

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

Beaconsim simulators are 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.

Beaconsim ONE is installed at a server and its courses are used from any PC, laptop or tablet and it does not require any special program installations – a browser suffices.

Below some student views of Beaconsim ONE:



The screenshots show the following content:

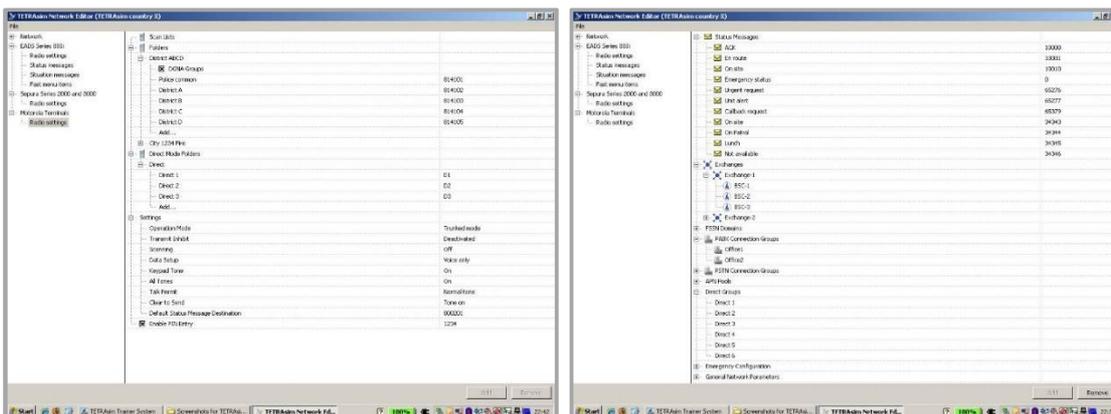
- Slide 1:** "In this chapter you will learn" with a list of topics: How to power on the radio, Adjusting the volume, Navigating the main menu, What are talk groups and how to change them, What are folders and how to change them, and How to make group calls. Includes an image of a building fire.
- Slide 2:** "Powering on the radio" with instructions: "Press and hold the Power On/Off button." and "The button is the lowermost button on the left side of the radio, on the same side as the PTT button." Includes a note about button highlighting.
- Slide 3:** "Talk Groups" with bullet points: "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." Includes an image of emergency responders.
- Slide 4:** "Initiating a Group Call" with instructions: "To initiate a group call, press and hold the PTT button located on the left side of the device" and "Keep holding down the PTT button. You can start talking after you hear a beep from your radio." Includes a note: "Initiate a group call to the selected group!"
- Slide 5:** "Navigating the main menu" with instructions: "Access the main menu by pressing the middle selection key, located between the scroll keys", "Move around with the scroll keys and use the selection keys to enter in and out of menu items", and "You can press the red telephone key to return to the idle mode from anywhere in the radio." Includes a try-it exercise: "Try navigating the menus now. Go to the Settings menu to advance in the course." Includes an image of a radio.
- Slide 6:** "Quiz" with the question: "Which call type enables communication with more than one party?" and options: "Group Call", "Direct Call", and "Direct Mode". Includes an image of emergency responders.



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 Airbus radio and interface simulator, in any language.



Did we spark your interest?
You find more information and a demo at www.beaconsim.com

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