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## CENTRAL INTELLIGENCE AGENCY

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#### Parachuting in the Polish Air Force

#### General Information

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In 1955, a new regulation was implemented in the Polish Air Force (PAF) to the effect that all rated personnel must perform a minimum of one parachute jump per year. Prior to this date, jumping had been on a voluntary basis only. Besides rated per-sonnel, there were two additional categories of individuals in the PAF who were compelled to perform parachute jumps: jump in-structors and parachute riggers. Instructors, who normally were officers and in a unit carried the title of "chief of parachute duty" (szef sluzby spadochronowej), had to perform a minimum of 10 jumps per year. Riggers were compelled to jump twice a year. As for voluntary parachute jumping, all air force personnel were authorized and encouraged to do so. Of all non-rated enlisted personnel, guards (wartownicy) had priority in attending para-chute courses and in executing jumps. This was stributed to the fact that, of all the air force personnel, their duty was considered the least glamorous. Consequently, if allowed to jump, it was felt that their morale would be raised. It was also believed that since guards received infantry-type basic training, they could be converted into paratroops easily if it should become noncessary.

#### Parachute Jump Training

Parachute Jump Training There was no official perachute jump school in the PAF. However, the Air Force Office: School in Deblin possessed a parachute branch where future chiefs of parachute duty were trained. The course lasted about six months, during which time they performed 10 jumps utilizing both free-fall and static-line parachutes. Students at the school's parachute branch were generally infantry officers who volunteered for such duty. One jump school did exist in Poland, but it was used exclusively to train avmy para-troopers. The school was located in the vicinity of Kolobrzeg (N 54-11, E 15-35). Air force personnel received their basic jump training either in their own particular units or while attending specialized schools. Before 1955, jump training at the Deblin Pilot School consisted strictly of ground exercises, unless certain individuals volunteered to perform actual jumps. The training's ground phase included exits from mock-ups, para-chute landing falls from a platform, and theoretical studies. After the new regulation was implemented, cadets were required to perform one jump before graduation. The same prevailed for all other rated personnel. However, the parachute jump training conducted in these schools was relatively minor in comparison with that given in units. Furthermore, regardless of an indivi-dual's jumping accomplishments in school, he was compelled to complete the unit's basic jump training before being permitted

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to have about two hours of ground training each month. Basic jump training conducted in units lasted approximately 14 days at the rate of two hours per day. The ground phase in-cluded both static-line jumping for proficiency purposes, and free-fall technique during emergencies. Only rated personnel received free-fall instructions. Training for proficiency jumps was conducted by the unit chief in charge of parachute duty. It included lectures, ground practice, and actual jumps. During the lectures the various parachutes in use, along with their charact-eristics, were described. Various other aspects peculiar to parachuting, such as wind velocities, rates of descent, and oscillation were covered also. Ground practice consist of exitu-from mock-ups; parachute landing falls from a two-and-one-hal? meter high platform; riser manipulation from a suspended aid; and parachute rigging. All jumpers in the PAF had to be able to pack their own chutes. Except for the parachute landing falls, there was no special physical conditioning during the course. The normal PT and gymnastics given in the unit were considered ouffi-cient. Training for emergency free-fall jumping was conducted partially by the chief of parechute duty, who described the various parachutes used for this purpose, and by the deputy commander for pilotage, who described the actual jump procedures as well as the seat ejection principle if the particular unit was equipped with jet aircraft.

#### Jump Procedures

There were three basic procedures used for parachute jumping in the FAF: static-line, free-fall, and free-fall along with seat-ejection. A detailed description of each procedure is as follows:

Static-Line Parachute Jumping. As stated previously, this type of jumping was used for proficiency purposes. These jumps were normally accomplished throughout the rAF from PO-2 type aircraft with PD-6 type parachutes. The entire ground practice given in a unit was geared to jumping from PO-2s only, unless the unit was equipped with some other type of jump airplane. In this case, which was rare, the training was extended to include the other type of aircraft. All units possessed one or more ru-2s; they were economical to operate and besides being transport aircraft, they were the most adaptable for static-line jumping. The majority of proficiency jumps were generally executed from PO-2s at altitudes of from 800 to 1200 meters, and at air speeds of about 80 kilometers per hour. The maximum wind velocity permitted was unrecalled. Since the PO-2 was a two-seater, exit procedures were rather complicated. The jumper had to step out from the front cockpit (the pilot sat in the rear) onto the left lower wing, after having fastened his static-line in the cockpit to a steel bar normally gripped by pilots а.

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50X1-HUM square meters; and was vent free. The static line (length unrecalled) was of cotton fabric and was fastened to the apex of the canopy with a loop which would undo itself dur-ing the activation process. The parachute was equipped with 24 suspension lines, each line having a tensile strength of 150 kilograms. The risers, pack, and harness were of cotton fabric. The straps were secured with a quick-release box. The chute, which had a total weight of 12 kilograms, was conventionally deployed. The static line ripped open the pack; pulled out the canopy and the shroud lines; and then detached itself from the canopy upon the completed extension of the shroud lines and canopy. Deployment time was about two seconds. The PD-6 parachute could be jumped safely from an altitude of 150 meters, and its rate of descent was from four to seven meters. 50X1-HUM however, during paratroop drops from Douglas aircraft (C-47), a minimum air speed of about 145 kilometers per hour was utilized. It was the prevailing general opinion that the PD-6 was a good parachute with a safe de-ployment system and slow rate of descent. However, it was bulky and heavy, measuring about 70 x 35 x 25 centimeters, and it had a tendency to oscillate quite heavily. Parachute PD. A chest-type, manually activated chute, used exclusively as a reserve parachute for jumps performed with the PD-6. It was prescribed by regulations that all non-emergency jumps had to be erecuted with both the main and reserve parachutes. The PD was lighter and smaller than the PD-6. Its pack was rectangular in shape and was worn with the length in a vertical position. It was attached to the harness of the PD-6 with two snap fasteners which were hooked to two D-rings. As one faced the jumper, his rip cord was located on his pack's upper right corner. h. Parachute PI. A manually activated free-fall type chute, with a flat circular canopy. It was used in the PAF pri-marily for emergency jumps from conventional type aircraft. The canopy was made of percale (perkal); consisted of seven panels; and had a surface of 36 square meters. It was equipped with a vent at the apex. Although it was available with both back and seat packs, the latter model was the more common. The chute was equipped with 28 suspension lines (fabric, length, and tensile strength unknown), a cotton harness, and risers. The pack was of cotton fabric; the chest and leg straps were also made of cotton and were secured to a chest quick-release box. The total weight of the chute was 10 kilograms. The pack of a seat-type measured approximately 55 x 40 x 25 centimeters. It had an average rate of descent of seven meters per second, and it needed about three seconds с. C-O-N-F-E-D-E-N-T-I-A-L





