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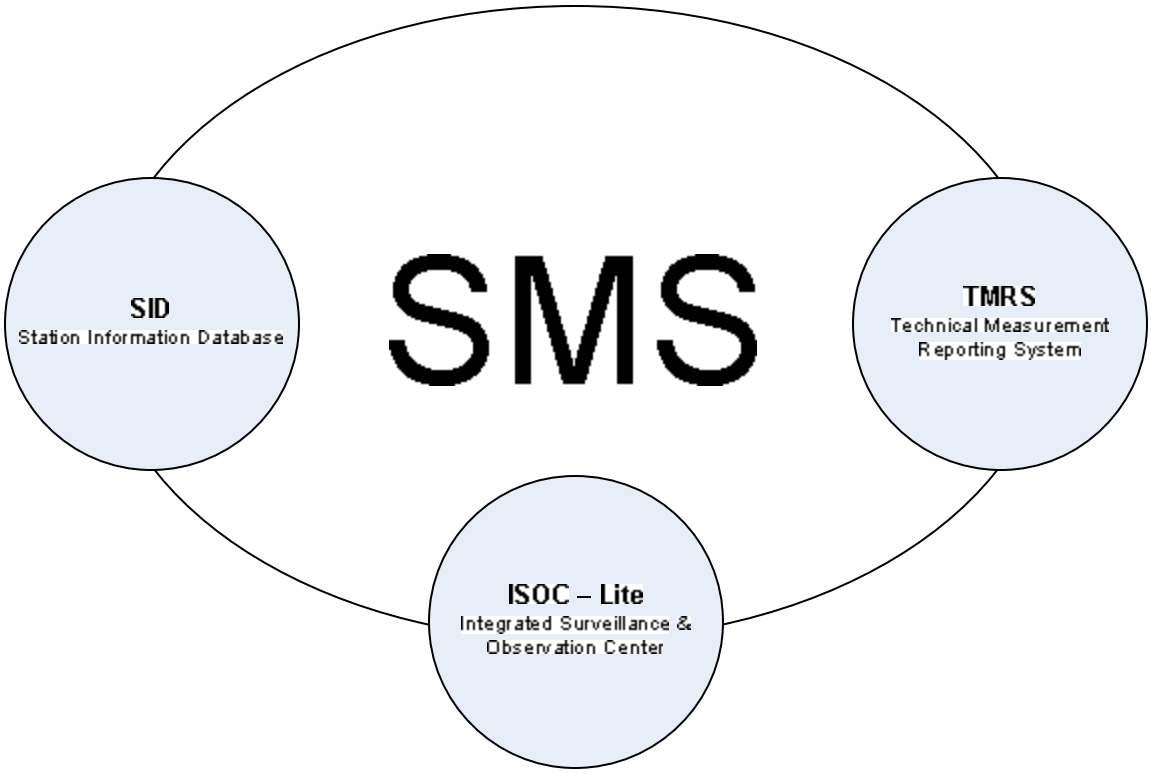
SPECTRUM MANAGEMENT SOLUTION
STARTER KIT
BY
AEROSYSTEMS INTERNATIONAL INC



INTRODUCTION

Historically the cost of implementing a spectrum management system could cost a minimum of $500K to $1M or more, up front, to get a management program off the ground. Such systems can easily be beyond the reach of many countries. Additionally, a steep learning curve is often involved, faced with a lot of technically advanced equipment and software, to implement, over a short period of time.

Aerosystems has looked at this scenario, and believe there is a better way of implementing a spectrum management program, with a reasonable learning curve, and without incurring significant monetary expense in the short term.

ASI introduces the SMS Starter Kit = ISOC Lite, the **"Canadian Solution ™"**

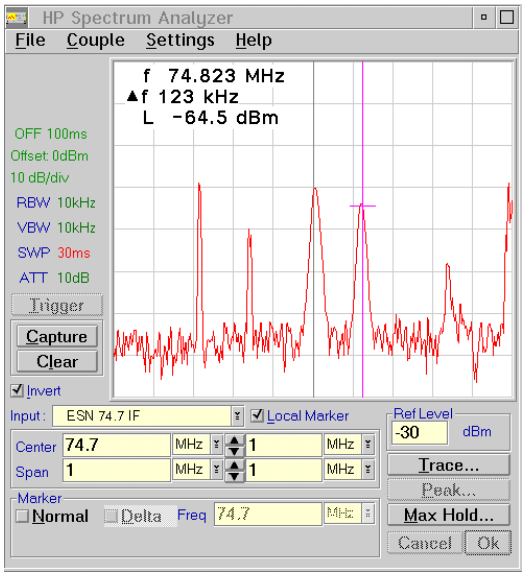
SMS STARTER KIT

Operators will obtain the following functionality:

1- **ISOC-Lite (Integrated Surveillance and Observation Center)**
2- **TMRS (Technical Measurement and Reporting System)**
3- **SID (Station Information Database)**

ISOC-LITE (INTEGRATED SURVEILLANCE AND OBSERVATION CENTER)

This is a transportable monitoring system which can be installed at secure sites of the client's choice, to collect spectrum usage information.



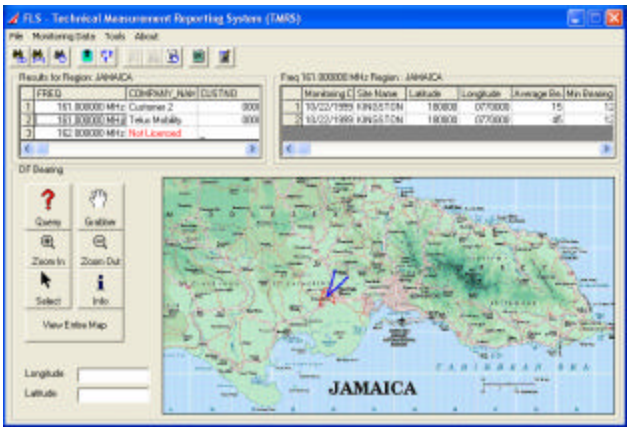
Real-Time Functionality

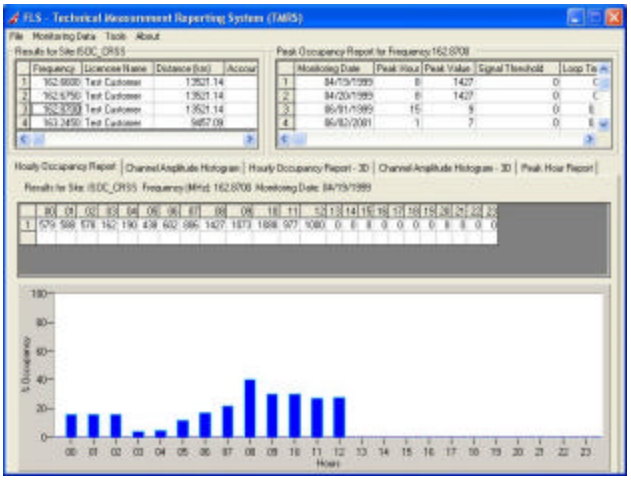
ISOC allows user access locally, over a wan, or across the globe, operating equipment from a computer-generated *virtual rack*. Graphic representations of your equipment give **full control** of it, as if you were standing in front of it. The following functions are fully implemented and supported.

- Occupancy scanning
- Digital Audio recording/Listening (manual or automated)
- Direction Finding (Optional)
- Frequency Monitoring
- Spectrum analysis

- Speaker volume control
- Trace with multiple cursors

TMRS (TECHNICAL MEASUREMENT AND REPORTING SYSTEM)





This feature provides capability to post process the data from the ISOC Lite featured in Item 1.

The Aerosystems' Monitoring Equipment (ISOC systems) can be utilized to collect large amount of occupancy data during a long period of time. The collection of channel occupancy information is an essential tool in the management of the radio spectrum. The information it provides can be used in many ways. This include but are not limited to; verifying the presence of licensed users, determine the existence of unlicensed or clandestine activity and provide information necessary for the planning of new frequency bands. The ISOC Monitoring Equipment can be used to perform this data collection task; it is a state of the art combination of hardware and software that enables the collection of large amounts of channel occupancy data in a timely manner.

SID (STATION INFORMATION DATABASE)

This feature provides the client the capability to start building out a user data base. The Station Information Database is a modular approach to the growing need of a small efficient database capable of delivering the necessary functions to support the requirements of the frequency monitoring process.

Based on Microsoft SQL server and the latest windows operating system, SID is a multi-user application that can run on multiple workstations to support the various tasks of the application.

Operators can use the SID to archive the following information:

1- Station Location
2- Antenna types & Pattern
3- Equipment Type
4- Station Owner Information
5- Frequency parameters
6- Additional Modules can be added

SMS STARTER KIT DELIVERABLES AND PRICING SUMMARY

SMS starter kit, operators will obtain the following functionality:

1-ISOC-Lite (Integrated Surveillance and Observation Center)

a. Laptop P4, 2GHZ, 2 GB RAM, or better
b. Rhode & Schwarz EB200 9 kHz – 3000 MHz monitoring receiver
c. Omni-directional Antennas 20MHz – 1300 MHz
d. ISOC Remote Control Application for scanning and monitoring
e. Digital Audio Recording/Listening Capabilities
f. Windows XP Server package
g. Microsoft Office
h. Transport case

2-TMRS (Technical Measurement and Reporting System)

i. SQL Server
j. TMRS Database to archive, analyze and generate reports on the activities.
k. Provides Loading charts per day, per hour and per frequency

3- SID (Station Information Database)

l. Station Location
m. Antenna types & Pattern
n. Equipment Type
o. Station Owner Information
p. Frequency parameters

The "CANADIAN SOLUTION™", software and hardware management, for monitoring radio spectrum!

For more information please contact Aerosystems International Inc at

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