One of the main goals of the Human Resource Development Department, together with the Department of Radiation Protection and Safety, is to give employees fundamental knowledge, refreshing know-how and increasing safety awareness. Safety in this regard is considered for risks in operating nuclear facilities, including radiation, industrial risks and fire. Israeli Work Supervision (informing and training employees 1999) and work safety regulations (industrial safety and health for ionization radiation employees) states the need for training by the employer at least once a year. The employer also must take means to verify that the employees actually understood what they were trained for.

A radiation employee is someone who uses radioactive materials, radiation-producing machines, or anyone who might be exposed to ionizing radiation (e.g. employees of a nuclear center). According to the rules in Israel, there are two kind of radiation employees: the “radiation workers”, who use radioactive materials or radioactive machines and the “administrative employees” (all the other employees). The training of a radiation worker is an integral part of the radiation safety program and in compliance with regulations and procedures.

The Department of Human Resources and Training in the Nuclear Research Center, Negev, in collaboration with the Department of Radiation Protection and Safety used to organize different kinds of training and refresher courses for different aspects of safety in nuclear centers (radiation safety, biological effects of ionizing radiation, industrial safety, fire fighting, emergency procedures, etc.). All “radiation workers” received a training program of several days in all these subjects, each year. The “administrative employees” received a shorter training, each second year. The training included only frontal lectures and no quiz or exams were done. No feedback of the employees was received after the training, as well.

Recently, a new training program was developed by the NRC-Negev and the CET (Center for Educational Technology), in order to perform the refresher courses. The training includes CBT-s (Computer Based Training), e.g. tutorials and quiz. The tutorial is an interactive course in one subject, including animations, video films and photo stills. The employee gets a simple and clear explanation (including pictures). After each tutorial there is a quiz which includes 7 American style questions.

In the following lecture different parts from two of the tutorials used for the refresher courses, will be presented.