

M&M Micro Systems, Inc.

iSOMS

List Reporting To PDF
Day Range Limitations

Note: This document does not pertain to Statistic reports, only certain “**List**” reports.

Example: List Cad Cards, Radio Traffic, Shift Reports, Incident Listings

Overview:

Certain reports in the system can generate 10,000+ pages of document, which are really unusable, but they could be printed to PDF and cause large CPU usage, sometimes 100% for 1-2 minutes depending on the number of rows returned or the report/pdf generated.

Example: Large 911/EOC, that might have 5000+ Complaint cards a month.

Running a list report of CAD Cards for 30 days, with radio traffic can generate a nearly 8,000 Page report because of the level of detail 5000 Cards, 8000 Notes on those Cards, 35 Radio Traffic on those cards. And that is just for one 30-day period. Now imagine running that for a year.

#1 What do you gain from a printed 8000 report?

#2 Who is going to read that entire report?

#3 Are you really searching for something and maybe the Global Search would give your answer?

The real issue is running a really long report that spikes the CPU of your server, or the hosted server.

To prevent this, we have implemented Day Range limits when **Printing to PDF** certain reports

Very important wording there, “**Printing To PDF**”

If you **EXPORT** to excel, csv, xml or db. there is **NO** day limit

It's only if you Print to PDF do the limits take place.

There are several settings for this and they are all on by default. This is a screenshot of some of the settings for reference.

63 Settings			
Setting	Setting Type	Setting Value	Description
REPORT-LISTS-LIMIT-DAYS	YESNO		Default is Yes. If Yes, will max configured Days on Cad/Booking/Incident (Lists) for limited date range List Reports
REPORT-LISTS-LIMIT-DAYS-BOOKING	TEXT		Default is 90 Days Min = 30, Max 365 (report through date - value if exceeded)
REPORT-LISTS-LIMIT-DAYS-BOOKING-1-FILTER	TEXT		Default is 31 Days Min = 31, Max 365 + 1 Filter (report through date - value if exceeded)
REPORT-LISTS-LIMIT-DAYS-BOOKING-SHIFT	TEXT		Default is 31 Days Min = 31, Max 90 + Shift Report/Long Lists (report through date - value if exceeded)
REPORT-LISTS-LIMIT-DAYS-CAD	TEXT		Default is 90 Days Min = 30, Max 365 (report through date - value if exceeded)
REPORT-LISTS-LIMIT-DAYS-CAD-1-FILTER	TEXT		Default is 31 Days Min = 31, Max 365 + 1 Filter (report through date - value if exceeded)
REPORT-LISTS-LIMIT-DAYS-INCIDENT	TEXT		Default is 90 Days Min = 30, Max 365 (report through date - value if exceeded)
REPORT-LISTS-LIMIT-SUPER-USER	YESNO		Default is Yes. If No, will Allow an Agency Super User to run any date range

Settings Explained

Note: This is only if printing/viewing to PDF. If you export to Excel there is no limit

REPORT-LISTS-LIMIT-DAYS – This is the main setting, on by default. If this is set to NO there will be no limit on printing long list reports and users could crash the system if they decide to print a 20+ years list that might be 100,000+ pages.

REPORT-LISTS-LIMIT-SUPER-USER – Yes by default. If this is set to NO an Agency Super User could still print any report for any date range. This might be an acceptable alternative for sites so an Admin could run these reports to verify they are reasonable to run. The admin might suggest printing that 90-day list, but without radio traffic or notes or units, just listing the calls themselves. So, we are not limiting records, just day ranges.

REPORT-LISTS-LIMIT-DAYS-CAD – Default is 31 Days, if the number of days of your report range to PDF is greater than the default/configured days. The system will auto-adjust the From Date of the report. The formula is Report Through Date – Configured Days. Example: You run a Cad List report from 01/01/2023 to 12/31/2024. The system will auto-adjust the Report from date to 12/01/2024. So that it is limited to the configured max days.

REPORT-LISTS-LIMIT-DAYS-BOOKING – Default is 31 Days, if the number of days of your report range to PDF is greater than the default/configured days. The system will auto-adjust the From Date of the report. The formula is Report Through Date – Configured Days. Example: You run a Shift Report from 01/01/2023 to 12/31/2024. The system will auto-adjust the Report from date to 12/01/2024. So that it is limited to the configured max days.

REPORT-LISTS-LIMIT-DAYS-INCIDENT – Default is 31 Days, if the number of days of your report range to PDF is greater than the default/configured days. The system will auto-adjust the From Date of the report. The formula is Report Through Date – Configured Days. Example: You run an Incident List report from 01/01/2023 to 12/31/2024. The system will auto-adjust the Report from date to 12/01/2024. So that it is limited to the configured max days.

REPORT-LISTS-LIMIT-DAYS-CAD-1-FILTER – This is a special condition filter. If its active the system will determine if you narrowed down by additional filters. If you added several filters to the report, it could remove the day range limitation.

Example: Cad List Report 01/01/2023 – 12/31/2023 for Maryville Fire Department and Unit MFD1, that would be enough to help reduce the number of printed pages.

REPORT-LISTS-LIMIT-DAYS-BOOKING-1-FILTER – This is a special condition filter. If its active the system will determine if you narrowed down by additional filters. If you added several filters to the report, it could remove the day range limitation.

Example: Agency Shift Report 01/01/2023 – 12/31/2023 for Employee Elder, Martin or Area of Note = Laundry Room