

LINAC (Line access measurements) monitors grade of service for line access. The LINAC indicates the problems which customers' experience in an attempt to access a telephone network through an XMS-based peripheral module (XPM). Counts are made for each line-concentrating module (LCM). Four registers count call attempts, failures, abandons, and tone delays.

The LINAC reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The LINAC reports are: 21387, 22387, 23387, 24387, 27387. Fields required for group LINAC:

LINCAT	LINCATF	LINABAN	LINTDEL

T-2x287 OM group LM

OM group LM (Line module maintenance summary) provides maintenance measurements for line modules and remote line modules.

The LM report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The LM reports: 21287, 22287, 23287, 24287, and 27287.

Fields required for group LM:

LMERR	LMFLT	LMSBU	LMMBU
LMCCTDG	LMCCTFL	LMMBP	LMSBP
LMMBTCO	LMSBTCO	LMCCTOP	

T-2x288 OM group LMD

OM group LMD (Line Traffic) provides traffic information for the following peripheral modules (PM): remote line modules (RLM), line concentrating modules (LCM), virtual line concentrating modules (VLCM), remote concentrator terminals (RCT), remote concentrator subscribers (RCS), integrated services line modules (ISLM), digital line modules (DLM), very small remotes (VSR), enhanced line concentrating modules (ELCM), integrated services digital network (ISDN) line concentrating modules (LCMI), intelligent peripheral equipment (IPE) line modules (LM).

The LMD report shows the usage per poll interval on all of the fields listed below for the observation period. It also calculates the CCS per Attempt, % ORIG and % TERM. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. LM lines and CCS/Lines are also shown in the max usage section. The LMD reports: 21288, 22288, 23288, 24288, and 27288.

Fields required for group LMD:

NTERMATT	NORIGATT	LMTRU	TERMBLK
ORIGFAIL	PERCLFL	STKCOINS	REVERT
MADNTATT	ORIGBLK	ORIGABN	

T-2x289 OM group LNP

OM group LNP (local number portability) allows subscribers to change service providers and retain a directory number (DN).

The LNP report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval

ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The LNP reports: 21289, 22289, 23289, 24289, and 27289.

Fields required for group LNP:

LNPQRY	LNPQRY1	LNPQFT1	LNPRFERR
LNPQFRTE	LNPQESC	LNPQESC1	LNPQFACG
LNPQFSCP	LNPQFSSP	LNPREFCNT	LNPREFDSC
LNPRFSTR	LNPPORT	LNPPORT1	LNPREL
LNPUADNR	LNPUAHOM	LNPQLRNQ	LNPQLRNR
LNPQLRNV	LNPQLRNA		

T-2x414 OM group LOGS

The OM group LOGS counts:

- lost log reports
- software error reports from the central control complex (CCC)
- software error reports from peripheral modules (PM)
- trap reports from PMs

The OM group reports are: 21414, 22414, 23414, 24414, 27414. The field descriptions required for OM are:

LOSTREC	PMSWERCT	PMTRAPCT	SWERRCT

T-2x415 OM group MS

The OM group MS (Message Switch) monitors the quality of the performance of the message switch (MS). You can use the MS to evaluate maintenance efforts.

TheOMgroup MS resources are in three categories: node, card, and link. The MS node resource has system cards the system requires for the operation of the MS. These system cards include the:

- processor card
- clock card
- memory card
- mapper card
- P-bus termination card
- T-bus termination card

The MS card resource has interface cards that contain the MS ports. The MS link resource has ports that receive messages from peripheral side (P-side) peripheral modules (PM). The system sends messages to the T-bus. The T-bus sends the message to the system.

Seven OM registers are present for each of the three resource categories. Registers count errors, faults, tests, test failures, and MSs that are manually busy. Usage registers record if the MS is manually busy or system busy.

The operating company uses MS to measure the reliability and availability of MS resources. The MS reports are: 21415, 22415, 23415, 24415, 27415. The field descriptions required for OM group MS are:

MSCDDIA	MSCDDIAF	MSCDERR	MSCDFLT
MSCDMBP	MSCDMBU	MSCDSBU	MSDIA
MSDIAF	MSERR	MSFLT	MSMBU
MSPTDIA	MSPTDIAF	MSPTERR	MSPTFLT
MSPTMBP	MSPTMBU	MSPTSBU	MSMBP
MSSBU			

T-2x416 OM group MTA

The OM group MTA (Metallic Test Access) counts seizures and failures of seizures of metallic test access (MTA) drivers. Usage registers record if MTA drivers are traffic busy or manually busy.

The OM group MTA refers to a single minibar switch of 16 horizontals and 20 verticals. The MTA card connects test equipment to line cards in a line concentrating device (LCD). Minibar drivers have a fixed CLLI, MTADRIVER, in table CLLI MTI. Measurements can be used for office provisioning and for monitoring components to determine if the components require maintenance action. The MTA reports are: 21416, 22416, 23416, 24416, 27416. The field descriptions required for MTA are:

MTAMBU	MTASZFL	MTASZRS	MTATRU

T-2x291 OM group MWTCAR

MWTCAR (Message waiting call request) provides information on feature use and traffic measurements. This OM also provides information on failures that result from a lack of software and hardware resources for the following features: Integrated Business Network (IBN), Message Waiting (MWT), Call Request (CAR), Call Memory (CM), Call Covering (CCV), or CLASS Message Waiting Indicator (CMWI). The MWTCAR reports can be displayed in a condensed or a non-condensed fashion.

The MWTCAR reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The MWTCAR reports are: 21291, 22291, 23291, 24291, 27291.

Fields required for OM group MWTCAR:

MWTATT	MWTACT	MWTDEACT	MWTOVFL	MWTQUERY	CARATT
CARFAIL	CAROVFL	CARODACT	CARTDACT	CARDOVFL	CARRETRV
CARRFAIL	CARROVFL	CMATT	CMFAIL	CMOVFL	CCVATT
CCVFAIL	CCVOVFL	CMWIACT	CMWIDACT	CMWINACK	CMWITRMS
CMWIUNAV	CMWISW	CMWRACT	CMWRDACT	CMWRDNAC	CMWRDNDA

T-2x292 OM group NARUSAGE

OM group NARUSAGE (Network Access Registers Usage) provides information about network access registers.

The NARUSAGE report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The NARUSAGE reports: 21292, 22292, 23292, 24292, and 27292.

Fields required for group NARUSAGE:

NARTOTAL	NARBLCKD	NARTRAF

T-2x362 OM group NMC

NMC (Network Module controller Maintenance Summary) counts errors and failures to recover from errors in speech connections, in-server message links between network modules and peripheral modules, and in-service network module controllers. This OM

group also records if out-of-service network modules, network module ports, and junctors are system busy or manual busy.

NMMSGER	NMSPCHER	NMCERR	NMMSGFL	NMSPCHFL	NMCFLT
NMSBU	NMMBU	NMPTSBU	NMPTMBU	NMJRSBU	NMJRMBU

T-2x293 OM group **OAINQMS**

OAINQMS (Operator Service System Advanced Intelligent Network Queue Management System) provides peg counts for OSSAIN calls on a per queue basis. It provides counts for calls that request an OSSAIN session from the QMS call agent and manager (CAM) and also counts on the action taken by the CAM in response to the request.

The OAINQMS reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The OAINQMS reports are: 21293, 22293, 23293, 24293, and 27293.

Fields required for group OAINQMS:

SESRQSTD	QUEUEDC	GOTSESIM	DEFLCTCQ
OVFLMXCQ	OVFLMXAP	DENIEDCQ	ABANDONC

T-2x294 OM group **OAPCALP3**

OAPCALP3 (Open Automated Protocol Call Processing 3) contains a register for each call processing and non-call processing operation and response message defined in the OAP protocol. The purpose of the registers in this OM group is to track usage of the operations and responses. These OM registers are pegged on a per session pool basis for call processing and session pool operations and are pegged on a per node basis for node maintenance operations.

The OAPCALP3 reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The OAPCALP3 reports are: 21294, 22294, 23294, 24294, and 27294.

Fields required for group OAPCALP3:

SESNBEG	TRGEVT	SESNINI	SESNINIS
SESNINE	SPCHPTH	SPCHPTS	SPCHPTE
TXTOPR	TXTOPRS	TXTOPRE	XFRCTRL
XFRCTRS	XFRCTRE		

T-2x295 OM group **OFZ**

OM group OFZ (Office Traffic Summary) provides information for traffic analysis. The OM group OFZ uses a primary route scoring philosophy. This OM group differs from OTS because OFZ counts calls for the intended destination, not the destination where the call terminates.

The OFZ report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The OFZ reports: 21295, 22295, 23295, 24295, and 27295.

Fields required for group OFZ:

NORIG	ORIGTRM	ORIGLKT	ORIGABDN
ORIGTONE	ORIGANN	ORIGOUT	NIN
INOUT	INLKT	INABNM	INABNC
INTONE	INANN	INTRM	OUTNWAT
TRMNWAT	TRMMFL	TRMBLK	LNMBPC

T-2x296 OM group **OFZ2**

OM group OFZ2 is an extension of the OM group OFZ. The OFZ2 report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The OFZ2 reports are 21296, 22296, 23296, 24296 and 25296. Fields required for group OFZ2:

OFZNCIT	OFZNCTC	OFZNCLT	OFZNCBN	OFZNCID
OFZNOSC	OFZNCOT	OFZNCRT	OFZNCIM	OFZNCON
OFZNCOF	PSGM	PDLM		

T-2x300 OM group **ONI**

OM group ONI (Operation Number Identification) provides information about centralized automatic message accounting (CAMA) calls that use ONI. The ONI allows a CAMA operator on the line to receive the calling number. The CAMA operator enters the calling number in the CAMA equipment for billing purposes.

The ONI reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The ONI reports: 21300, 22300, 23300, 24300 and 27300.

Fields required for group ONI:

ONIATT	ONISZRS	ONIOVFL	ONIOCCU
ONICHDLU	ONIQOCC	ONIQOVFL	ONIQABAN
ONIQTOUT	ONIDELGT	ONIFDISC	ONIMTCHC
ONIWRGCA	ONISBU	ONIMBU	

T-2x301 OM group **OTS**

OM group OTS (Office Traffic Summary) counts calls by source and destination. Sources can be trunk, line, or system generated.

The OTS reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The OTS reports: 21301, 22301, 23301, 24301, and 27301.

Fields required for group OTS:

NORG	ORGTRM	ORGOUT	ORGTRMT
ORGABDN	ORGLKT	ORGFSET	NINC
INCTRM	INCOUT	INCTRMT	INCABNM

INCABNC	INCLKT	INCFSET	NSYS
SYSTRM	SYSOUT	SYSTRMT	SYSABDN
SYSLKT	SYSFSET		

T-2x304 OM group **PM**

PM (Peripheral Modules) counts errors, faults, and maintenance state changes for DMS peripheral modules with node numbers. This group performs separate counts for each PM that associates with a DMS switch. The data shows the performance of PMs.

The PM reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The PM reports: 21304, 22304, 23304, 24304, 27304. Fields required for OM group PM:

PMERR	PMFLT	PMMSBU	PMUSBU	PMMMBU	PMUMBU	PMSBP
PMMBP	PMSWXFR	PMMWXFR	PMSCXFR	PMMCSFR	PMCCTDG	PMCCTFL
PMPSERR	PMPSFLT	PMRGERR	PMRGFLT	PMSBTCO	PMMBTCO	PMCCTOP
PMINTEG	PMDFLT	PMDRERR	PMDRMBU	PMDRSBU		

T-2x305 OM group **PM1**

PM1 (Peripheral module single-unit maintenance summary) provides information on the following: errors, faults, and system- and manual-busy use for single-unit peripheral modules (PM without node numbers). This group supplies the data that shows the performance of PM groups.

The PM1 reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The PM1 reports: 21305, 22305, 23305, 24305, 27305. Fields required for OM group PM:

PM1ERR	PM1FLT	PM1NITS	PM1LOAD	PM1MBU
PM1SBU	PM1PSMBU	PM1PSSBU	PM1PSERR	PM1PSFLT

T-2x306 OM group **PM2**

PM2 (Dual-unit peripheral module maintenance summary) provides information on the performance of dual-unit peripheral modules (PM) of type IPML (without node numbers). The PM2 also collects data for the single-unit very small remote (VSR) PMs. T

The PM2 reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The PM2 reports are: 21306, 22306, 23306, 24306, 27306. Fields required for OM group PM2:

PM2ERR	PM2FLT	PM2INITS	PM2LOAD	PM2USBU	PM2UMBU
PM2MSBU	PM2MMBU	PM2CXFR	PM2ECXFR	PM2CCTSB	PM2CCTMB
PMECCTFL	PM2CCTER	PM2MWXFR	PM2SWXFR	PM2MCXFR	PM2SCXFR
PM2MBTCO	PM2BTCO	PM2PSERR	PM2PSFLT	PM2RGER	PM2RGFLT

T-2x417 OM group **PMTYP**

The registers in group PMTYP (Peripheral Module Type) count peripheral module (PM) errors, faults, and state changes for PMs of the same type. For example, PMTYP can count the total errors, faults, and state changes for all line group controllers.

You can exclude the PM modules you commision or that are under test from the totals provided by PMTYP. Enter the node number of these PMs in table PMEXCEPT.

You can use the data supplied by group PMTYP to access the performance of a group of PMs of the same type. The events that affect PM hardware or software and increase the PMTYP registers include

- errors and faults
- changes to system busy or manual busy
- warm or cold control transfers
- the running or failing of circuit tests
- errors or faults detected on the peripheral side (P-side) interface
- ringing generator problems
- calls lost when the PM is system or manual busy
- outside-plant circuit failures
- integrity failures reported by the PM
- errors and faults of a PM drawer
- manual busy or system busy PM drawers
- manual busy or system busy modules
- manual busy or system busy units

The PMTYP reports are: 21417, 22417, 23417, 24417, 27417. The field descriptions required for OM group PMTYP are:

PMTCCTDG	PMTCCTFL	PMTCCTOP	PMTDRERR	PMTDRFLT	PMTDRMBU
PMTDRSBU	PMTERR	PMTFLT	PMTINTEG	PMTMBP	PMTMBTCO
PMTMCXFR	PMTMMBU	PMTMSBU			

T-2x307 OM group PRADCHL2

PRADCHL2 (PRA D-channel layer 2 performance summary) monitors the layer 2 (Q.921) traffic that travels over the primary access (PRA) D channels in the integrated services digital network (ISDN) peripherals (i.e.,ISDN digital trunk controller - DTCI, the line trunk controller - LTC, or the Spectrum Peripheral Module - SPM).

The PRADCHL2 reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The PRADCHL2 reports are: 21307, 22307, 23307, 24307, 27307. Fields required for OM group PRADCHL2:

PRDS0TX	PRDS0RX	PRDRNRTX	PRFLSHED

T-2x308 OM group PRAFAC

PRAFAC (Primary rate access facility) measures message traffic that is generated by network ring again (NRAG) on primary rate access (PRA) D channels. NRAG on PRA uses connectionless signaling on PRA, that is, no call is present.

The PRAFAC reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max

of the Off Business Hour Intervals and what time that ended. The PRAFAC reports are: 21308, 22308, 23308, 24308, 27308. Fields required for OM group PRAFAC:

FACMSGOR	FACMSGTM	FACMSGTR	DISNORTX	DISCNGST	DISRTUNA	REJMSGOR
REJMSGTM	REJMSGTR	REJMSGDS	RENORTX	REJCNGST	REJRTUNA	

T-2x309 OM group **PRP**

PRP (Pre-route Peg) counts call attempts to specific codes. It provides network management statistics that are used for traffic studies. The registers of PRP indicate when code block (CBK) controls should be implemented.

The PRP reports show the usage per interval on the field "PRPCNT" for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The PRP reports are: 21309, 22309, 23309, 24309, 27309. Field required for OM group PRP: PRPCNT

T-2x310 OM group **QMSACT**

OM group QMSACT (Queue Management System Activity) records events that occur in the Queue Management System call and agent manager (QMS CAM) when the QMS CAM interacts with other applications.

There are two sections to the QMSACT report. The summary section (listed first) and the detail section. This report shows the usage per poll interval on all of the fields listed below for the observation period for each selected group. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The QMSACT reports: 21310, 22310, 23310, 24310, and 27310.

Fields required for group QMSACT:

CALLARIV	CALLQD	CALLDEFL	OVLMAX	OVLNOCQE
SPLCLREQ	NOSPLCL	IMEDTAG	GOTSPLCL	IMEDQAG
IMEDPAG	GOTAVAG	AGREQCAN		

T-2x311 OM group **QMSDATA**

OM group QMSDATA records events in the Queue Management System call and agent manager (QMS CAM). The system searches call and agent queues in response to requests from QMS applications.

There are two sections to the QMSDATA report. The summary section (listed first) and the detail section. This report shows the usage per poll interval on all of the fields listed below for the observation period for each selected group. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. QMSDATA reports: 21311, 22311, 23311, 24311, and 27311.

Fields required for group QMSDATA:

CQELHIGH	CTAQATT	CTAQDEPT	CQAQATT	CQAQDEPT
CQAQSRCH	PRAQATT	PRAQDEPT	CQSRCATT	CQSCONS

T-2x312 OM group **RADR**

OM group RADR provides information about receiver attachment delay recorder tests. It generates test call originations to determine the interval between a request and a connection for attachment to a receiver.

The RADR report shows the usage per poll interval on all of the fields listed below for the observation period for each selected group. The % Receiver ATT. Delay > 3 seconds is also shown for each field and interval. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The RADR reports: 21312, 22312, 23312, 24312, and 27312.

Fields required for group RADR:

RADTESTC	RADLDLYP	RADUDLYP

T-2x313 OM group **RCF**

OM group RCF counts remote call forwarded calls to toll offices with centralized automatic message accounting (CAMA) billing systems. RCF also counts remote call forwarded calls to intertoll trunks in local automatic message accounting (LAMA) offices. Two registers count call forward attempts and calls the system fails to forward. The usage register records if remote call forwarded calls are in progress.

The RCF report shows the usage per poll interval on all of the fields listed below for the observation period. This report also calculates % COMP and AVG HT. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The RCF reports: 21313, 22313, 23313, 24313, and 27313.

Fields required for group RCF:

RCFOFFRD	RCFUSAG	RCFDFLD

T-2x314 OM group **RCVR**

OM group RCVR counts successful and failed attempts to obtain receiver circuits in the DMS.

The RCVR report shows the usage per poll interval on all of the fields listed below for the observation period. This report also calculates % OVFL, AVG HT, % REF MF, % Receiver Utilization, and # of Receivers Required. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The RCVR reports: 21314, 22314, 23314, 24314, and 27314.

Fields required for group RCVR:

RCVSZRS	RCVOVFL	RCVQOCC	RCVQOVFL
RCVQABAN	RCVTRU	RCVSBU	RCVMBU

T-2x315 OM group **RLCDIS**

RCLCDIS (Remote line concentrating module intraswitched calls) provides information on traffic for intraswitched calls in a remote line concentrating module (RLCM) or an intraswitch remote line concentrating module (IRLCM). Intraswitching enables an RLCM or IRLCM to switch calls internally when RLCM or IRLCM service the calling and called parties.

The RLCDIS reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The RCLCDIS reports are: 21315, 22315, 23315, 24315, 27315. Fields required for OM group RCLCDIS:

ISTOTATT	ISTOTBLK	ISTOTTRU	ISUN0ATT	ISUN0BLK
ISUN0TRU	ISUN1ATT	ISUN1BLK	ISUN1TRU	

T-2x316 OM group **RSCIR**

OM group RSCIR (Remote Switching Center Inter-Switching Channel Traffic) evaluates traffic loads on inter-switching channels. Inter-switching channels are channels on the DS-1 links that connect two remote switching centers (RSC) located at a remote site.

The RSCIR report shows the usage per poll interval on all of the fields listed below for the observation period. This report also calculates % L/L BLK, % L/T BLK, % T/L BLK and % T/T BLK. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The RSCIR reports: 21316, 22316, 23316, 24316, and 27316.

Fields required for group RSCIR:

RSCIRALL	RSCIRBLL	RSCIRALT	RSCIRBLT	RSCIRATL
RSCIRBTL	RSCIRATT	RSCIRBTT	RSCIRCBU	

T-2x317 OM group **RSCIS**

OM group RSCIS (Remote Switching Center Intra-Switching Traffic) evaluates traffic loads on intra-switching channels in a remote-switching center.

The RSCIS report shows the usage per poll interval on all of the fields listed below for the observation period. This report also calculates % L/L BLK, % L/T BLK, % T/L BLK and % T/T BLK. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The RSCIS reports: 21317, 22317, 23317, 24317, and 27317.

Fields required for group RSCIS:

RSCISALL	RSCISBLL	RSCISALT	RSCISBLT	RSCISATL
RSCISBTL	RSCISATT	RSCISBTT	RSCISCBU	

T-2x7404 OM group **RTLTSUM**

The OM group RTLTSUM (Real-time Tool Line and Trunk Call Attempts Summary) counts origination and termination attempts for each line and trunk type. All DMS offices have the OM group RTFEAT. The group provides one tuple for each line or trunk type. The RTLTSUM reports are: 217404, 227404, 237404, 247404, 277404. The fields required for group RTLTSUM are:

RTOATT	RTOATT2	RTTATT	RTTATT2

T-2x318 OM group **SCA**

SCA (Selective Call Acceptance) monitors the use of the SCA feature. You can obtain this feature alone or as part of the universal access group.

The SCA reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The SCA reports are: 21318, 22318, 23318, 24318, 27318. Fields required for group SCA:

SCAEATT	SCAEDEN	SCAEOVF	SCAACT	SCADACT	SCAEUSG
SCASAT	SCASAT2	SCASDEN	SCASBLK	SCASRUT	SCASRUT2
SCASTRM	SCAUNIV	SCADENY	SCAAUNV	SCADUNV	

T-2x319 OM group **SCF**

SCF (Selective Call Forwarding) monitors the use of the SCF feature. This feature can be obtained alone or as part of the universal access group of features.

The SCF reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The SCF reports are: 21319, 22319, 23319, 24319, 27319. Fields required for group SCF:

SCFEATT	SCFEOVF	SCFEDEN	SCFEUSG	SCFACT	SCFDACT	SCFFWD
SCFFWD2	SCFSAT	SCFSAT2	SCFFAIL	SCFOVFL	SCFSOVFL	SCFSDEN
SCFSBLK	SCFUNIV	SCFDENY	SCFAUNV	SCFDUNV		

T-2x418 OM group **SCPOTS**

The OM group SCPOTS (Speed Calling in the POTS environment) counts attempts and failures to use the speed calling feature. The subscriber can program speed call numbers through the telephone, or through entries in table SCALLTAB. The OM group SCPOTS provides information on programming that the subscriber performs.

The system uses SCPOTS to determine how often the subscriber uses Speed Calling and if hardware and software resources are correctly provisioned. The SCPOTS reports are: 21418, 22418, 23418, 24418, 27418. The field descriptions required for OM group SCPOTS are:

SCPAATT	SCPADENY	SCPAOVFL	SCPFATT	SCPFDENY

T-2x320 OM group **SCRJ**

SCRJ (Selective Call Rejection) provides information on the SCRJ feature. This feature can be obtained alone or as part of the universal access group of features.

The SCRJ reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The SCRJ reports are: 21320, 22320, 23320, 24320, 27320. Fields required for group SCRJ:

SCRJEATT	SCRJEDEN	SCRJEOVF	SCRJACT	SCRJDACT
SCRJEUSG	SCRJSAT	SCRJSAT2	SCRJSDEN	SCRJSBLK
SCRJSRJT	SCRJUNIV	SCRJDENY	SCRJAUNV	SCRJDUNV

T-2x321 OM group **SITE for RLM**

OM group SITE for RLM provides information on traffic-related counts and dial-tone speed recording (DTSR) for remote sites. The operating company uses DTSR to measure the ability of the switch to retain data.

The SITE for RLM report shows the usage per poll interval on all of the fields listed below for the observation period. This report also calculates the % intrasit, % dp_delay and % dt_delay. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The SITE for RLM reports: 21321, 22321, 23321, 23214, and 27321.

Fields required for group SITE for RLM:

INTRASIT	INTERSIT	RORIGOUT	INRTERM	DPTESTC
DPDELAY	DTTESTC	DTDELAY		

T-2x322 OM group **SITE for RPM**

OM group SITE for RPM provides information on traffic-related counts and dial-tone speed recording (DTSR) for sites using remote peripheral modules (RPM).

The SITE for RPM report shows the usage per poll interval on all of the fields listed below for the observation period. This report also calculates the % INTRASIT, % LM_DP_DEL, % LM_DT_DEL, % LCM_DP_DE, % LCM_DT_DE, % LCM_KS_DE, % RCT_DP_DE, % RCT_DT_DE and % DLMKS_DEL. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The SITE for RPM reports: 21322, 22322, 23322, 24322, and 27322.

Fields required for group SITE for RPM:

INTRASIT	INTERSIT	RORIGOUT	INRTERM	LMDP_T
LMDP_D	LMDT_T	LMDT_D	LCMDP_T	LCMDP_D
LCMDT_T	LCMDT_D	LCMKS_T	LCMKS_D	RCTDP_T
RCTDP_D	RCTDT_T	RCTDT_D	DLMKS_T	DLMKS_D

T-2x323 OM group **SITE2**

SITE2 (Traffic and tone speed recording, remote site 2) provides information on traffic-related counts and dial-tone speed recording (DTSR) for offices with lines connected to the following types of sites: remote concentrator SLC-96 (RCS), and remote carrier urban (RCU), remote digital terminal (RDT).

The SITE2 reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The SITE2 reports are: 21323, 22323, 23323, 24323, 27323. Fields required for OM group SITE2:

RCSDP_T	RCSDP_T2	RCSDP_D	RCSDP_D2	RCSDT_T	RCSDT_T2	RCSDT_D	RCSDT_D2
RCUDP_T	RCUDP_T2	RCUDP_D	RCUDP_D2	RCUDT_T	RUCDT_T2	RCUDT_D	RCUDT_D2
RDTDP_T	RDTDP_T2	RDTDP_D	RDTDP_D2	RDTDT_T	RDTDT_T2	RDTDT_D	RDTDT_D2
RDTKS_T	RDTKS_T2	RDTKS_D	RDTKS_D2	RCUKS_T	RCUKS_T2	RCUKS_D	RCUKS_D2

T-2x324 OM group **SLLNK**

SLLNK (SL-100 link) provides information about the status of the outgoing datalink and the number of messages it can handle.

The SLLNK reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The SLLNK reports are: 21324, 22324, 23324, 24324, 27324. Fields required for OM group SLLNK:

SLLNKOVF	SLLNKOK	SLLNKQU

T-2x370 OM group **SLLNKINC**

SLLNKINC (SL-100 incoming link) provides information on the status of the incoming data link and the number of messages it can handle.

The SLLNKINC reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The SLLNKINC reports are: 21370, 22370, 23370, 24370, 27370. Fields required for OM group SLLNKINC:

SLLNKIOV	SLLNKIOK	SLLNKIQU	SLLNKBAD	SLLNKIOF

T-2x325 OM group **SOTS**

OM group SOTS (Supplementary office traffic summary) counts calls the system routes to generalized no-circuit treatment (GNCT). These registers provide information on outgoing and terminating network performance.

The SOTS report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The SOTS reports: 21325, 22325, 23325, 24325, and 27325.

Fields required for group SOTS:

SOTSNCBN	SOTSNCID	SOTSNCIM	SOTSNCIT	SOTSNCLT
SOTSNCOF	SOTSNCON	SOTSNCOT	SOTSNCRT	SOTSNCTC
SOTSNOSC	SOTSPDLM	SOTSPSGM	SOUTNWT	SOUTMFL
SOUTRMFL	SOUTOSF	SOUTROSF	STRMNWT	STRMMFL
STRMBLK	STRMRBLK	STRMGSGL		

T-2x326 OM group **STN**

OM group STN (Special Tones) provides information about special tones broadcast from trunk cards in the maintenance trunk modules.

The STN report shows the usage per poll interval on all of the fields listed below for the observation period. This report also calculates the % Overflow. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The STN reports: 21326, 22326, 23326, 24326, and 27326.

Fields required for group STN:

STNATTS	STNMTCHF	STNOVFL	STNMBU	STNSBU	STNTRU

T-2x371 OM group **SVCT**

SVCT (Service Circuits) provides information on service circuits.

The SVCT reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The SVCT reports are: 21371, 22371, 23371, 24371, 27371. Fields required for group SVCT:

SVCSZRS	SVCSZ2	SVCOVFL	SVCQOCC	SVCQOVFL
SVCQABAN	SVCTRU	SVCTRU2	SVCSBU	SVCMBU

T-2x327 OM group **TCAPUSAG**

OM group TCAPUSAG (Transaction Capabilities Application Part Usage Measurements) records the use of transaction capabilities application part (TCAP) for each subsystem. Examples of transaction capabilities: messages, transaction and components.

The TCAPUSAG report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The TCAPUSAG reports: 21327, 22327, 23327, 24327, and 27327.

Fields required for group TCAPUSAG:

TCMSGOUT	TCMSGIN	TCUNIDIR	TCQWPERM
TCQNPERM	TCCWPERM	TCCNPERM	TCRESPNS
TCINVKL	TCINVKNL	TCRSLTL	TCRSLTNL
TCRTERR	TCREJECT	TCABORT	TCDPUSE

T-2x328 OM group **TFCANA**

OM group TFCANA (traffic separation/traffic analysis) provides information on call attempts, call setup time, and call connect time. The information occurs at source-traffic-separation and destination-traffic-separation intersections.

The TFCANA report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. This report also calculates the ORIG USG (TFANSU-TFANCU), TERM USG (TFANCU), ORIG usage (usage in the selected unit), TERM usage (usage in the selected unit), TOTAL usage (ORIG usage + TERM usage), ORIG AVG HT, TERM AVG HG and TOTAL AVG HT. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The TFCANA reports: 21328, 22328, 23328, 24328, and 27328.

Fields required for group TFCANA:

TFANPEG	TFANSU	TFANCU

T-2x360 OM group **TLDNPOM**

TLDNPOM (Temporary Local Directory Number Pools OMs) allows the cellular carrier to ensure that call delivery attempts are rarely blocked by engineering each temporary local directory number (TLDN) pool with the proper number of TLDNs.

The TLDNPOM reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The TLDNPOM reports: 21360, 22360, 23360, 24360, and 27360. Fields required for group TLDNPOM:

TLDNMAX	TLDNATTS	TLDNCOMP	TLDNTMO	TLDNOVFL

T-2x363 OM group TM

TM (trunk modules) counts errors, faults, and maintenance state transitions for trunk modules, maintenance trunk modules, and remote service modules.

The TM reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The TM reports: 21363, 22363, 23363, 24363, and 27363. Fields required for group TM:

TMERR	TMFLT	TMSBU	TMMBU
TMCCTDG	TMCCTFL	TMMBP	TMSBP
TMMBTCO	TMSBTCO	TMCCTOP	

T-2x329 OM group TONE

OM group TONE provides information on traffic for tone generators. The OM group TONE contains two peg registers, TONEATT and TONEOVFL.

The TONE report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. The TONE OVFL % is also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The TONE reports: 21329, 22329, 23329, 24329, and 27329.

Fields required for group TONE:

TONEATT	TONEOVFL

T-2x330 OM group TOPSDACC

OM group TOPSDACC (Traffic Operator Position System Directory Assistance Call Completion) counts call completions that are handled by an operator and by Automatic Directory Assistance Call Completion (ADACC). ADACC allows a subscriber making directory assistance (DA) call to be connected to the requested number without originating a new call. The subscriber can be connected to the requested number manually by an operator, or automatically by an audio response unit (ARU).

There are 2 sections to the TOPSDACC report, the summary section and the detail section. The summary section shows the totals for sections of poll intervals. The detail section shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The TOPSDACC reports: 21330, 22330, 23330, 24330, and 27330.

Fields required for group TOPSDACC:

OHACCPT	AREQST	ADENY	AOFFER	AACCPT	NOANNCC	NOANNFL

T-2x331 OM group **TOPSQMS**

OM group TOPSQMS (TOPS queue management system) records queuing events for TOPS calls that request an operator position from the queue management system (QMS) call and agent manager (CAM). TOPSQMS also records the action taken by the QMS CAM, in response to these requests. The queuing events are counted for each call queue.

There are 2 sections to the TOPSQMS report, the summary section and the detail section. The summary section shows the totals for sections of poll intervals. The detail section shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. The % ABANDON is also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The TOPSQMS reports: 21331, 22331, 23331, 24331, and 27331.

Fields required for group TOPSQMS:

POSRQSTD	CQUEUED	GOTPOSIM
CDEFLECT	COVFLMAX	COVFLNCQ
CQDENIED	CABANDON	CREQUEUE

T-2x332 OM group **TRA125M1**

TRA125M1 (Traffic Route Analysis 125 measurements 1) provides information about line use, and counts originations and terminations on selected subscriber lines or groups of lines. The TRA125M1 reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The TRA125M1 reports are: 21332, 22332, 23332, 24332, 27332. Fields required for group TRA125M1:

TBU2	ORIG2	TERM2	BUSY2

T-2x333 OM group **TRA125M2**

TRA125M2 (Traffic Route Analysis 125 measurements 2) provides information about line use and counts originations and terminations on selected or groups of subscriber lines. The TRA125M2 reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The TRA125M2 reports are: 21333, 22333, 23333, 24333, 27333. Fields required for group TRA125M2:

TBU3	ORIG3	TERM3	BUSY3

T-2x334 OM group **TRA250M1**

TRA250M1 (Traffic Route Analysis 250 measurements 1) provides information about line use and count originations and terminations on selected subscriber lines or groups of lines. The TRA250M1 reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The TRA250M1 reports are: TRA250M1: 21334, 22334, 23334, 24334, 27334. Fields required for group TRA250M1:

TBU1	ORIG1	TERM1	BUSY1

T-2x361 OM group TRA640M1

TRA640M1 (Traffic Route Analysis 640 measurements 1) provides information about line use and count originations and terminations on selected subscriber lines or groups of lines. The TRA640M1 reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The TRA640M1 reports are: 21361, 22361, 23361, 24361, 27361. Fields required for group TRA640M1:

TBU0	ORIG0	TERM0	BUSY0

T-2x335 OM group TRK

OM group TRK (Trunk Group) provides information on trunk traffic for each trunk group.

The TRK report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. The % ORIG COMP, % TERM COMP, % OVFL, % CAPACITY and IN/TOT COMP is also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The TRK reports: 21335, 22335, 23335, 24335, and 27335.

Fields required for group TRK:

INCATOT	PRERTEAB	INFAIL	NATTMPT
NOVFLATB	GLARE	OUTFAIL	DEFLDCA
DREU	PREU	TRU	SBU
MBU	OUTMTCHF	CONNECT	TANDEM
AOF	ANF	TOTU	ANSWER
INVAUTH	BLKCTRK	MAXBU	TRU2WIN
NCTPASS	NCTFAIL	ACCCONG	NOANSWER
INANSWER	OUTANSU	INANSU	ANSU
NANS	CONGEST		

T-2x336 OM group TRMTCM

OM group TRMTCM (Customer Miscellaneous Treatment) counts calls that the system routes to a treatment. The treatment is a result of a customer action, but does not relate to authorization.

The TRMTCM report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The TRMTCM reports: 21336, 22336, 23336, 24336, and 27336.

Fields required for group TRMTCM:

TCMUNDT	TCMPDIL	TCMPSIG	TCMVACT	TCMUNDN
TCMBLDN	TCMOPRT	TCMTRBL	TCMANCT	TCMDISC
TCMATBS	TCMTDBR	TCMVACS	TCMANTO	TCMCFWV
TCMVCCT	TCMATDT	TCMCBTN	TCMCHAN	TCMCHAF
TCMOSVR	TCMNC8F	TCMNTRS	TCMNCREJ	TCMUPAB
TCMCNAD	TCMVPFX	TCMN9DF	TCMN9OB	TCMN9NS

T-2x337 OM group TRMTCU

OM group TRMTCU (Customer Unauthorized Treatment) counts calls that the system routes to a treatment. The treatment notifies the subscriber that the action of the subscriber is not correct for reasons of authorization. These treatments normally indicate that the subscriber dials a sequence of digits that is not correct or follows a procedure that is not correct.

The TRMTCU report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The TRMTCU reports: 21337, 22337, 23337, 24337, and 27337.

Fields required for group TRMTCU:

TCUINAC	TCUCNDT	TCUMSCA	TCUMSLC
TCUUNCA	TCUHNPI	TCUUNOW	TCUTDND
TCUUNIN	TCUORSS	TCUTESS	TCUDNTR
TCUNOCN	TCUINAU	TCUTINV	TCUCNOT
TCUDCFC	TCUDODT	TCURSDT	TCUFNAL
TCUUMOB	TCUANIA	TCUNACK	TCUCACE
TCUD950	TCUN950	TCUILRS	TCUNACD
TCUDACD	TCUADBF	TCUFDNZ	

T-2x338 OM group TRMTCU2

OM group TRMTCU2 (Customer Not Authorized Treatment Extension) is an extension of group TRMTCU. The OM group TRMTCU2 counts calls that the system routes to a treatment. The treatment notifies the subscriber that an action is not correct for reasons of authorization.

The TRMTCU2 report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The TRMTCU2 reports: 21338, 22338, 23338, 24338, and 27338.

Fields required for group TRMTCU2:

TCUCCNV	TCUCCNA	TCULCAB	TCUINCC
TCUANBB	TCUIVCC	TCUSCUN	TCUINPD
TCUNPAR	TCUIDPB	TCUCNAC	TCUN00B
TCUCOSX	TCUCACB	TCUBBFS	TCUCCIR
TCUUCCN	TCUCCCF	TCULCNV	TCUCGFL
TCUVPFL	TCUPTFL	TCUBCNI	TCUJACK
TCUITCF	TCUAARD	TCUGFNV	TCUEROR
TCUERTR	TCUERTO	TCUESNIF	TCUITDN

T-2x339 OM group TRMTER

OM group TRMTER (Equipment-related Treatment Group) counts calls that the system routes to a treatment. The system routes the calls to a treatment because of a failure caused by a switching equipment failure.

The TRMTER report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The TRMTER reports: 21339, 22339, 23339, 24339, and 27339.

Fields required for group TRMTER:

TERSYFL	TERSSTO	TERRODR	TERPNOH
TERPTOF	TERNMZN	TERERDS	TERSTOB
TERSTOC	TERINOC	TERAIFL	TERFDER
TERCONP	TERSCFL	TERNONT	TERNCUN
TERANFL	TERMTOC	TERINBT	TERC7AP
TERDTFL	TERPERR	TERINVM	TERSONI
TERQ33A	TERQ33B		

T-2x340 OM group **TRMTFR**

OM group TRMTFR (Feature-Related Treatment) counts calls that the system routes to a treatment that is a normal progression of a call.

The TRMTFR report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The TRMTFR reports: 21340, 22340, 23340, 24340, and 27340.

Fields required for group TRMTFR:

TFRBUSY	TRFMANL	TRFORMC	TFRCONF
TFRRRPA	TFRORAF	TFRTRRF	TFRORAC
TFRORMF	TFRSRRR	TFRPRSC	TFRMHLD
TFRPGTO	TFRCCTO	TFRNINT	TFRNCIX
TFRNCII	TFRNCTF	TFRCFOV	TFRILRR
TFRSINT	TFRIWUC	TFRFRDR	TFRSORE
TFRCCAP	TFRACPR	TFRADPA	TFRCCDT
TFRCBDN	TFRSCRJ	TFRICNF	

T-2x341 OM group **TRMTRS**

OM group TRMTRS (Resource Shortage Treatment) counts calls the system routes to a treatment because a shortage of software or hardware resources causes a failure.

The TRMTRS report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The TRMTRS reports: 21341, 22341, 23341, 24341, and 27341.

Fields required for group TRMTRS:

TRSNOSC	TRSNBLH	TRSNBLN	TRSCQOV	TRSNCRT
TRSNECG	TRSFECG	TRSTOVD	TRSSORD	TRSGNCT
TRSNOSR	TRSCGRO	TRSCHNF	TRSOTAR	TRSPALA
TRSONCT				

T-2x342 OM group **TS**

OM group TS (Time Switch) records the use of the peripheral-side (P-side) time switches. Eight usage registers for each network module record the use of a separate time switch within the network module. New network modules have data in fields TS0 through TS3. Registers TS4 through TS7 apply to offices equipped with NT0X48 networks.

The TS report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The TS reports: 21342, 22342, 23342, 24342, and 27342.

Fields required for group TS:

TS0	TS1	TS2	TS3
TS4	TS5	TS6	TS7

T-2x419 OM group **TWCPOTS**

The OM group TWCPOTS (Three-Way Calling in the POTS environment) contains four registers that count both attempts and failures to initiate a three-way call.

The OM group TWCPOTS determines how often the system uses Three-way Calling feature. The OM group TWCPOTS determines if the system correctly supplies hardware and software resources. The TWCPOTS reports are: 21419, 22419, 23419, 24419, 27419. The field descriptions required for OM group TWCPOTS are:

TWCPABDN	TWCPATT	TWCPDENY	TWCPOVFL

T-2x343 OM group **UCDGRP**

OM group UCDGRP (Uniform Call Distribution) registers provide information on the use of the integrated business network (BN) feature Uniform Call Distribution (UCD). The OM group UCD permits calls in IBN systems to distribute evenly to a number of specified 500/2500 stations acting as UCD agents.

The UCDGRP report shows the usage per poll interval on all of the fields listed below for the observation period. The % ANSWERED, % ABANDON, and % DEFLECTED is also calculated. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The UCDGRP reports: 21343, 22343, 23343, 24343, and 27343.

Fields required for group UCDGRP:

UCDOFFR	UCDANSR	UCDDFLCT	UCDABNDN
UCDNS	UCDPRMPT	UCDBLOCK	UCDUSAGE

T-2x344 OM group **UTR**

OM group UTR (Universal Tone Receiver) counts and records call-processing requests from lines and trunks to UTRs. The registers of this OM group also record the activities in request-wait queues.

The UTR report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The % OVFL and %

ABANDON is also calculated. The UTR reports: 21344, 22344, 23344, 24344, and 27344.

Fields required for group UTR:

UTRSZRS	UTROVFL	UTRQOCC	UTRQOVFL	UTRQABAN
UTRTRU	UTRSAMPL	UTRRADA	UTRLDLYP	UTRUDLYP

T-2x346 OM group VFGUSAGE

VFGUSAGE (Virtual facility group usage) provides information on the use of virtual facility groups.

The VFGUSAGE reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The VFGUSAGE reports are: 21346, 22346, 23346, 24346, 27346. Fields required for group VFGUSAGE:

VFGTOTAL	VFGBLCKD	VFGLSCBL	VFGTRU

T-2x347 OM group VSNCOM

OM group VSNCOM (Voice Services Node) measures call attempts and dispositions for voice services node (VSN)-related calls on an application base.

The VSNCOM report shows the usage per poll interval on all of the fields listed below for the observation period. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The VSNCOM reports: 21347, 22347, 23347, 24347, and 27347.

Fields required for group VSNCOM:

VSNATT	VSNIDFL	VSNNOVL	VSNIVFL	VSNOPRF
VSNOPRB	VSNVABN	VSNVABA	VSNDABT	VSNVABT

T-2x348 OM group XASTAT

XASTAT measures CPU usage and call processing on an XA-Core. It is also used to provision an XA-Core.

The XASTAT reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The XASTAT reports are: 21348, 22348, 23348, 24348, 27348. Fields required for group XASTAT:

XASUTIL	XASPUTIL	XASCMPLX	XASSCHED	XASFORE	XASMAINT
XASDNC	XASOM	XASGTERM	XASBKG	XASAUXCP	XASNETM
XASSNIP	XASPESC	XASNXFR	XASOVER	XASOTHLD	

T-2x349 OM group XPMLINK

OM group PMLNK (Voice Services Node) records one-way and two-way link blockage and use for all extended multiprocessor system (XMS)-based peripheral modules (XPM) with switched lines.

The XPMLNK reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval

ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The XPMLNK reports are: 21349, 22349, 23349, 24349, and 27349.

Fields required for group XPMLNK:

CSLCBU	PSLCBU	CSLAA	PSLAA
CSLBLK	PSLBLK	CSLMU	PSLMU

DMS OM's
Busy Hour

T-24005	Daily ACD Busy Hour Report
T-24006	Daily ACD Totals Report
T-24007	Yearly ACD Busy Hour Report
T-24008	Yearly ACD Totals Report
T-24010	Daily ANN Busy Hour Report
T-24011	Daily ANN Totals Report
T-24012	Yearly ANN Busy Hour Report
T-24013	Yearly ANN Totals Report
T-24020	Hourly DS-1 for RLCM(s)/OPM Report
T-24021	Daily DS-1 Busy Hour for RLCM(s)/OPM Report
T-24022	Monthly DS-1 Busy Hour for RLCM(s)/OPM Report
T-24023	Yearly DS-1 Busy Hour for RLCM(s)/OPM Report
T-24024	Hourly DS-1 for RSC Report
T-24025	Daily DS-1 Busy Hour for RSC Report
T-24026	Monthly DS-1 Busy Hour for RSC Report
T-24027	Yearly DS-1 Busy Hour for RSC Report
T-24028	Hourly DS-1 for Dual RSC Report
T-24029	Daily DS-1 Busy Hour for Dual RSC Report
T-24030	Monthly DS-1 Busy Hour for Dual RSC Report
T-24031	Yearly DS-1 Busy Hour for RSC Report
T-24040	DTD/Intra Calling Report
T-24041	Daily Busy Hour DTD/Intra Calling Report
T-24060	Daily Busy Hour %ISDD Delay Report
T-28070	Daily Busy Hour %ITRK Completion Report
T-24085	Daily LIU7(s) Busy Hour Report
T-24090	Half Hour MAXBU Busy Capacity Report

T-24091	Daily Half Hour MAXBU Busy Capacity Report
T-24092	Monthly Half Hour MAXBU Busy Capacity Report
T-24093	Monthly Half Hour MAXBU Busy Capacity Report
T-24100	Monthly LMD Daily OML/TML Switching Busy Hour Report
T-24101	Daily-Monthly LMD Busy Hour Report
T-24103	Weekly LMD-Site DMS Busy Hour Report
T-24104	Weekly LMD DMS Busy Hour Report
T-24110	LMD Daily OML/TML Switching Busy Hour Report
T-24111	LMD OML/TML Switching Busy Hour Report
T-24112	LMD Daily OML/TML Switching Report
T-24130	Daily Busy Hour % Network Capacity Report
T-24135	Daily Busy Hour Trunks Required w/In and Out Fails Report
T-24146	Daily RCVR Busy Hour Report
T-24147	Daily RCVR Totals Report
T-24148	Yearly RCVR Busy Hour Report
T-24149	Yearly RCVR Totals Report
T-24150	RSCIS Daily Busy Hour % of Channels in Use Report
T-24200	Daily UCD Busy Hour Report
T-24201	Daily UCD Totals Report
T-24202	Yearly UCD Busy Hour Report
T-24203	Yearly UCD Totals Report
T-24204	Daily UTR Busy Hour Report
T-24205	Daily UTR Totals Report
T-24206	Yearly UTR Busy Hour Report
T-24207	Yearly UTR Totals Report

DMS OM's
Misc

T-29070	Daily % TRK Completion Report

Customer

T-2605 Hourly Data Report (CCS)
This report displays the CCS per hour for any of the groups selected. This report will display the usage in CCS. Please set the CTS Reports to view the usage as CCS to run this report. (View ->View Usage as -> CCS).

Also, the subscriber number needs to be entered in the CTS Setup on the Groups tab.

This report displays for each group selected: each hourly interval, the incoming/outgoing and total calls per interval, the incoming/outgoing and total usage, the average holding time, the minutes of use, the Busies (overflow), the busies percentage (overflow divided by overflow plus peg) the lines working and required and the blocking probability table code. The Hourly Data report also shows the total usage all of the fields listed below for the observation period (except the lines working/required and table codes, as those aren't true quantities).

It also displays the maximum usage per day for the following areas: the max usage and the interval, and the max of the Off Business Hour Intervals and what time that ended. The percent of daily traffic that is the max usage is also shown.

T-2606 Hourly Data Report (minutes)
This report displays the usage per hour for any of the groups selected. This report will display the usage in minutes. To run this report the subscriber number needs to be entered in the CTS Setup on the Groups tab.

This report displays for each group selected: each hourly interval, the incoming/outgoing and total calls per interval, the incoming/outgoing and total minutes, the average holding time, the minutes of use, the Busies (overflow), the busies percentage (overflow divided by overflow plus peg) the lines working and required and the blocking probability table code. The Hourly Data report also shows the total usage all of the fields listed below for the observation period (except the lines working/required and table codes, as those aren't true quantities).

It also displays the maximum usage per day for the following areas: the max usage and the interval, and the max of the Off Business Hour Intervals and what time that ended. The percent of daily traffic that is the max usage is also shown.

T-2607 Hourly Customer Incoming Calls Data Report

T-2610 Summary Report
Displays the calls and minutes of use for the date range and groups selected. The total calls and minutes of use for everyday per interval are also shown. At the bottom of every group, the totals for each day are calculated.

It also displays: the busy hour calls/minutes, the busy hour interval, the percentage of the daily traffic that the busy hour is, the average holding time, the avg. calls/hour, the avg. calls/day, the avg. total hours/day, the avg. minutes/day, the avg. hours of usage, the avg. minutes/hour, the lines working, the lines required for avg. traffic, the blocking probability used, the lines required for the highest busy hour traffic, and the avg. number of busies per day.

T-2615 Summary Report with Busies
Displays the calls, minutes of use, busies (overflow) and % busies (overflow divided by overflow plus peg) for the date range and groups selected. The total calls, minutes of

use, busies and % busies for everyday per interval is also shown. At the bottom of every group, the totals for each day are calculated.

It also displays: the max usage, the interval of the max usage, the percent of daily traffic that the max usage is, the lines working, the lines required, and the blocking probability used.

T-2616 Detailed Business Hour Report

Displays the calls, minutes of use, and busies (overflow) for the date range and groups selected. The following per interval are also shown: the observation period average minutes of use, the lines working and required, and the blocking probability used.

At the bottom of the group information, the following are calculated for the calls, minutes of use, and the busies: the 24 hour totals, the daily busy hour usage, the interval the busy hour was, the percent of daily traffic that the busy hour was, the business hour totals, the business hours busy hour usage, the interval that the business hour's busy hour was, and the percent of traffic that the business hour's busy hour took up.

T-2620 Daily Summary Report

Displays the busy hour calls/minutes of use/busies for every group during the observation period selected. There is a synopsis at the bottom of the report that displays every group's business hours total minutes of use, total minutes of use, high busy hour minutes of use, average busy hour minutes of use, the average busy hour calls, the lines working and required, and the blocking probability table used.

T-2625 Bouncing Busy Hour Report

Displays the subscriber number, busy hour calls and minutes of use for every group during the observation period selected. The report also shows a 5 day total for every group during the observation period that includes the following information for each group: the business hours total minutes of use, the total minutes of use, the high busy hour minutes of use, the average busy hour minutes of use, the average busy hour calls, the trunks equipped/working, the lines required, and the trunks over/under.

QMS

QFADS

T-5100 QFADS Quarter Hour Detailed Report

This report displays QMS team, queue, service and class summaries for every 15-minute interval.

The QMS Teams section displays the following fields: IPS, RPS, TPS, TOTAL, CBWV, NCWV, IDLT, AWT, AOP (Average Occupied Position), %OCC, REQ POS and ASA.

The QMS Queues section displays the following fields: IPS, RPS, TPS, TOTAL CBWV, AWT, CW and ASA.

The QMS Services section displays the following fields: SI, SWV and SAWT.

The QMS Classes section displays the following fields: IPS, RPS, TPS, TOTAL CBWV and AWT.

T-5200 QFADS Half Hour Detailed Report

This report displays QMS team, queue, service and class summaries for every 30-minute interval.

The QMS Teams section displays the following fields: IPS, RPS, TPS, TOTAL, CBWV, NCWV, IDLT, AWT, AOP, %OCC, REQ POS and ASA.

The QMS Queues section displays the following fields: IPS, RPS, TPS, TOTAL CBWV, AWT, CW and ASA.

The QMS Services section displays the following fields: SI, SWV and SAWT.

The QMS Classes section displays the following fields: IPS, RPS, TPS, TOTAL CBWV and AWT.

T-5300 QFADS Hourly Detailed Report

This report displays QMS team, queue, service and class summaries in hour intervals.

The QMS Teams section displays the following fields: IPS, RPS, TPS, TOTAL, CBWV, NCWV, IDLT, AWT, AOP, %OCC, REQ POS and ASA.

The QMS Queues section displays the following fields: IPS, RPS, TPS, TOTAL CBWV, AWT, CW and ASA.

The QMS Services section displays the following fields: SI, SWV and SAWT.

The QMS Classes section displays the following fields: IPS, RPS, TPS, TOTAL CBWV and AWT.

T-5400 QFADS Daily Detailed Report

This report displays QMS team, queue, service and class summaries in daily intervals.

The QMS Teams section displays the following fields: IPS, RPS, TPS, TOTAL, CBWV, NCWV, IDLT, AWT, AOP, %OCC, REQ POS and ASA.

The QMS Queues section displays the following fields: IPS, RPS, TPS, TOTAL CBWV, AWT, CW and ASA.

The QMS Services section displays the following fields: SI, SWV and SAWT.

The QMS Classes section displays the following fields: IPS, RPS, TPS, TOTAL CBWV and AWT.

T-5700 QFADS Summary Detailed Report
This report displays QMS team, queue, service and class summaries with a summary of the daily intervals in the observation period.

The QMS Teams section displays the following fields: IPS, RPS, TPS, TOTAL, CBWV, NCWV, IDLT, AWT, AOP, %OCC, REQ POS and ANS.

The QMS Queues section displays the following fields: IPS, RPS, TPS, TOTAL CBWV, AWT, CW and ANS.

The QMS Services section displays the following fields: SI, SWV and SAWT.

The QMS Classes section displays the following fields: IPS, RPS, TPS, TOTAL CBWV and AWT.

QTADS

T-5110 QTADS Quarter Hour Detailed Report
This report displays QMS team, queue, service and class summaries in 15-minute intervals.

The QMS Teams section displays the following fields: IPS, RPS, TPS, TOTAL, CBWV, NCWV, IDLT, AWT, AOP, %OCC, REQ POS and ASA.

The QMS Queues section displays the following fields: IPS, RPS, TPS, TOTAL CBWV, AWT, CW and ASA.

The QMS Services section displays the following fields: SI, SWV and SAWT.

The QMS Classes section displays the following fields: IPS, RPS, TPS, TOTAL CBWV and AWT.

T-5210 QTADS Half Hour Detailed Report
This report displays QMS team, queue, service and class summaries in 30-minute intervals.

The QMS Teams section displays the following fields: IPS, RPS, TPS, TOTAL, CBWV, NCWV, IDLT, AWT, AOP, %OCC, REQ POS and ASA.

The QMS Queues section displays the following fields: IPS, RPS, TPS, TOTAL CBWV, AWT, CW and ASA.

The QMS Services section displays the following fields: SI, SWV and SAWT.

T-5310 QTADS Hourly Detailed Report
This report displays QMS team, queue, service and class summaries in hourly intervals.

The QMS Teams section displays the following fields: IPS, RPS, TPS, TOTAL, CBWV, NCWV, IDLT, AWT, AOP, %OCC, REQ POS and ASA.

The QMS Queues section displays the following fields: IPS, RPS, TPS, TOTAL CBWV, AWT, CW and ASA.

The QMS Services section displays the following fields: SI, SWV and SAWT.

T-5410 QTADS Daily Detailed Report
This report displays QMS team, queue, service and class summaries in daily intervals.

The QMS Teams section displays the following fields: IPS, RPS, TPS, TOTAL, CBWV, NCWV, IDLT, AWT, AOP, %OCC, REQ POS and ASA.

The QMS Queues section displays the following fields: IPS, RPS, TPS, TOTAL CBWV, AWT, CW and ASA.

The QMS Services section displays the following fields: SI, SWV and SAWT.

T-5710 QTADS Summary Detailed Report
This report displays QMS team, queue, service and class summaries by calculating a summary of the daily intervals in the observation period.

The QMS Teams section displays the following fields: IPS, RPS, TPS, TOTAL, CBWV, NCWV, IDLT, AWT, AOP, %OCC, REQ POS and ASA.

The QMS Queues section displays the following fields: IPS, RPS, TPS, TOTAL CBWV, AWT, CW and ASA.

The QMS Services section displays the following fields: SI, SWV and SAWT.

Force Management Reports

T-5430 Force Management Summary Report
This report displays the time interval period, the required positions and the AOP (Averaged Occupied Position) for each interval for the observation period.

Detail

T-5123 Team System Quarter Hour Report
This report has 2 sections: a 6-hour summary section and a more detailed section for each interval.

The Summary section appears first and a section for each day for the whole observation period exists below that. The Summary Page displays the following information: the time interval, IPS, RPS, TPS, TOTAL, CBWV, NCWV, IDLT, AWT, AOP, %OCC and ASA.

The daily detail sections contain the same information as the summary section, but divided up for each interval.

At the bottom there are system totals for every column. For the usage related columns, the max usage is displayed along with the interval of the max usage and the % of traffic that the max usage accounted for.

T-5124 Quarter Hour Answer Time Exception Report
This report allows you to display queues for each 15-minute period that had calls answered over a selected time limit. Each interval that had exceptions is displayed by itself on a page. There are totals at the bottom of each section for every column.

Summary information is displayed at the end of the report. Also, there is a listing at the end of the report of the days and intervals containing exceptional answer times.

The fields included in the report: time and date interval, Queue, CW, IPS, PRS, TPS, TOTAL, ASA, Amt. ASA Over the selected time and % of Calls Over the selected time.

T-5223 Team System Half Hour Report

This report has 2 sections: a 6-hour summary section and a more detailed section.

The Summary section appears first and a section for each day for the whole observation period exists below that. The Summary Page displays the following information: the time interval, IPS, RPS, TPS, TOTAL, CBWV, NCWV, IDLT, AWT, AOP, %OCC and ASA. Totals are displayed at the bottom for every column.

The detail section contains the same information as the summary section, but is divided for each interval. Totals are also displayed at the bottom for every column.

At the end of the report, there are system totals for every column. For the usage related columns, the max usage is displayed along with the interval of the max usage and the % of traffic that the max usage accounted for.

T-5224 Half Hour Answer Time Exception

This report allows you to display queues for each 30-minute period that had calls answered over a selected time limit. Each interval that had exceptions is displayed by itself on a page. There are totals at the bottom of each section for every column.

Summary information is displayed at the end of the report. Also, there is a listing at the end of the report of the days and intervals containing exceptional answer times.

The fields included in the report: time and date interval, Queue, CW, IPS, PRS, TPS, TOTAL, ASA, Amt. ASA Over the selected time and % of Calls Over the selected time.

T-5323 Team System Hourly Report

This report has 2 sections: a 6-hour summary section and a more detailed section.

The Summary section appears first and a section for each day for the whole observation period exists below that. The Summary Page displays the following information: the time interval, IPS, RPS, TPS, TOTAL, CBWV, NCWV, IDLT, AWT, AOP, %OCC and ASA. Totals are displayed at the bottom for every column.

The detail section contains the same information as the summary section, but is divided for each interval. Totals are also displayed at the bottom for every column.

At the end of the report, there are system totals for every column. For the usage-related columns, the max usage is displayed along with the interval of the max usage and the % of traffic that the max usage accounted for.

T-5324 Hourly Answer Time Exception Report

This report allows you to display queues for each hour that had calls answered over a selected time limit. Each interval that had exceptions is displayed by itself on a page. There are totals at the bottom of each section for every column.

Summary information is displayed at the end of the report. Also, there is a listing at the end of the report of the days and intervals containing exceptional answer times.

The fields included in the report: time and date interval, Queue, CW, IPS, PRS, TPS, TOTAL, ASA, Amt. ASA Over the selected time and % of Calls Over the selected time.

T-5426 QMS Queues Detail Report

This report displays team information and queue detail information. The team information is first, followed by the queue detail information.

A 6-hour summary section appears first and detail sections for the whole observation period are below that. The Summary Page displays the following information: the time interval, IPS, RPS, TPS, TOTAL, CBWV, CW, AWT and ASA. Totals for the 24 hour period are displayed on the bottom of the summary section.

The detail section has information for each interval in the observation period. The same columns as in the summary are displayed for the detail section.

Summary

T-5420 QMS Team Summary Report
This report displays a summary of team information.

For each team, a 6-hour summary section appears first and detail sections for the whole observation period are below that.

The Summary Page displays the following information: the 6-hour interval, IPS, RPS, TPS, TOTAL, CBWV, NCWV, IDLT, AWT, AOP, %OCC and BDH. Totals for the 24 hour period are displayed on the bottom of the summary section.

The detail section has information for each interval in the observation period. The detail section contains the following information: the time interval, IPS, RPS, TPS, TOTAL, CBWV, NCWV, IDLT, AWT, AOP, %OCC and REQ POS.

T-5421 QMS Queues Daily Summary Report
This report displays a summary of team information per day.

For each team, a 6-hour summary section appears first and detail sections for observation period are below that.

The Summary Page displays the following information: the 6-hour interval, IPS, RPS, TPS, TOTAL, CBWV, CW, AWT and ASA. Totals for the 24-hour period are displayed on the bottom of the summary section.

The detail section has information for each interval in the observation period. It displays the same columns of information as the Summary Page.

T-5422 QMS Queues Summary Report
This report displays a summary of team information for the whole observation period.

For every team, a 6-hour summary of the whole observation period appears first and a detail section is below that.

The Summary Page displays the following information: the 6-hour interval, IPS, RPS, TPS, TOTAL, CBWV, CW, AWT and ASA. Totals for each column are displayed on the bottom of the summary section.

The detail section has information for each interval for the total of the observation period. It displays the same columns of information as the Summary Page.

T-5523 Team System Quarter Hr. Summary Report
This report displays a summary of team information for the whole observation period.

This report has 2 sections: a 6-hour summary section and a detailed section for each 15-minute interval.

The Summary Page appears first and displays the following information: the 6-hour time period, IPS, RPS, TPS, TOTAL, CBWV, NCWV, IDLT, AWT, AOP, %OCC and ASA. There are totals at the bottom of every column for the Summary Page.

The detail section contains the same header information as the Summary Page, but has the information for the observation period divided up for each 15-minute interval.

At the bottom of the detail section there are system totals for every column. For the usage related columns, the max usage is displayed along with the interval of the max usage and the % of traffic that the max usage accounted for.

T-5623 Team System Half Hour Summary Report
This report displays a summary of team information for the whole observation period.

This report has 2 sections: a 6-hour summary section and a detailed section for each half-hour interval.

The Summary Page appears first and displays the following information: the 6-hour time period, IPS, RPS, TPS, TOTAL, CBWV, NCWV, IDLT, AWT, AOP, %OCC and ASA. There are totals at the bottom of every column for the Summary Page.

The detail section contains the same header information as the Summary Page, but has the information for the observation period divided up for each half-hour interval.

At the bottom of the detail section there are system totals for every column. For the usage-related columns, the max usage is displayed along with the interval of the max usage and the % of traffic that the max usage accounted for.

T-5723 Team System Hourly Summary Report
This report displays a summary of team information for the whole observation period.

This report has 2 sections: a 6-hour summary section and a detailed section for each hour interval.

The Summary Page appears first and displays the following information: the 6-hour time period, IPS, RPS, TPS, TOTAL, CBWV, NCWV, IDLT, AWT, AOP, %OCC and ASA. There are totals at the bottom of every column for the Summary Page.

The detail section contains the same header information as the Summary Page, but has the information for the observation period divided up for each hour interval.

At the bottom of the detail section there are system totals for every column. For the usage-related columns, the max usage is displayed along with the interval of the max usage and the % of traffic that the max usage accounted for.

Combined

T-6100 Quarter Hour QMS/OM Combined Report

T-6200 Half Hour QMS/OM Combined Report

T-6300 Hourly QMS/OM Combined Report

T-6400 QMS/OM Combined Daily Summary Report

On/Off Hour

T-1701 Dial Tone Speed Busy Hour On & Off Hour Report
This report displays the Dial Tone Speed information by each group, per ½ hour interval. The following fields are shown: LCMDT_T, LCMDT_D, LCMDT_T on/off hour, LCMDT_D on/off hour.

T-1702 BRSTAT Busy Hour Report
This report displays the following information for each group selected on a half hourly basis: the traffic for BRSCAP and the Average Hour (the average between the 1st half of the hour and the 2nd half of the hour for each day selected.

T-1703 Percent of Engineered Capacity Summary Report
This report displays percent of engineered capacity that the selected exchange is utilizing, regardless of being over or under the selected capacity. The report displays: the group name/number, the date, the Busy Hour, the Busy Hour usage, the Total usage, the Engineered usage, the Grade of Service, Trunks equipped/working and required, the trunks over/under, and the % of the Engineered CCS that was being utilized.

GTD-5

Busy Hour

G-28200 Monthly GTD-5 MPSW-TDA Busy Hour Processor Real Time Report
This report displays the following information for the selected groups for the selected time range: the group name/number, date, busy hour, First 15 MIN %, Second 15 MIN %, Third 15 MIN %, Fourth 15 MIN %, Average %, INT, and the Data Loss.

G-28202 Daily GTD-5 MPSW-TDA Busy Hour Processor Real Time Report
The reports program says it is a Daily report, but when the report is ran, it calls itself a monthly report.

G-28203 GTD-5 Line/Trunk/Attempt/Comp Busy Hour Report
This report displays the following information for the selected groups for the selected time range: date, busy hour, Total Attempts and Completions, L-L Attempts and Completions, L-T Attempts and Completions, T-L Attempts and Completions, T-T Attempts and Completions. Also, there are totals for every group at the bottom that group's section of the report. Companion reports are: 28300, 28400, 28800

G-28204 Monthly GTD-5 MPSW-TDA Busy Hour Charge Register Blocks Needed Report
This report displays the following information for the selected groups for the selected time range: date, busy hour, Peg, CCS, OVFL, Charge Register Blocks Needed, MOU, and Avg. HT.

G-28205 Monthly GTD-5 MPSW-TDA Busy Hour Call Register Blocks Needed Report

G-28210 Monthly GTD-5 MPRU-TDA Busy Hour RLU/MXU Report
Companion reports are: 28310, 28410, 28810

G-28230 Monthly GTD-5 MPRU Busy Hour RLU/MXU Report
Companion reports are: 28330, 28430, 28830

G-28240 Monthly GTD-5 Busy Hour MF & DTMF Report

G-28250 Monthly GTD-5 MPLD-TDA Busy Hour Report

G-28260 Daily GTD-5 Busy Hour Trunk Outage Report

G-28280 DS-1 RLU/MXU Busy Hour
Companion reports are: 28380, 28480, 28880

Hourly

G-28301 Hourly GTD-5 High Probability Completion (HPC) Hour
This report displays the following information for the selected groups for the selected time range: Interval, Orig. Call Atts, Inc Calls, Term Calls OTG Calls, OTG Calls to No CKT, OTG Calls to IXC, OTG Calls to No IXC, OTG Calls EXMPT NMCS. Also, there are 24-hour totals for every group listed at the bottom of that groups section of the report. The Max Usage for the following area is listed at the very bottom of the report: the max usage of all intervals and what interval that was at, the max usage of the business hours and what interval that was at, the max usage of the off business hours and what interval that was. Companion reports are: 28401, 28801

G-28302 Hourly GTD-5 MPSW-TDA Processor Real Time Report

This report displays the following information for the selected groups for the selected time range: the group name/number, date, busy hour, First 15 MIN %, Second 15 MIN %, Third 15 MIN %, Fourth 15 MIN %, Average %, INT, and the Data Loss.

Also, there are 24-hour totals for every group listed at the bottom of that groups section of the report. The Max Usage for the following area is listed at the very bottom of the report: the max usage of all intervals and what interval that was at, the max usage of the business hours and what interval that was at, the max usage of the off business hours and what interval that was.

G-28304 Hourly GTD-5 MPSW-TDA Charge Register Blocks Needed Report
This report displays the following information for each group/day selected per interval: The Interval, Peg, CCS, Overflow, Charge Register Blocks Needed, MOU, and Average Holding Time. At the bottom of the report, there are 24-hour totals for the Peg, CCS, and Overflow. The Max Usage is also shown and what interval it occurred at.

G-28340 Hourly GTD-5 MF & DTMF Receivers Delay Report
This report

G-28350 Hourly GTD-5 MPLD-TDA Report
This report

G-28370 Hourly GTD-5 MPCS-TDA Customer Service Report
This report displays the following information for the selected groups for the selected time range: the interval, Orig. ATT/CALLS, Orig. CCS, Term Att/Calls, Term Busy, Term Comp, Term CCS, Total Attemps/Call, Total CCS, MOU, AVG Holding Time (Min.).

Also, there are 24-hour totals for every group listed at the bottom of that groups section of the report. The Max Usage for the following area is listed at the very bottom of the report: the max usage of all intervals and what interval that was at, the max usage of the business hours and what interval that was at, the max usage of the off business hours and what interval that was.

Daily

G-28420 Daily GTD-5 MDS-TDA Dial Tone Speed Report
This report displays

G-28440 Daily GTD-5 Trunk Outage Report
This report displays

Yearly

See previous report descriptions.

AT&T 5ESS (offered Half-hour, Hourly, Daily, Yearly, Summary)

A-2x003 AT&T 5ESS Section 3: Office Totals
This report provides the selected time interval measurement of the following fields per group for Office Totals on the AT&T 5ESS switch: MFINRQ, ISUPOR, TTORQ, CDIRR, TCANS, MFOURQ, TCBSY, TCRNG, ISUPRQ, DPORQ, TCINT, RPINRQ, TUPRQ, DPINRQ, and C6OURQ. There are totals at the bottom of every day for each column.

A-2x004 Half Hour AT&T 5ESS Section 4: System Access Delay
This report provides the selected time interval measurement of the following fields per group for System Access Delays on the AT&T 5ESS switch: DTDPC, DTDSC, TDAD, TDASC, REORD, BLKOVD, and TSMM. There are totals at the bottom of every day for each column.

A-2x005 Half Hour AT&T 5ESS Section 5: Call Type Information
This report

A-2x007 Half Hour AT&T 5ESS Section 7: Tone Decoders
This report

A-2x017 Half Hour AT&T 5ESS Section 17: Gets High Probability Completion
This report

A-2x023 Half Hour AT&T 5ESS Section 23: Umbilical Time Slot
This report

A-2x037 Half Hour AT&T 5ESS Section 37: Intra-RSM
This report

A-2x046 Half Hour AT&T 5ESS Section 46: Announcements Services
This report

PBX

P-23000	Hourly Counsole Studies Report
P-24000	Daily Counsole Studies Report
P-25000	Busy Hour Counsole Studies Report

CORNERSTONE

T-2900	Voice Port Count Daily Summary Report
T-2901	Voice Port Count Summary Report
T-2920	Daily Call Info Report
T-29210	Hourly Number of Calls Report
T-29200	Daily Number of Calls Report
T-29230	Monthly Number of Calls Report
T-29500	Daily Exceptions Report
T-29600	Hourly Load Per Line Report
T-29610	Daily Load Per Line Report
T-29620	Monthly Load Per Line Report
T-29700	Hourly Average Hold Time Report
T-29710	Daily Average Hold Time Report
T-29720	Monthly Average Hold Time Report

SERVER

T-24140	Daily Dropped Calls Report
T-24150	Daily Call Failure Report
T-27140	Dropped Call Summary Report
T-27150	Call Failure Summary Report

DMS-10

Quarter Hour

D-21014	Quarter Hour OPM 014 TSMS Report
D-21025	Quarter Hour OPM025 Report This report

Half Hour

D-22014	Half Hour OPM 014 TSMS Report
D-22025	Half Hour OPM025 Report This report

Hourly

D-23014	Hourly OPM 014 TSMS Report
D-23025	Hourly OPM025 Report This report

Daily

D-24014	Daily OPM 014 TSMS Report
D-24025	Daily OPM025 Report This report

Yearly

D-27014	Yearly OPM 014 TSMS Report
D-27025	Yearly OPM025 Report This report

Summary

D-28004	Summary OPM004 OGP TRK Report This report
D-28014	Summary OPM 014 TSMS Report
D-28104	Summary OPM004 IGP TRK Report This report
D-28204	Summary OPM004 OGP and IGP TRK Report This report
D-28205	Summary OPM025 OGP E800 Report This report

MTX

T-2x269 OM group **ICPCP**

The OM group ICPCP (Intelligent Cellular Peripheral Call Processing) pegs intelligent cellular peripheral (ICP) call processing events. This information is used to update the appropriate OM tables in the control module (CM) for a cell site. Also, appropriate CM OMs are pegged when maintenance actions are performed (either system or manually invoked).

The ICPCP report shows the usage per poll interval on all of the fields listed below for the observation period. It also calculates the % MBL ORIG COMP. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The ICPCP reports: 2172, 2272, 2372, 2472, and 2772.

Fields required for group ICPCP:

MBLORG	MBLORGCO	PAGEREQ	PAGERESP
MBLTERCO	MBLREGR	MBLINCPT	MBLREORD
CCHMSG	DIRETRY	SATTOS	INVSATDT
INCPGRES	SBITMIS	EBITMIS	PGHASH
PGHASHTO	UNEXPGI	NBPREQI	NBPRSPI
RSPLSHRQ	RSPLSHSC	SFAILQRY	SPASSQRY
SIGNORED	CCHMWOA	CCHMWOC1	CCHMWOCR
VCHMWOA	VCHMWOC1	VCHMWOCR	

T-2x270 OM group **ICPDCP**

The OM group ICPDCP (Intelligent Cellular Peripheral Digital Call Processing) pegs digital call processing events that occur on an intelligent cellular peripheral (ICP).

The ICPDCP report shows the usage per poll interval on all of the fields listed below for the observation period. It also calculates the % MBL ORIG COMP. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The ICPDCP reports: 2173, 2273, 2373, 2473, and 2773.

Fields required for group ICPDCP:

DMBLORG	DMBORACO	DMBORDCO
DPAGRESP	DMBTRACO	DMBTRDCO
DICCHMSG	DVCCTOS	INVDVCC

T-2x271 OM group **ICPDFA**

ICPDFA (Intelligent Cellular Peripheral Dynamic Frequency Association) provides the operation measurements to evaluate the performance of the Dynamic Frequency Association (DFA) feature.

The ICPDFA reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day and % COMP for each interval are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The ICPDFA reports are: 21271, 22271, 23271, 24271, and 27271.

Fields required for group ICPDFA:

CALLATT	CALLSUCC	CALLCIBR	CALLDROP
CHANREQ	NOCLRCH	NOUSECH	NOCHBLK
NODFABLK	SCANEVNT	SCANPASS	SCANFAIL
NOMPICLF	NOLPICLR	NOMACART	MISMATCH

T-2x272 OM group ICPDFC

ICPFC (intelligent cellular peripheral digital flow control) The registers peg intelligent cellular peripheral (ICP) call processing events for digital-capable subscriber units such as location requests and responses, timeouts and late responses. This OM group is keyed to the subcell number. The ICPDFC reports are: 27272, 24272, 23272, 22272, 21272 Field required for OM Group ICPDFC:

DLCRALOC	DLCRDLOC	DLCRARES	DLCRDRES	DLCRPRGE	DLCRTIMO
DRSSICRI	DLATRSSI	DLCRDLOW	DLCRDVCC	DLCRREQ	DLCRRETS
DFCSPR1	DFCSPR2	DMAXLOAD	DAVGLOAD	PMAXLOAD	PAVGLOAD
PDLRQUED	PDLRDISC				

T-2x273 OM group ICPFC

ICPFC (intelligent cellular peripheral flow control) registers peg intelligent cellular peripheral (ICP) call processing events such as location requests and responses, timeouts and late responses. The ICPFC reports are: 27273, 24273, 23273, 22273, 21273 Field required for OM group ICPFC:

LCRLOCRQ	LCRPURGE	LCRTIMO	LCRRESP	RSSICRI	LATERSSI
LCRREQ	LCRDLOW	LCRDSAT	LCRRETS		

T-2x274 OM group ICPOVLD

ICPOVLD (intelligent cellular peripheral overload) peg for each intelligent cellular peripheral overload events related to analog- and digital-capable subscriber units. ICPOVLD OM's are pegged when transition is made to the given overload level. The ICPOVLD reports are: 27274, 24274, 23274, 22274, 21274. Fields required for OM group ICPOVLD:

PROC0TRG	PROC1TRG	PROC2TRG	PROC3TRG	EISP0TRG	EISP1TRG
EISP2TRG	EISP3TRG	SBUF0TRG	SBUF1TRG	SBUF2TRG	SBUF3TRG
LBUF0TRG	LBUF1TRG	LBUF3TRG	CSLK0TRG	CSLK1TRG	CSLK2TRG
CSLK3TRG	IPBF0TR	IPBF1TR	IPBF2TR	IPBF3TR	

T-2x290 OM group MTXDCALL

MTXDCALL (Mobile telephone exchange data calls) counts the usage of each of the four types of data call: CDMA_ASYNC_96--CDMA asynchronous data (rate 9.6), CDMA_ASYNC_144--CDMA asynchronous data (rate 14.4), CDMA_G3FAX_96--CDMA group 3 fax (rate 9.6), and CDMA_G3FAX_144--CDMA group 3 fax (rate 14.4).

The MTXDCALL reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The MTXDCALL reports are: 21290, 22290, 23290, 24290, 27290. Fields required for group MTXDCALL:

DCMOATT	DCMOCOM	DCMTATT	DCMTCOM	DCIWFREL

T-2x405 OM group MTXPC1

MTXPC1 (mobile telephone exchange power class1) Each register in OM group MTXPC1provides call processing and event-related information for power class 1 subscriber units. The MTXPC1 reports are: 21405, 22405, 23405, 24405, 27405. The fields required for OM group MTXPC1:

MBORIG1	PGRESP1	SATFADE1	OSATOUT1	PSATOUT1	HSATOUT1
HOFCAND1	HOFORDR1	HOVCAND1	HOVORDR1	PC1SPR1-2	

T-2x406 OM group MTXPC2

MTXPC2 (mobile telephone exchange power class 2): provides call processing and event-related information for power class 2 subscriber units. The MTXPC2 reports are: 21406, 22406, 23406, 24406, 27406. The fields required for OM group MTXPC2:

MBORIG2	PGRESP2	SATFADE2	OSATOUT2	PSATOUT2	HSATOUT2
HOFCAND2	HOFORDR2	HOVCAND2	HOVORDR2	PC2SPR1-2	

T-2x407 OM group MTXPC3

MXTPC3 (mobile telephone exchange power class 3) provides call processing and event-related information for power class 3 subscriber units. The MTXPC3 reports are: 21407, 22407, 23407, 24407, 27407. The fields required for OM group MTXPC3

MBORIG3	PGRESP3	SATFADE3	OSATOUT3	PSATOUT3	HSATOUT3
HOFCAND3	HOFORDR3	HOVCAND3	HOVORDR3	PC3SPR1-2	

T-2x297 OM group OMMTX

OM group OMMTX (Operational Measurement Mobile Telephone Exchange) pegs the events that apply specifically to a subscriber unit.

The OMMTX report shows the usage per poll interval on all of the fields listed below for the observation period. A ratio for each attempted and completed type is listed also. This report also calculates TOT ATTS, MMATTS/TOT ATTS, CALL ATTS and CALL COMP. The last column of the report is a % column calculates CALL COMP divided by CALL ATTS. Totals are displayed at the bottom of the report. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The OMMTX reports: 21297, 22297, 23297, 24297, and 27297. Fields required for group OMMTX:

MLATTS	MLCOMPS	LMATTS	LMCOMPS
MMATTS	MMCOMPS	MOATTS	MOCOMPS
OMATTS	OMCOMPS	HOATTS	HOCOMPS
PGREQS	PGRESPS	MBORIGS	MTRMT
DROPCALL	DROPHO	REGATTS	REGCOMPS
EXSPATTS	EXSPCOMP	STIMEOUT	DMBORIGS
DPGRESP	DHOATTS	DHOCOMPS	DDRPCALS
DDROPHO	MOBANS	DVCCTO	OMMTXSP1

T-2x421 OM group OMMTX2

The OMMTX2 (Operational Measurement Mobile Telephone Exchange 2) group records the number of IS-136 mobile-specific call processing events on a per-partition basis.

Registers in OM group OMMTX2 peg the events that apply specifically to a subscriber unit. This OM group is a continuation of OM group OMMTX and it is keyed to the subcell site number. In MTX09 the OM group key is increased to support up to 2048 CDMA cells. The OMMTX2 reports are: 21421, 22421, 23421, 24421, 27421. The field descriptions for group OMMTX2 are:

ORRSSILO	PGRSSILO	DOUBORIG	OMMTX2SP
DOUBPAGE	MBLORIG	MBINCPTM	MBREGMSG
RGRSSILO	DBREGRCV	ORIGMWT	TERMMWT
PWRDNREG	PWRDNREL	UXPGATACC	PGOUTMSR
FCPGREQS	FCPRSPHC	FCPRSPAC	FCPRSPTO
ARGPTOAA			

T-2x298 OM group OMMTX3

OM group OMMTX3 (Operational Measurement Mobile Telephone Exchange 3) is pegged to record the mobile call processing events such as the number of mobile registrations. The registers n this group are used to engineer the load balancing among the cells.

The OMMTX3 reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The OMMTX3 reports: 21298, 22298, 23298, 24298, and 27298. Fields required for group OMMTX3:

PWRUPREG	PARMCHRG	TIMBSREG	ZONEBREG	DISTBREG

T-2x299 OM group OMMTXHO

OM group OMMTXHO (Operational Measurement Mobile Telephone Exchange Handoff) pegs the events that apply to handoff-related information including attempted and completed handoffs.

The OMMTXHO reports show the usage per interval on all of the fields listed below for the observation period. The totals for each group per day are also calculated. It also displays the maximum usage per day for the following areas: All intervals and when that interval ended, the max interval of the Business hours and when that interval ended, and the max of the Off Business Hour Intervals and what time that ended. The OMMTXHO reports: 21299, 22299, 23299, 24299, and 27299. Fields required for group OMMTXHO:

HOSENTCP	CALLOVER	NORESP	NOADJCEL
ABOVETH	NOVOICE	HOFFREQ	HOFFRTRY
HINREQ	HINRTRY	HOUTREQ	HOUTRTRY
HOVRREQ	HOVRRTRY	HOVRHOTL	LCRREQS
LCRRESPS	ADHOFF	HDIRREQ	HDIRRTYRY
HMTCREQ	HMTCRTRY	DAHOFF	DDHOFF
MAHOATT	MAHOCMP	HOACKSWB	

T-2x408 OM group OMMTXSYS

OMMTXSYS (operational measurement mobile telephone exchange system) records, on an office basis, the feature activations of mobile custom calling features. The OMMTXSYS

reports are: 21408, 22408, 23408, 24408, 27408. The fields required for group OMMTXSYS:

TWCSTART	TWCCOMP	CXRCOMP	CWTATT	CWTCOMP	MCRUATTS
MCFUCOMP	MCFUOFRD	MCFUDFLD	MCFBATTS	MCFBCOMP	MCFBOFRD
MCFBDFLD	MCFNAATS	MCFNACMP	MCFNAOFR	MCFNADFL	HIQTHRSH
FTRHOATT	FTRHOCMP	DIMAATTS	DIMACOMP	TRDBFULL	ACCPREDL
ACCCLLCT	TRDBLUPD	ESNFRAUD	MCFBDATS	MCFBDCMP	MCFAATTS
MCFACOMP					

T-24015 Hourly Dropped Calls Report

T-24016 Daily Dropped Calls Report

T-24017 Yearly Dropped Calls Report