

**EMwerx**  
**Incident Manager**  
**Presentation**  
**SARSCENE Sept 27**  
**2010**



Work Remotely, Synchronize Data Centrally!

# Presenters:

- Susan Helliwell, CEO Pii Software
- Vern Fraser – Nova Scotia EMO
- Mike Enos, Pii Software



# Presentation:

1. Intro to Pii Software
2. Back ground on the origins of the NS GSAR SMART – Vern Fraser
3. Overview of the SMART system
4. Live Demo of the Search Event module



# Introduction to PII Software:

- Part of PRAXES Medical Group (PMG)
- PMG supplies Emergency Tele-medicine support for remote locations
- Since 1997
  - Medical staffing
  - Remote emergency medical support
  - Emwerx (SMART)



Work Remotely, Synchronize Data Centrally!

# Origins of SMART

- 3 ½ years ago we saw the need in Nova Scotia
- Experiencing Increasing number of multi team call outs
- Needed better coordination of searches & related reporting, data collection & member record keeping
- SMART team - members of NSGSAR and EMO reps worked closely to develop SMART
- SMART is designed *specifically* for GSAR applications – matches work flow
- Based on the ICS Incident Command System





SMART SYSTEM  
Training Alert  
profile: [Emo Admin](#)

[logout](#)

● Welcome To The SMART System



Members



Assets



Reports



Documents



Admin



Event Management



[my.emwerx](#) | [documents](#) | [reports](#) | [members](#) | [admin](#) | [help](#)  
| [feedback](#) | [my\\_profile](#) | [announce](#) | [logout](#)

# SMART – highlights

- Nova Scotia is first GSAR in Canada with SMART
- Works as a stand alone as well as internet-based system
- Conforms to ICS standards.
- Tracks total volunteer hours for training & search events etc
- Secure storage of member data
- Member ID cards ensure improved security at events
- Central database of all available assets, their owners and locations.



# EMwerx (SMART) system:

## – Manage Information

- Training, Medical info, contact
- Assets
- Search data

## – Manage People

- Know who is on site and what their skills are
- Assign the right people with the right skills
- Track the time that people spend doing tasks.



# Where can EMwerx be installed?

## EMwerx installation



1. EMwerx on a laptop



2. EMwerx on a USB drive



3. Multi-user EMwerx in the enterprise data center



4. EMwerx via the internet



# BEFORE an event:

- Use Member database to proactively manage training so that it is always up to date.
- Track member time spent during training, fundraising, other events.
- Track and manage all Assets to ensure they are ready to go.
- Share Member and Asset data among many teams.
- Membership cards easily generated.



# Track Training:

MacDonald, Donny - # EMO

● Member Manager

[Return To Member - View System As Member](#)

Demographics Contact Teams Emergency **Training** Roles Security Attaches Searches

Change Log

● Training/Certifications

Training	Obtained	Expiry	#	File
Basic Emergency Management	2008/01/01	2010/01/01	None	+
Remove This Training	2006/07/07	2008/07/07	None	+
Wilderness First Aid	2007/08/08	2009/08/08	None	+
Wilderness First Responder	2007/08/08	2009/08/08	None	+
			None	
			None	
			None	

employee. It shows in yellow when a training or certification has expired. Training reports can also be generated for each ROLE in the company.



Work Remotely, Synchronize Data Centrally!

# Track Assets:

## ATV, Honda - #

### ● Asset Manager

[Return To Assets](#)

[Profile](#)

[Teams](#)

[Contact](#)

[Certifications](#)

[Attaches](#)

[Searches](#)

[Change Log](#)

### ● Asset Profile

Category:	<input type="text"/>
Equipment Name:	<input type="text" value="ATV"/>
Manufacturer/Model #:	<input type="text" value="Honda"/>
Serial Number:	<input type="text" value="222-333-444"/>
Date Purchased:	<input type="text"/>
Search Group:	<input type="text" value="ATV"/>
Include In Tasking:	<input type="text" value="Yes"/>
Primary Location:	<input type="text" value="Annapolis GSAR"/>
Status:	<input type="text" value="Active Member"/>

[Calendar](#)



[Add/Replace Photo](#)



**Work Remotely, Synchronize Data Centrally!**

# DURING an event:

- Operate remotely (no internet required)
- Check in and out all people at a site
- Control site access – only approved members are admitted.
- Know what training on-site members have.
- Assign the right people with the right training to the right tasks.
- Track total time on site – manage fatigue issues
- Collect accurate data in real time- move to paperless system.



# Check-in/Check-out:

- Can use a barcode scanner or check people in manually.
- Can search by name or by team.
- Can check in/out multiple people or assets at once

Check In/Out:  All

[Spontaneous Volunteer Sign-Up](#)

[Return To Search & Rescue Menu](#)



# Check in multiple people and assets at one time:

## ● Search & Rescue: Test123

Check In/Out:  All

## ● Search Results

Name	Cell	Phone	Primary Team	Checked In (HH:MM)
<input type="checkbox"/> Barcode Scanner, Symbol			Annapolis GSAR	
<input type="checkbox"/> Beagle, Wally	222-2222	333-3333	Annapolis GSAR	✓ 0:00
<input type="checkbox"/> Document, Tester			Annapolis GSAR	
<input type="checkbox"/> Hockin, John			Annapolis GSAR	
<input type="checkbox"/> McBeth, Elizabeth	240-0000	xxx-xxx-xxxx	Annapolis GSAR	✓ 0:00
<input type="checkbox"/> printer, hp C6380			Annapolis GSAR	
<input type="checkbox"/> Sky, Johnny	222-2222		Annapolis GSAR	✓ 0:00
<input type="checkbox"/> Smith, Jim			Annapolis GSAR	
<input type="checkbox"/> Smith, Marc			Annapolis GSAR	
<input type="checkbox"/> Smith, Richard			Annapolis GSAR	
<input type="checkbox"/> Spontaneous, Bob			Annapolis GSAR	
<input type="checkbox"/> Spontaneous, Jane			Annapolis GSAR	
<input type="checkbox"/> Spontaneous, Joe			Annapolis GSAR	
<input type="checkbox"/> Stationary barcode, manufacturer			Annapolis GSAR	
<input type="checkbox"/> Test Laptop, null			Annapolis GSAR	
<input type="checkbox"/> Test2, Volunteer			Annapolis GSAR	
<input type="checkbox"/> Tester, Install			Annapolis GSAR	
<input type="checkbox"/> Williams, Bill			Annapolis GSAR	✓ 160:14



# Planning

Home

Check-In/Out

Operations

Planning

Comm

Reports

## ● Planning

[Modify Incident Objectives](#)

[Record Major Events](#)

[Weather](#)

[Edit Incident](#)

[Download Event Information To Another Laptop](#)

[Transfer Incident To Next Operational Period](#)

## ● Subjects

Name	Gender	Age
------	--------	-----

*No Subjects Defined*

[Add New Subject](#)

## Other Operational Periods For AOJ Number 123456

● Operational Period	● Name	● Started	● Options
1	New Event 5/20	2010-05-20 13:04	<a href="#">View</a> - <a href="#">Print Comms</a>
123456	Demonstration Test	2009-07-09 18:24	<a href="#">View</a> - <a href="#">Print Comms</a>



# Objectives:

Home	Check-In/Out	Operations	Planning	Comm	Reports
<b>● Incident Objectives</b>					
#	Title	Status			
1-1	Search North of base camp ** 1. <a href="#">Follow the creek</a> (Tasked)	Active			
1-2	Search South of base camp	Active			
1-4	Search the Lake	Active			
1-5	Check in Spontaneous Volunteers	Active			
1-6	Base Camp Operations ** 3. <a href="#">Food Tent</a> (Tasked)	Active			
<hr/>					
1-3	Search West of base camp	Complete			
<a href="#">Add New Objective</a>					
<a href="#">Print Objectives</a>					



# Operations:

Test123 (123456) - 1

Home Check-In/Out **Operations** Planning Comm Reports Incident Objectives M: 9 S: 3 T: 12

**Available Resources**

TC (0) **Member (2)** Spon Volunteer (0) Asset (0) 2

Smith, Jim (0)

Smith, Marc (0)

**Activities/Tasked Resources**

Pending (0) **Tasked (3)** Returned (0) Org Chart (6) 10

2. Check in with Barcode Scanner [1] - 07:18 Edit

Barcode Scanner, Symbol (160)

Sky, Johnny (0)

---

1. Follow the creek - Obj # 1 [4] - 16:16 Edit

Blogs, Joe (0)

McBeth, Elizabeth (0) TC

Smith, Richard (0)

Williams, Bill (160) SM

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3. Food Tent - Obj # 6 [2] - 07:23 Edit

green, mary joe (0)

Jones, Anthony (161)



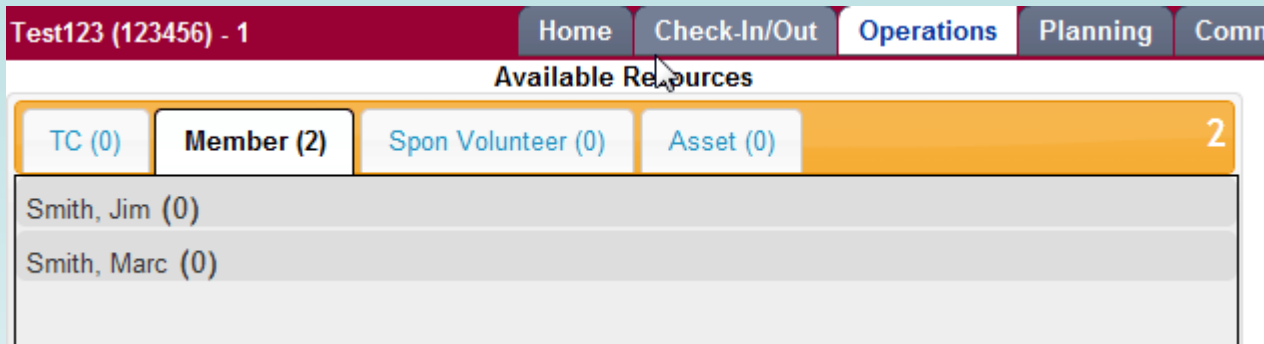
# Tasking:

- Tasks tied to objectives
- Drag and drop people and assets into tasks.

Reports		Incident Objectives M: 9 S: 3 T: 12		
Activities/Tasked Resources				
Pending (0)	Tasked (3)	Returned (0)	Org Chart (6)	10
2. Check in with Barcode Scanner [1] - 07:18				Edit
Barcode Scanner, Symbol (161)				
Sky, Johnny (1)				
1. Follow the creek - Obj # 1 [4] - 16:16				Edit
Blogs, Joe (1)				
McBeth, Elizabeth (1)				TC
Smith, Richard (0)				
Williams, Bill (161)				SM
3. Food Tent - Obj # 6 [2] - 07:23				Edit
green, mary joe (1)				
Jones, Anthony (161)				



# Available Resources



Available Resources				
TC (0)	Member (2)	Spon Volunteer (0)	Asset (0)	2
Smith, Jim (0)				
Smith, Marc (0)				

- Grouped by Team Captain, Members, Spon. Volunteer and Assets.
- Training shown next the name.
- Quickly and easily identify people and skills available for tasking.

# Communications

Home

Check-In/Out

Operations

Planning

Comm

Reports

Incident

## ● Communications Log

Method:

Communications From/To:

Team #

Direction:

Incoming  Outgoing

Notes:

Record

Time	Direction From/To	Notes	Recorded By	Method
2010-09-28 07:13	In	From check-in at gate. Many volunteers arriving. Need additional help to manage.	Emo Admin	Cell
2010-09-28 07:12	In 1	they found a red sweater at 1600h	Emo Admin	Radio

[Print Communications Log](#)



# AFTER an Event:

- Collate data from multiple teams in one event record on central server.
- Track total volunteer and asset hours.
- Generate event statistics easily and quickly.
- Generate accurate time lines if required for legal purposes.



# SMART - Enhances Health and Safety and reduces Risk:

1. Allows Team Managers to manage training more effectively and efficiently to ensure training is always up to date.
2. Ensures that Members are only assigned to tasks for which they are trained/qualified.
3. Enhances the capacity for search managers to track and monitor the general location and status of Members, Volunteers and Assets during training and SAR events, including their total time on site.
4. Ensure that Search Managers know if any Members have medical issues that may limit their task assignments.
5. Reduce member fatigue and ensure no one left behind.

