

**SMART EQUIPMENT**  
SMART INCIDENT COMMAND SYSTEM

FOR  
**TRIAGE**  
THAT  
**WORKS**

**TSG Associates** are the world's leading innovators in triage and mass casualty equipment.

**Our prime objective is to assist emergency medical personnel and rescue teams to manage the incident, communicate with each other, conduct rapid and effective triage and, ultimately, save the maximum number of lives.**

By using the knowledge, experience and best practices we have gained from multiple casualty events all over the globe, we have engineered the Smart Incident Command System.

Designed by rescue professionals, for rescue professionals, this fully integrated system of equipment and training is proven in the field to have a positive impact on all types of disaster and emergency.

Every component of Smart Equipment is made from advanced materials and built, without compromise, to cope with the harshest environments and the most demanding incidents worldwide.

We have a real passion for our products because we know they work.



**Colin Smart**  
**DIRECTOR**



**Simon Pennells**  
**DIRECTOR**

# SMART TAG™

for triage, treatment and tracking™



RECORD VITAL INFORMATION ABOUT TREATMENTS

ENHANCED TRACKING WITH DETACHABLE BARCODED TRANSPORT STRIP

GLOWING LIGHT STICK FOR MAXIMUM VISIBILITY IN ALL CONDITIONS

STAYS ATTACHED TO CASUALTY THROUGHOUT DECONTAMINATION

CLEARLY HIGHLIGHTS INFECTED AND CONTAMINATED CASUALTIES

CLEAR IDENTIFICATION OF PRIORITY

## CBRNE TAG™

The ultimate resource for improving casualty management at scenes suspected to involve **nuclear, chemical or biological agents**. Completely waterproof, the SMART CBRNE TAG™ goes with The SMART TAG™ through casualty decontamination. The SMART CBRNE TAG™ is included as standard in the SMART TRIAGE PAC™.



Patent No. US D550 287S



Now covering...

1 in 4 Americans

- • • • • SMART TAG™
- • • • • TRIAGE, TREATMENT & TRACKING
- • • • • SMART INCIDENT COMMAND SYSTEM
- • • • • [www.smartmci.com](http://www.smartmci.com)

HAT WORKS

[www.kingfishermedical.com](http://www.kingfishermedical.com)

# SMART CBRNE TAG™

for triage that works™

HIGHLIGHTS  
INFECTED AND  
CONTAMINATED  
CASUALTIES

RECORDS VITAL  
INFORMATION

CLEAR  
IDENTIFICATION  
OF PRIORITY AND  
STATUS

PREVENTS CROSS  
CONTAMINATION  
OF VEHICLES  
AND HOSPITAL  
DEPTS

CLEAR  
IDENTIFICATION  
OF MEDICATION  
ANTIDOTES  
GIVEN

ALL RISK TAG  
STAYS WITH  
CASUALTY  
THROUGHOUT  
DECONTAMINATION



## SMART TAG™

The **SMART TAG™** is a very comprehensive all risk Triage Tag available. Highly visible in all conditions, its folding design saves time during triage.



VISIT OUR  
NEW TRAINING SITE  
[www.smartmci.com](http://www.smartmci.com)



•••••™ **SMART CBRNE TAG™**  
SMART INCIDENT COMMAND SYSTEM  
[www.smartmci.com](http://www.smartmci.com)

Patent No. US D550 2875

[www.smartmci.com](http://www.smartmci.com)

# FOR TRIAGE TH

# SMART TAPE™

promoting calm, improving care

**Head Here**

**Instructions for use of SMART TAPE**

1. If the child is "Alert and moving of level" OR "Awake they are Green (Green) priority to evacuation"

2. If the child is NOT "Breaved" then use the tape, as far as possible, to gauge the child's length. In order to determine which set of physiological values to compare the child against, if the child is on the respiratory band use the section for the longer child.

3. A trapped child is an immediate priority (use additional tape can be used to restrain)

4. Infants under 50 cm are a red priority (use additional tape can be used to restrain)

5. The rules on the tape are based on the following: (Use child's forehead)

6. If a child is 100 cm or longer use the 100 cm section.

**Flowchart:**

- Breathing: Yes → IMMEDIATE PRIORITY 1; No → Respiratory Rate
- Respiratory Rate: < 20 or > 50 → IMMEDIATE PRIORITY 1; 20 to 50 → Pulse Rate
- Pulse Rate: < 90 or > 180 /min → IMMEDIATE PRIORITY 1; 90 to 180 /min → Capillary refill
- Capillary refill: < 2 Secs (Use child's forehead) → URGENT PRIORITY 2; Yes → URGENT PRIORITY 2

**100 - 140 cm or 19 - 32 Kg**

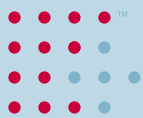
**SUPER TOUGH MATERIAL**

**SIMPLE TO USE**

**PHYSIOLOGICALLY ADAPTED TRIAGE FLOW CHARTS**

**FAST & ACCURATE TRIAGE FOR FIVE AGE RANGES**

**10 YEARS OF VALUED PRE-HOSPITAL SERVICE**



**SMART TRAINING**  
SMART INCIDENT COMMAND SYSTEM

View our new online training site at

[www.smartmci.com](http://www.smartmci.com)



**The only evidence based system for triaging children**

*TJ Hodgetts, J Hall, I Maconochie, C Smart. Paediatric Triage Tape, Pre Hospital Immediate Care 1998.*



**SMART TAPE™**  
SMART INCIDENT COMMAND SYSTEM  
[www.smartmci.com](http://www.smartmci.com)

**WHAT WORKS**

[www.kingfishermedical.com](http://www.kingfishermedical.com)

# SMART TRIAGE PAC™

for triage that works™

CONTAINS ALL THE TOOLS FOR RAPID EFFECTIVE TRIAGE

VELCRO ATTACHMENT FITS ANY DUTY BELT

CONTENTS ARE HELD SECURELY

COMPACT DESIGN FOR EASY

EASY ACCESS TO CONTENTS

## CBRNE TAG™

The ultimate resource for improving casualty management at scenes suspected to involve **nuclear, chemical** or **biological agents**. Completely waterproof, the **SMART CBRNE TAG™** goes with The **SMART TAG™** through casualty decontamination. The **SMART CBRNE TAG™** is included as standard in the **SMART TRIAGE PAC™**.

VISIT OUR NEW TRAINING SITE

[www.smartmci.com](http://www.smartmci.com)



●●●●●™ **SMART TRIAGE PAC™**  
 SMART INCIDENT COMMAND SYSTEM  
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Patent No. US D550 287S

# SMART T.R.I. PACK™

for triage that works™

LIFE SAVING INTERVENTIONS HELD SECURELY AND EASILY ACCESSIBLE

DETACHABLE SHOULDER STRAPS

CONTAINS ALL TOOLS FOR EFFECTIVE TRIAGE

HANDS FREE DESIGN ENHANCES SCENE SAFETY

COUNT YOUR CASUALTIES AS YOU TAG THEM

SECURELY HOLDS SMART TAGS™



## RESEARCH & EXPERIENCE

“The need for rapid treatment at the scene of an MCI remains, without this needless lives are being lost...”

With many years of international experience in Multiple Casualty Incident (MCI) response, we have accumulated research and feedback from historical events on ways to improve survivability from MCI's. Guided and tested by our customers we have developed the SMART T.R.I. Pack™ to make a real difference.

Beaton et al, *The Sarin Gas Attacks on the Tokyo Subway - 10 years later / lessons learned*, Journal of Traumatology (June 2005)



Works with all major triage methods  
**MUCC/SALT**  
**START**  
**SIEVE**

●●●●™ **SMART T.R.I. PACK™**  
 SMART INCIDENT COMMAND SYSTEM  
 ●●●● [www.smartmci.com](http://www.smartmci.com)

**HAT WORKS**

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# SMART COMMANDER™

## for triage that works™

EASY ACCESS TO  
MAPS AND KEY  
INFORMATION

SPACE FOR  
ADDITIONAL  
EQUIPMENT AND  
RESOURCES

PROVIDES A  
STRUCTURED  
RESPONSE TO  
ANY SCENE

DETACHABLE  
INCIDENT CONTROL  
BOARDS ASSIST  
INFORMATION  
HANDOVER

ENHANCES SCENE  
MANAGEMENT

BUILT FOR THE MASS  
CASUALTY ENVIRONMENT

Putting  
your plan in  
your hand



### SMART COMMANDER™

The SMART COMMANDER™ is the ideal tool for any chief or commander. It provides a key component for your training, risk assessment and incident response.

This flexible tool kit has proven to be effective all over the world with additional WMD, fire ground & hospital control boards available of special incident response.

●●●●●™ **SMART COMMANDER™**  
SMART INCIDENT COMMAND SYSTEM  
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[www.smartmci.com](http://www.smartmci.com)

FOR TRIAGE TH



# SMART MCI BAG™

for triage that works™

INSTANT MCI  
GRAB BAG

BACKPACK  
DESIGN TO  
ENABLE EASY  
TRANSPORTATION

TRIAGE FOR  
UP TO 80  
CASUALTIES

COMES COMPLETE  
WITH 4 SMART  
TRIAGE PACS™  
AND A SMART  
COMMANDER™

SPACE FOR  
ADDITIONAL MCI  
EQUIPMENT



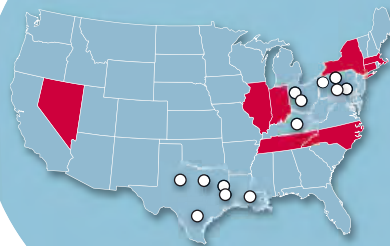
**SMART TRAINING**  
SMART INCIDENT COMMAND SYSTEM

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Now covering...



1 in 4 Americans



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**HAT WORKS**

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# SMART D-NET™

for training that works

PROVIDES ANYTIME,  
ONLINE TRAINING  
IN MCI RESPONSE

ONLINE  
TRAINING  
REDUCES  
COSTS



DELIVERS  
EFFECTIVE  
INTERACTIVE  
TRAINING

1 HOUR CLASS  
WHICH EQUIPS THE  
STUDENT TO BETTER  
RESPOND TO AN MCI

HIGH QUALITY  
TRAINING AT YOUR  
CONVENIENCE

## AUDITABLE RESULTS

Managers within the system have access to the Learning Management System (LMS), allowing them to build teams and invite in other managers and set up students to take part in this unique training.

From a PC, Mac or handheld device managers can see charts and tables of all their staff and monitor progress within the training.

TAKE A LOOK AT  
[www.smartdnet.com](http://www.smartdnet.com)



 **SMART D-NET™**  
SMART INCIDENT COMMAND TRAINING  
[www.smartmci.com](http://www.smartmci.com)

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# FOR TRIAGE TH

# SMART EDUCATION PACK™

for training that works™

COMPLETE WITH SET OF DEMONSTRATION EQUIPMENT

THE IDEAL WAY TO RUN AN MCI TRAINING SESSION

INCLUDES INSTRUCTORS CD AND TRAINING PRESENTATIONS

PROVIDES THREE PRACTICAL EXERCISES AND CASUALTY SCENARIOS

"I strongly feel that the training & the Smart System helped us effectively triage & treat our patients..."

*P. Bashaw, President Essex County EMS Co-ordinator NY*

  
**SMART TRAINING**  
SMART INCIDENT COMMAND SYSTEM

View our new online training site at  
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**SMART EDUCATION PAC™**  
SMART INCIDENT COMMAND SYSTEM  
**[www.smartmci.com](http://www.smartmci.com)**

**WHAT WORKS**

**[www.kingfishermedical.com](http://www.kingfishermedical.com)**

“ The way the tag has evolved has shown thought and analysis of what is needed by the end user.... But, more importantly, it's part of a systemic approach. ”

**James Soto**

ASSOCIATE DIRECTOR - DISASTER PREPAREDNESS.  
BUREAU OF EMS NEW YORK STATE DEPT. OF HEALTH

“ We already had triage tags on our ambulances, but nothing more. The SMART system allowed us to expand our ability to respond to MCI. ”

**Neal Hargrave**

ACADIAN AMBULANCE SERVICE LOUISIANA

“ Smart equipment has been used successfully and extensively by the UK

Defence Medical Services

in recent operations. ”

**Colonel T Hodgetts**

QHP OSTJ MB BS MMED FRCP  
FFAEM FIMCRSCSED FRGS L/RAMC  
SPECIALIST PRE HOSPITAL ADVISOR  
TO THE BRITISH ARMY

“ ...well designed with the EMS provider in mind.

The card design is solid, so it tends to sell itself, but combined with the other stuff, it is tough to beat. ”

**Eric Epley**

EXECUTIVE DIRECTOR, SOUTHWEST TEXAS REGIONAL  
ADVISORY COUNCIL FOR TRAUMA

“ I have been medical incident officer at many multiple casualty incidents, including terrorist bombings and hijackings. The Smart Incident Command System is by far the most practical, well thought out and ultimately relevant range of equipment that I have seen. ”

**Dr Judith M. Fisher**

MB BS FRCP FFAEM FIMC(ED)  
FOUNDER MEMBER OF  
THE WORLD ASSOCIATION OF DISASTER AND EMERGENCY MEDICINE

WHAT  
OUR  
CLIENTS  
SAY

# TRIAGE WORKS FOR:

## UNITED STATES

### State Mandated:

Connecticut

Illinois

Massachusetts

New York

Nevada

Tennessee

Indiana

North Carolina

### Regional users:

Acadian Ambulance

Central Ohio Trauma System

Southwest Texas Regional  
Medical Centre

Region 13 - Pittsburgh

East Texas Medical Centre

SE Pennsylvania - City of  
Philadelphia

## UNITED KINGDOM

### Ambulance Services include:

London

East Midlands

West Midlands

North East

North West

South Central

Yorkshire

East of England

Great Western

Scotland

British Military – All arms including  
Special Forces

Heathrow and Gatwick  
airports

West Midlands Fire Service

West Yorkshire Fire Service

West Midlands Police Service

Shell

British Petroleum

## REST OF THE WORLD

National System of Sweden

National System of  
the Netherlands

National System of Iceland

Canadian Armed Forces

Dublin Fire Service

Princess Cruises

Kabul - Afghanistan

KFOR - Sudan

Kuwait



Albany Works Long Lover Lane  
Pellon Halifax HX1 4QF England  
**T**+44 (0)1422 380097  
**F**+44 (0)1422 357639  
**E** info@smartmci.com



Kingfisher Medical  
P.O. Box 1052, Westerville, Ohio 43086  
**T** 614.568.4000  
**F** 614.568.4002  
**E** customerservice@kingfishermedical.com

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