

**Beaconsim** is the global leader in simulator systems for critical communications such as TETRA, LTE, P25, DMR and dPMR.

**Beaconsim** simulators can be used for several purposes:

- **Training** of radio users, dispatchers, ERC operators and/or field command
- **Planning and definition** of fleet maps and other radio and system parameters
- **Planning and testing** of communication plans and SOP's
- **Testing** of end-to-end functionality of C&C, dispatching, field command and data applications and their integration to API and PEI interfaces.

**Beaconsim ONE** is a self-learning system for radio users with interactive radio simulators and it enables fast training of large organizations. Learning targets can be defined and results measured. Text, pictures, video and audio are accompanied by simulator demos and exercises with which users learn at their own pace whenever they have time. Simulators can be adjusted to have the likeness of real radios, with the right talk groups, folders and other settings. Users receive feedback on their learning and get a certificate after they have reached the required level. If simulator tests are repeated for example annually they can be used as a prerequisite for a user license or for attending a simulator drill.

Below some student views of Beaconsim ONE:



The image displays six screenshots from the Beaconsim ONE simulator interface, arranged in a 3x2 grid. Each screenshot shows a different training module or exercise within the simulator.

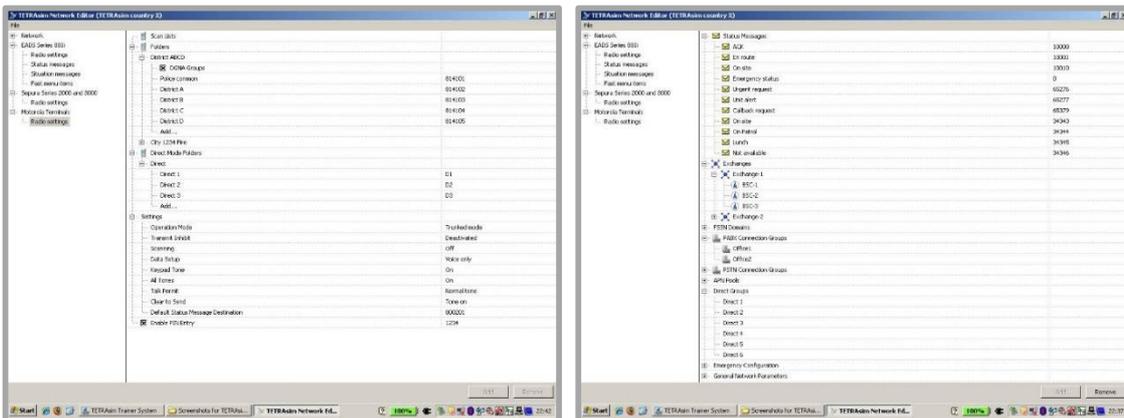
- Top Left:** A slide titled "In this chapter you will learn" listing topics such as "How to power on the radio", "Adjusting the volume", "Navigating the main menu", "What are talk groups and how to change them", "What are folders and how to change them", and "How to make group calls". It includes an image of a building on fire.
- Top Right:** A slide titled "Navigating the main menu" showing a Motorola radio and a list of instructions: "Access the main menu by pressing the Menu Key, located in the middle below the display", "Move around with the Four-Way Navigation Key and use the Soft Keys to enter in and out of menu items", and "You can press the red On/Off/End/Home Key to return to the idle mode from anywhere in the radio". It also includes a practice instruction: "Try navigating the menus now: Go to the Setup menu to advance in the course."
- Middle Left:** A slide titled "Talk Groups" explaining that "Group calls enable immediate communication between talk group members", "In a group call, you can talk simultaneously to a large number of people", "In a group call only one person can talk at the time, others are listening", "The advantage of a talk group is the simultaneous spreading of the information to its members, and this allows receiving real time updates on the situation", and "One group is always selected on the radio. You can change the group according to the situation." It includes an image of workers in safety gear.
- Middle Right:** A slide titled "Initiating a Group Call" showing a Motorola radio and instructions: "To initiate a group call, press and hold the PTT button located on the left side of the radio", "Keep holding down the PTT button. You can start talking after you hear a beep from your radio", and "Initiate a group call to the selected group! Well done!".
- Bottom Left:** A slide titled "Example of a graded exercise" showing a Motorola radio and instructions: "Change to group ALPHA 3 with the arrow keys", "Initiate a group call to the group ALPHA 3", and "Now use the lock icon to finalize your answer".
- Bottom Right:** A slide titled "Quiz" with a question: "Which call type enables communication with more than one party?". It provides three options: "Direct Call", "Group Call", and "Direct Mode". Below the options is a "Thank you for your answer" message and an image of workers in safety gear.



**Beaconsim TEAM** is a perfect match for **XVR On Scene** Virtual Reality system. Together these two products form a full simulation for decision making, field command and communication training. Simulated drills are an effective and cost-effective way to rehearse standard operating procedures and ensure the best possible behavior in real situations.



**Beaconsim PLAN** is a virtual radio network which can be parameterized in several ways with various fleet maps, talk groups, folders and other radio and system parameters. It is disconnected from the real network and thus cannot disturb it in any way. It can be used for planning of parameters, testing the effects to radio users or dispatchers. It is possible to create several virtual networks which can be shown as a demo to user organizations and using them as a basis for decision making before making the final changes in the real network. Beaconsim PLAN's virtual network can be also used for planning of communication plans and SOP's and testing them. When using it as a tool in change processes it shortens acceptance at user organizations and also reduces expensive iterations in the real network.



**Beaconsim LAB** is a flexible virtual testbed for all applications, functions and services of the network. It is an alternative for manufacturers' testbeds especially at the beginning of the development and it reduces the time needed for development and testing and cost for travelling. The system has features which support development and testing work: multiple virtual network/radio settings, load testing, different API and PEI simulator versions for integration.



**Beaconsim** has delivered simulator systems to 28 countries in Europe, Middle East, Asia and Africa. Its solutions are available with any Motorola radio and interface simulator, in any language.



Did we spark your interest? You find more information and a demo at [www.beaconsim.com](http://www.beaconsim.com)

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