

# RSIM - Resuscitation Simulation

# Team, Tasks, Codes

with Team Optimization Course  
with eSERT Power

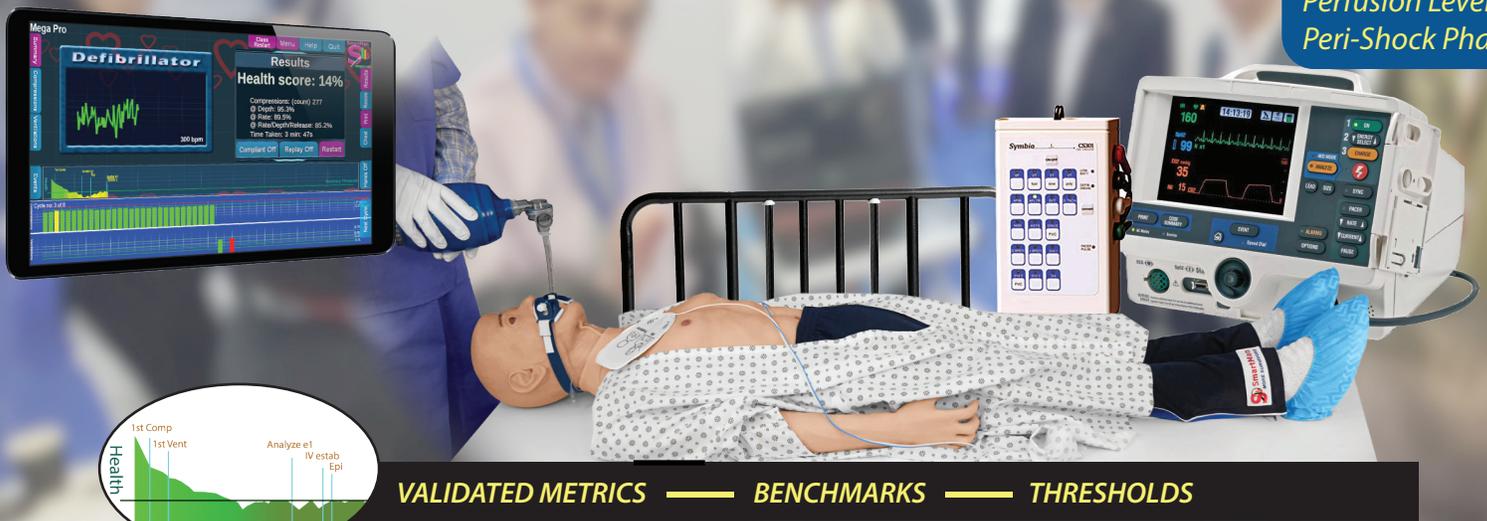
RS RSIM1+

## Integrates Skills, Tasks, Roles, and Team Dynamics

High Fidelity Full Body Resuscitation Patient Simulator Gives  
Your Team Realistic Run Time Practice  
Provides Objective Evidence for How the Team Can Improve

Coordinated Integrated Response for Higher Reality Training

Health Status  
Perfusion Level  
Peri-Shock Phase



### Optimizes Team Performance

Brings Team Direction and Team Roles Together with explicit instruction and objective analysis of how to improve performance for the patient.

### AI Enhanced Analysis

Put AI Analysis to work for you and produce easy to understand graphs on objective performance and accurate data and timing for debriefing.

### CTOC

This is a professionally delivered course. You choose whether to cover Standard Protocol or the High Density Protocol.

### Real Time Patient Condition

- Real Time Health Status
- Maintenance Threshold
- Responds to Performance
- Shows Optimal Chance for ROSC
- Shows Influence of Fraction

### Better Outcomes

Independent science shows SmartMan Trainer Systems have higher survival rates and survivors having a MUCH Higher Quality of Life.

Accurate & Objective  
- SmartMan Makes a Difference

Includes  
eSERT Power



Shows You In Graphs What Your Data Means

eSERT Power - the System that Collects, Cleans, Validates, and Organize Your Results Data. It Arranges and Displays your data so you simply concentrate on the trend and meaning. Quickly Incorporate Ready Made Graphs Into Your Reports.

16155 Sierra Lakes Parkway  
Suite 160210, Fontana, CA USA 92336  
Tel: +1 877 774-4323



info@SmartMan.biz  
www.SmartMan.biz

Features Sheet 1 of 2  
with Team Optimization Course  
with eSERT Power

RS RSIM1+

Based on SmartMan's Award Winning Color Feedback System  
Build Best Practice Muscle Memory and Establish Competence in a Variety of Crucial Tasks  
Meets and Exceeds ERC & AHA Requirements for 2020

## TASKS

*More Sensors with More Accurate Feedback  
Because It Matters for Better Patients Outcomes*

- BLS CPR Skills Included (AHA Guidelines 2020)
- ALS CPR Skills Included (AHA Guidelines 2020)
- Advanced Airway CPR
- Airway Management
- Mastering Intubation
- Mastering Use of BVM
- Changeover Efficiency
- Efficient Movement and Positioning
- I.O. Practice
- I.V. Practice (IV Arm is Optional)

## KEY TASKS FEATURES

*Understanding How Their Individual Performance  
Relates to the Condition of the Patient*

- Raising Individual Skills
- Practice On Sub-Skills
- Focus On Delivering All Sub-Skills Together
- Setting and Attaining Required Thresholds
- Retention of Target Levels of Performance
- Seeing Relationship of Performance to Blood Flow to the Brain
- Seeing Relationship of Performance to Health Status of the Patient
- Seeing Influence of Performance on Whether They have a Better Chance to Achieve ROSC

## POSITIVE-NEGATIVE PRESSURE AIRFLOW

 *The Only System with Life-Like Interactive  
Air Movement As The Chest Moves*

- Best Practice with True-to-Life Feel, Pressures, and Feedback for CPR on Intubated Patient
- Supporting Best Practice Training for Low Volume, High Density, Pitcrew, and CAM Protocols with Real Time Feedback
- Feel and Hear Misdiagnosed 'bucking-the-tube'

## QCI- DATA MANAGEMENT

- Login Name and Class Control
- Data from all Activities Available and For Review at Later Time
- Add Comments to Results file
- Create, Zip, and Send All Files to an Email
- Export Data to Excel to Compare Results
- Archiving of Results Data

## eSERT - CLOUD APP

*Enhanced System For Emergency Response  
Customized to Make Understanding Data Easy*

- Setup of eSERT Power
- Subscription Fee for 1st & 2nd Year of eSERT
- Enabled for eSERT Data Analysis
- Customized Dashboard with 5 Pre-Setup Pages

*Can Be Used With Your Real Defibrillator/Monitor*

## Metrics

- Highest Quality Sensors
- Validated In The Literature
- Based on Clinical Evidence

## Thresholds

- Already Objectively Validated
- Built Into SmartMan Simulators
- Proven Relationship to Survival

## Benchmarks

- Quick to Set Up
- Use to Show Improvement
- Use to Set Target Levels

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 **SmartMan**  
MORE SURVIVORS

Features Sheet 2 of 2  
with Team Optimization Course  
with eSERT Power

RS RSIM1+

*Team Dynamics, Clear and Precise Communication, Objective Evidence Based  
Suggestions on How to Improve, Showing How It Influences the Patient*

## TEAM Focus on the Patient

*Team members Skills being performed with the  
Time Running as it would be in a Real Situation*

### EFFECT ON PATIENT

Influence on the Patient for:

- Quality of Skills Performed
- How Quality Changes Condition of Patient
- Timeliness of All Skills
- Time from Onset, During, and End of Code
- Team Communication and Interaction

### SPECIFIC FOCUS POINTS

- How Has the Team Influenced Cerebral Blood Flow
- How Has the Team Improved the Chance of Successfully Achieving ROSC
- How Has the Team Improved the Condition of the Patient
- What Specific Performance Area Can Be Improved
- How Skills Interact with Interruptions
- Leadership Skills and Roles

### INTERACTIVE SIMULATIONS

- Simulations Respond in Real Time
- Display the Interaction of Skills With Various Clinical Aspects of the Patient
- Respond to Quality and Timeliness of Team Effort
- Calculate and Display Effect of Interruptions
- Display Performance Effect In Terms of the Thresholds of Performance
- Simulations are Single Click Turn On or Off
- Re-display on Review of Results

## Team Optimization Course

*Training in the What, When, How, and Why so  
the Code Runs Better for the Patient*

- Procedures & Protocols Related to the Science
- Command Leader & Responder Roles Practiced
- Team Dynamics and Movement of Responders
- Integration of Training with Simulator & Software
- Hands-On Practice for 3 to 6 Person Code
- Easy Integration with Existing Code
- In-Depth Debriefing Report as Basis for Long Term Benchmarks
- Analysis in Terms of Patient Condition

### CLS - CODE LEADERSHIP SYSTEM

*The Role of Leadership during a Team Effort Where  
High Quality Skills Must be Performed within Tight  
Time Limitations*

- Command Structure Made Explicit
- Team Leader Role Made Explicit
- Roles Defined By Number of Responders
- Develops Clear Communication Skills
- Develops Clear Closed Loop Communication
- Understanding for Roles in Different Protocols

### AI AIDED ANALYSIS

*AI Analysis and Summarizes Key Information  
in Simple to Understand Graphs*

- Focus on what will have the Greatest Impact on the Patient
- Quick View Graphs and Tables For Evidence Based Debriefing
- Graphic Display of Peri-Shock Analysis
- Times and Quality from Analyse to Shock

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### **eSERT Power Gives You Analyzed Data Examines Skills and Code Performance**

The ONLY System to provide accurate objective data related to your mock code training

#### ● eSERT Console Does the Hard Work

Does the Data Assembly Regardless of Where it is Located

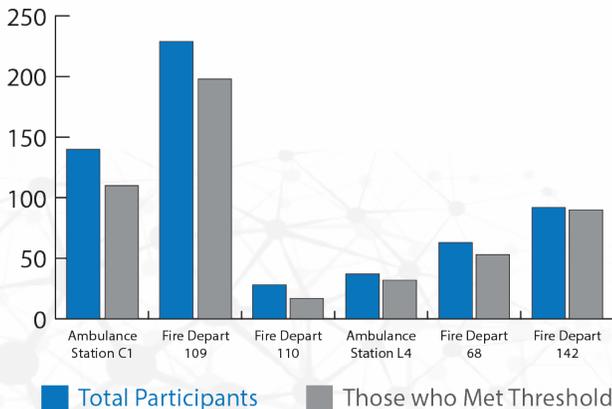
Verifies Data Format is Correct and That it Has Been Sent

Administrative Control to Add User and Change Information

Compare How Well Emergency Response Teams are Performing

#### ● Quick View Graphs Built For You

- Our Experts Who Know the Data, Create the Graphs
- See How Performance Changes Over Time
- Immediately See Which Groups Perform Better



See Trends Over Time

Use Pre-Made Graphs in Reports

Identify Strengths

#### ● Easy To Use Dashboard

- Easy to Use - Single Click Filters
- Slider to Score Ranges
- Click to Set Date Range
- Click to Include or Exclude Groups
- Export PDF and Export as Tables

#### INCLUDES

- Initial Training on Setup and Use
- Customization of 5 Graphic Display Pages
- No Cost to Add Results from 9 More Manikins
- Up to 5,000 Results
- 24 Months of Server Time

**eSERT Power is Included In RSIM Products**

Note: Requires Internet Connection

## EFFICIENT

- Verifies Results Data Format
- Verifies Results Data Already Sent
- Verifies for Variations
- Only Sends New Data
- Can Run Live or at a Specific Time

## COLLECTS

- Collects Results Data from All Manikins
- Collects From Any Locations
- Correctly Associates Different Login Names
- Corrects for Misspelled Logins and Nicknames

## QUICK-ADD

- Add More Manikins to System
- Quickly Bring New Computer on Stream
- Bring New System Into Sync
- Perform on Any Manikin in the System

## QUICK-VIEW

- Immediately See Overall Performance
- See How Performance Changes Over Time
- Identify Which Skills are Being Practiced
- Immediately See Which Groups Perform Better

## DRILL-DOWN

- Set Date Range
- Click to Include or Exclude Groups
- Slide to set Maximum and Minimum Scores
- Export PDF and Export as Tables



## MANAGEMENT

- Add Users Whenever You Want
- Modify Personal and Professional Details
- Manage Employee Changes such as Transfers and Adding New Employees
- Make Users Active / Inactive

## ADVANCED TEAM ANALYSIS

- Data on Mock Code Performance
- Records Scenarios Performed
- Includes Team Members
- Includes Roles Performed
- Includes Critical Events
- Shows Perishock Related Data

## INCLUDED WITH RSIM1 and RSIM ARDS

### INCLUDES

- Initial Training on Setup and Use
- Customization of 5 Graphic Display Pages
- No Cost to connect up to 10 Manikins
- 5,000 Performance Results
- 24 Months of Server Time

### Requirements

- Internet is Required for First Login.
- Internet is Required to Send Results Data.
- Internet is Not Required when Performing Activities
- PowerBI Login to View Displayed Pages

Note: Requires Internet Connection

These are Advanced Classes. They Bring Together the Theory and the Practice so that You Move Directly to World's Best Practice.

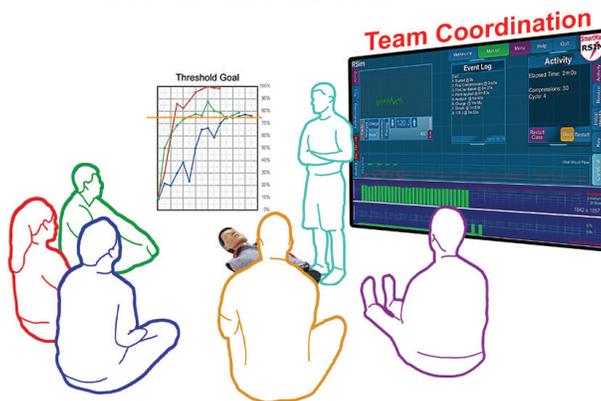


## Techniques That Are Proven to Work!

### THEORY

#### THE SCIENCE

- Why some actions work better than others
- Provides graphs of how performances and timing influences patient health
- Focus on time critical events when procedures must be perfect
- Matches key science with feedback areas within SmartMan



### TIPS

- Hand-Off tricks to make things run smoothly
- Learning how to effectively give and receive cues
- Timing efficient and effective change overs
- How to practice team set plays and debrief

### PRACTICE

#### HANDS-ON

- Practice so each person is a part of a high quality response
- Making debriefing short but effective by practicing effective leadership
- Practicing how to identify where to improve



### TECHNIQUES

- The most effective movements
- Roles that change over time
- Roles for different numbers of responders

### INCLUDES CERTIFICATE

- This is a Course Completion Certificate Issued by V4EMS.

**Best Practice = Highest Survival Rates**

**The SmartMan Courses  
Teach You What the Best Programs Do**

## *The Techniques That Are Proven to Work!*



### EXPERTS

- Designed by Professionally Qualified Educators
- Taught by Knowledgeable Trained Specialists
- Experts in Emergency Response Training
- Experts in the SmartMan Systems

### STRUCTURED

- Full Professionally Designed and Professionally Conducted Courses.
- Written Objectives, Content, Resources, Procedures, & Evaluation.
- Written Behavioural Objectives and Includes Evaluation.
- Require Participants to Perform on the Manikin in order to Produce the Real Data which will be used in the Class.
- Focus on Quality of Performance and Meeting the Threshold of Performance Required to Help the Condition of the Patient
- An Evaluation of What Participants Have Learned is a part of the Course

### DELIVERY FORMAT

- Courses are Offered Through a Mixed Media Format That Utilize Printed Materials, Videos, Video Conference, Demonstrations, Hands-on by Participants, & Written Evaluation.
- Involves "Show-&-Do" Where We Demonstrate Points and then Participants Immediately Practice a Set Play
- Guided Live Debriefing Showing How to Use Objective Metrics to Improve

### HOW TO

- Course Covers the Practical Aspects that Other Courses Leave Out
- How to Provide Clear Cues and Hand-Off
- How to Take Up a Cue Seamlessly
- How to Move When People are In Middle of Their Own Tasks
- How Strong Leadership Must be for Part of an Effective Response
- How Priority of Roles Changes as The Code Response Progresses.

**The Techniques That Are  
Proven to Work!**



### TOC - TEAM OPTIMIZATION COURSE

#### VPS CTOC1

#### VPS CTOC1 - Team Optimization Course 1

CTOC1 focuses on Standard AHA Protocol for resuscitation of cardiac arrest. Course is 6 hours long.

The course combines theory (the science behind why we perform to particular levels of performance) and hands-on practice (students will work in groups and need to perform skills on manikins).

Course includes timings, tips, differences between real run time and mock code. Additionally demonstrates how to use objective feedback from SmartMan RSIM1 to improve team actions for the good of the patient.

This course aims to provide you with knowledge to better understand the skills and team integration necessary to achieve World's Best Practice utilizing SmartMan RSIM1 and your own Defibrillator / Monitor when following the traditional AHA protocol of 30:2. Course covers 2 variations of the standard protocol commonly practiced.

#### VPS CTOC2

#### VPS CTOC2 - Team Optimization Course 2

CTOC2 focuses on Low Volume / High Density Protocol for resuscitation of cardiac arrest. The protocol is supported by Guidelines but is lesser known and followed in fewer places. Course is 6 hours long.

The course combines theory (the science behind why we perform to particular levels of performance) and hands-on practice (students will work in groups and need to perform skills on manikins).

Course includes timings, tips, differences between real run time and mock code. Additionally demonstrates how to use objective feedback from SmartMan RSIM1 to improve team actions for the good of the patient.

This course provides training in how to achieve World's Best Practice utilizing SmartMan RSIM1 and your own Defibrillator / Monitor when following the High Density Protocol (also referred to as ROC, CAM, Pit Crew, Low Volume).

Only choose 1 course

#### REQUIREMENTS

- Must have access to RSIM1.
- Must have at least 6 people together in the same room to use the manikin.
- Must have Internet.
- Course is offered in English. If you require translation you must provide a translator.
- We recommend that you use your own Defibrillator / Monitor with a Rhythm Generator

**Course Completion Certificate provided at the end of these courses.  
It is subject to full attendance and completion of the assessment.**