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**NEWTECH**  
LIFE SAVING SOFTWARE SOLUTIONS

# What is Scenario Based Training (Computer Assisted Training (CAX))



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# What is Scenario based Training

Computer Assisted Exercises (CAX)

## **CAX Player Module**

- An easy to use self training tool
- Built in the standard CBRN-Analysis
- No communication is required
- No specific setup is required
- No instructor is required

The standard program contains one DEMO exercise

Extra exercises must be acquired separately

# Why Scenario based Training Exercises

## Computer Assisted Exercises (CAX)

To maintain operator skills training and exercises must be conducted at regular intervals, but . .

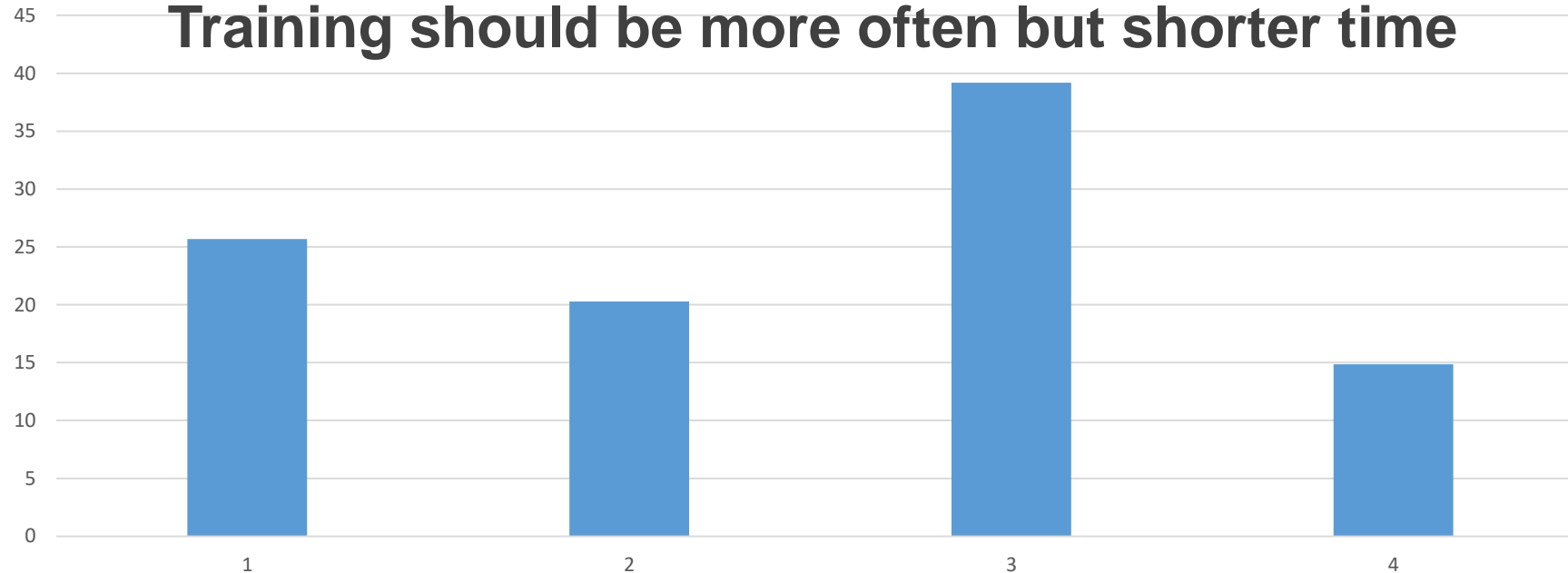
- Many operators are not working full time on CBRN
- Planning realistic training and exercises is time consuming and requires specialist personnel
- A survey (questionnaire) was asked to more than 30 computerized CBRN Centres from different nations during EX Brave Beduin 2015
- The survey showed (among other interesting things) the following information about training

# How often should you practice?

Computer Assisted Exercises (CAX)

**General answers from almost all:**

**Training should be more often but shorter time**



**1. Time/Year  
26%**

**2. Times/Year  
20%**

**3. Times/Year  
39%**

**4. More  
15%**

# How does Scenario based Training Exercises Work

Computer Assisted Exercises (CAX)

## **CAX Player Module**

The CAX Player Module will establish and run a scenario based training exercise with units from all services, maps and incidents in a scale to defend a nation where the player is CBRN-Analysis operator in e.g. a Brigade CBRN-Centre

The CAX Module plays the brigade subordinate, superior and adjacent units and inject messages to react on

For the player it looks like all other units are present to make input and replay to his actions

# How does it Work

Computer Assisted Exercises (CAX)

## CBRN Scenario based Training

- Provides training to CBRN-Analysis operators
- Inputs are given via the program mailbox
- Directions (orders) are given in SITREPs asking the operator to e.g. import drawings, units, destinations etc.
- Injects are weather reports, Units, SITREPs, and CBRN messages to act upon

# How does it Work

Computer Assisted Exercises (CAX)

## **CBRN Scenario based Training**

- Each scenario based exercise will contain an Operations Order (OPS ORD), an exercise map, some databases and CBRN messages
- The operator will handle scenarios and open maps as told in the instructions (given in SITREPs) and import and use databases as required for running the exercise
- The exercise injects can be executed automatically or be controlled by the operator who may decide the time for release of a new inject via an execute icon

# How does it Work

## Computer Assisted Exercises (CAX)

- The player will play and act as the CBRN-Analysis operator in a unit e.g. an army brigade
- Other units e.g. other brigades, air bases, naval units and the commands etc. are played by the CAX module in order to create a realistic exercise scenario for the player
- The injects are made to respond to the players actions expecting him to use correct procedures
- For each step (inject) guides are available if help is needed for the action or procedure to be used
- The final result in form of reports and screen dumps is presented at the end of each exercise



# Scenario based Training Exercises

## Computer Assisted Exercises (CAX)

Based on the survey it is recommended that refresher training of CBRN-Analysis operators and CBRN W&R personnel take place at least every three months

To cover this need, 5 new training exercises are provided each year

- One Introduction Exercise (about 4 hours)
- One Update/Refresher Exercise (between 5-8 hours)
- Three Refresher Exercises (between 5-8 hours)

The three refresher exercises may be made in two smaller exercises where the scenario is continued

# Scenario based Training Exercises

## Computer Assisted Exercises (CAX)

- The **Introduction** Exercise is a repetition of the main program functions to assist the newly trained operator
- The **Update** Exercise is a refresher training exercise, which has a special focus on the new functions within the annual CBRN-Analysis software update. In addition to maintaining the operator skills it also makes sure that new functions are known to the operator
- The **Refresher** Exercises cover a number of training scenarios and refresh the CBRN W&R procedures and how to best achieve these with CBRN-Analysis