

MEMORANDUM OF UNDERSTANDING

CONCERNING USE OF RANGES AND TRAINING FACILITIES
BY UNITED STATES FORCES IN THE SLOVAK REPUBLIC

BETWEEN

THE GOVERNMENT
OF THE UNITED STATES OF AMERICA
AS REPRESENTED BY THE UNITED STATES AIR FORCES
IN EUROPE

AND

THE GOVERNMENT
OF THE SLOVAK REPUBLIC
AS REPRESENTED BY THE MINISTRY OF DEFENSE

Article I

Purpose and Scope

The purpose of this Memorandum of Understanding (MOU) between representatives of the Government of the United States of America and the Government of the Slovak Republic is to specify the terms and conditions under which the Armed Forces of the United States (hereinafter referred to as the "United States forces") may use designated Slovak Republic Territory, airspace, and training facilities listed in the training airspace marked as LZR 22 in conjunction with their training under this MOU.

Article II

Personnel

1. *The Agreement among the States Parties to the North Atlantic Treaty and the Other States Participating in the Partnership for Peace Regarding the Status of their Forces (hereinafter referred to as "PfP SOFA") which incorporates the provisions of the Agreement between the Parties to the North Atlantic Treaty Regarding the Status of their Forces (hereinafter referred to as the "NATO SOFA") shall apply to the United States forces, member of the forces and the civilian component who are in the Slovak Republic in connection with this MOU.*

2. Members of the United States forces and the civilian component (hereinafter referred to as "United States personnel") shall be required upon their arrival in the territory of the Slovak Republic to have a valid passport or an identification card issued by the United State forces, which will include name, surname, date of birth, rank, and an identification number; however they shall be exempt from any requirement for visas. United States personnel shall be required to present the identification card or a valid passport to authorities of the Slovak Republic upon request.

3. In accordance with the PFP SOFA, (Article IV of the NATO SOFA) authorities of the Slovak Republic shall accept as valid the drivers' licenses issued by the United States Government or any subdivision thereof without a requirement for additional driver tests or fees.

Article III

Air Operations

1. The MOD agrees to allow United States forces unescorted access to ranges bases, and training airspace for training by United States forces and armed forces of other NATO States. Detailed rules and standard operating procedures (SOPs) for each type of training shall be established as required by a Combined Scheduling and Administration Group (CSAG) in accordance with Article IV of this MOU.

2. The MOD authorizes the United States forces to use designated ranges for training requirements, to include day and night, high and low level operations, day and night conventional weapon deliveries, strafe and inert rockets, chaff and flares, and full-scale conventional weapons deliveries, including lasers, laser-guided and inert munitions, and live drops. The United States forces shall provide to the MOD a list of munitions brought into the Slovak republic for use on the ranges.

3. Aircraft operated by or on behalf of the United States forces shall not be subject to the payment of landing or parking fees, navigation or overflight charges, or other use charges while in the territory of the Slovak Republic. The United States forces shall pay reasonable charges for services requested and received.

4. To accommodate their training and safety requirements, United States forces may perform minor construction on, or in the vicinity of Malacky Air Base.

Article IV

Combined Scheduling and Administration Group

1. To coordinate matters concerning range control, operating procedures, and scheduling, a Combined Scheduling and Administration Group (CSAG) shall be formed. The CSAG shall be co-chaired by, and composed of, representatives from USAFE and the MOD, or designees thereof, as appropriate.

2. The CSAG shall meet as agreed, but at least semi-annually to discuss scheduling of future range use.

3. The CSAG shall be responsible for:

(a) Establishing the geographic boundaries of appropriate training areas and flight corridors, including the designation of low level and close-to-surface flight corridors and operating areas,

(b) Formulating a long-range schedule for training activities and exercises,

(c) Issuing SOPs for airspace and range/facilities use, cooperative training, and submission of training requests.

Article V

Scheduling

1. The United States forces and the MOD shall sign an annual schedule of cooperation that shall include proposed dates of training. This schedule shall be updated as required. In the event of proposed change of training dates the United States forces shall normally provide notification to the MOD

concerning its requirements for that month at least by the 10th day of the previous calendar month.

2. Notices/requests shall be made using the format specified by the CSAG. If at the time of notification by the United States forces use of the range has already been scheduled for the Slovak Republic Armed Forces, the MOD shall make the range available to the United States forces at the earliest available time thereafter.

3. The MOD shall ensure appropriate range operations personnel are assigned for duty during all periods of training by the United States forces. This includes a Range Control Officer, scoring crew, and any other operations or maintenance personnel deemed necessary by the CSAG.

Article VI

Range information

1. General Boundaries

(a) Location: The range is 5 NM northeast of the town of Malacky, 5 NM north of the Malacky Airfield, and 19 NM north of the capital of Bratislava.

(b) Altitude: Surface to FL 245 for LZR 22 range, and FL 245 to FL 510 for LZR 13.

(c) Subdivisions: The range consists of six impact areas of which area B is reserved for aircraft use. The area B impact area is approximately 3.3 KM by 2.8 KM oriented on a 070 magnetic heading and includes both conventional and tactical targets.

(d) Restrictions: Run in heading to the range is restricted to 070 or 250 degrees magnetic, ± 5 degrees. The primary attack heading is 070 degrees magnetic. Aircraft must maintain 3,300 feet AGL over the town of Studienka and Veľké Leváre for noise abatement. During the attack aircraft will

maneuver so that the state border and identification zones are not entered. Aircraft will also avoid the air routes and the air traffic control zone of the airport at Malacky. Maneuver is approved by the commanding officer of 3rd Air Force and Air Defense Corps in accordance with the directive for shooting on area B.

2. Targets and Coordinates

(a) Range Boundaries : See chart below.

(b) Facilities: Use of the range facilities must be coordinated with the MOD during a monthly meeting hold to coordinate airspace usage including ranges.

(c) Scoring Capabilities: Currently scoring is done visually from a single tower located on the east side of the range. Scoring is available on the two rocket targets.

(d) Targets available:

(i) Strafe targets consist of an array of 4 by 4 targets with a width of 300 meters and a length of 500 meters. The northwest row being the outline of four Canberra aircraft.

(ii) Rocket targets are east of the strafe targets and consist of an armored personnel carrier and rings of 40, 90, and 150 meters.

(iii) Live drop impact area in the center of the range in the middle of a cratered out area.

3. Coordinates.

	UTM Grid 33U-PK	Lat/Long
TOWERS		
Main Tower	0656875 5370210	48° 27.928' N 017° 7.334' E
Second Large Tower	0655060 5373450	48° 29.702' N 017° 5.934' E
Small Wood Tower	0657675	48° 29.009' N

SE edge of range	5372236	017° 8.028' E
Small Metal Tower	0657305	48° 28.246' N
SE edge of range	5370812	017° 7.696' E
TARGETS		
Bomb Circle	0657110	48° 28.857' N
	5371940	017° 7.563' E
APC	0657603	48° 38.762' N
	5371756	017° 7.321' E
Pillar (4)	0657685	48° 29.008' N
	5372235	017° 6.036' E
Pillar (5)	0657603	48° 29.113' N
	5372427	017° 7.974' E
Rocket Circle	0656954	48° 28.403' N
	5371094	017° 7.418' E
Rocket Circle	0656967	48° 28.510' N
		017° 7.433' E
RANGE BOUNDARIES		
Corner A	0656010	48° 28.022' N
	5370360	017° 6.635' E
Corner B	0655730	48° 28.492' N
	5371225	017° 6.428' E
Corner C	0655315	48° 28.409' N
	5371060	017° 6.087' E
Corner D	0655060	48° 28.786' N
	5371760	017° 6.131' E
Corner F	0655350	48° 29.121' N
	5372380	017° 6.145' E
Corner J	0655570	48° 29.455' N
	5373005	017° 6.338' E
Corner K	0657700	48° 29.809' N
	5373720	017° 8.082' E
Corner L	0658649	48° 28.541' N
	5371396	017° 8.800' E

(a) Operating schedule and times. Open weekdays when scheduled during the monthly range meeting. Times are determined in the meeting.

(b) Prior Coordination Range shall be scheduled in advance during the monthly range scheduling meeting.

Article VII

Authorized Ordnance

1. Strafe. 20 mm and 30 mm are authorized, TP only.
2. Practice Ordnance. Authorized on all targets.
3. Inert Bombs. Inert bombs are authorized on all targets without weight limit.
4. Live Bombs. Live bombs must be dropped in the live impact area. The weight restriction is 1,100 lbs maximum.
5. Rockets. Rockets are authorized on the rocket targets. Warheads shall be TP or WP only.
6. Laser. Laser approved targets will be identified and only those targets may be illuminated.
7. Missiles are only authorized on the live bomb target.

Article VIII

Authorized Deliveries

1. Level deliveries with high or low drag munitions up to 1,100 lbs.
2. Dive deliveries with high or low drag munitions up to 1,100 lbs.
3. Loft deliveries up to a maximum of 20 degrees left angles with training ordnance up to 525 lbs.

4. Tactical deliveries with high or low drag munitions up to 1,100 lbs.
5. Strafe during daylight hours only.
6. Night deliveries with training ordnance. When the weather is dry and in the summer, only under electrical illumination. Illumination flares of any type are not permitted.
7. Airspace may be allocated for deliveries as high as FL 510.

Article IX

Range Entry Procedures

1. After take off from runway 02 climb to 5,700 feet MSL or 1,500 meters QFE and turn left to enter downwind for range entry.
2. After take off from runway 20 turn right climbing to 5,700 feet MSL, or 1,500 meters QFE to enter the pattern.
3. Range Entry: Range entry is accomplished by entering crosswind at 5,700 feet MSL, or 1,500 meters QFE, just north of the town of Rohožník. Check in with the range (callsign ERABURA) on 118.25 which is shared with Malacky Airbase tower. UHF only aircraft will use a previously identified UHF frequency.

Article X

Target Area Descriptions

1. Conventional Bomb Circle
 - (a) The bomb circle must be used for bomb deliveries.
 - (b) The conventional bomb circle may also be used for rocket deliveries.
 - (c) Rocket targets consisting of an armored personnel carrier and rings of 40, 90, and 150 meters may also be used for inert bomb deliveries.

(d) Rocket targets may be used for rocket deliveries of up to 80 mm in accordance with paragraph 2c.

2. Low angle Strafe Targets

(a) Target Details. Strafe targets consist of an array of 4 by 4 targets with a width of 300 meters and length of 500 meters. The northeast row being the outline of four Canberra aircraft.

(b) Attack Details. Heading must be 070 degrees magnetic. Rows are numbered from left to right 1 to 4.

(c) Row A, B, C.

Each row has 4 ellipses and 4 rectangles with dimensions:

ELLIPSE 7 x 13 m

RECTANGLE 3 x 10 m

Distance between the centers for the ellipse and the rectangle is 20 m. Distance between centers of the ellipses is 80 m, the same distance is between the centers of rectangle.

(d) ROW D.

Canberra airplane shaped targets from left to right 1 to 4 with spans of 35 m and length of 35 m. Distance between the airplane center bisectors is 80 m. Non-guided air rockets are allowed to be shot only to the rocket circles for safety reasons.

3. Basic Flight Patterns

(a) The basic flight pattern for the attack heading 070 degrees magnetic is to the left.

(b) Switch policies. The master arm must be safe until aircraft is aligned on the attack heading so inadvertent release will cause the bomb to impact on the range.

Article XI

Tactical Flight Patterns

Tactical flight patterns may be flown in the left hand pattern. Toss patterns shall remain within the ADIZ. Patterns shall not be flown west of the Malacky to Velké Leváre highway. Master arm shall be switched on during a clearing pass prior to the first toss.

Article XII

Range Exit Procedures

All aircraft will confirm armament switches are placed in the safe position prior to exiting the range airspace. Returning to base, the range is exited from the base position of the tactical bombing pattern. The base traffic pattern shall be entered on outside downwind abeam Malacky at 1,219 meters QFE (4,000' QNH) for recovery on runway 02 or overfly airfield at 1,219 meters QFE (4,000' QNH) to enter. Descend to 1,003 meters QFE (3,000' QNH) to enter the airfield pattern. Range may also be exited to the north after coordination with Malacky Radar.

Article XIII

Administration and Control

1. Communications

(A) Call Sign: ERABURA

(B) Frequencies

(i) Primary: 118.25

(ii) Secondary: To be assigned

2. Controlled Airspace: TMA Malacky from 1,000 meters (3,300 feet) AGL to FL 125.

3. Noise Abatement: Avoid overflight of Velké Leváre or Studienka below 1,000 meters AGL (3,300 feet).

4. Weather Minimums: As prescribed by Directives for Range Use in the Military Training Area Záhorie and Directives for use of the specific aircraft type.

5. Emergency Procedures

(a) Hung Ordnance. Switches shall be safed. Discontinue range operations, and proceed directly to Malacky Airbase for a straight-in approach. Avoid overflight of populated areas. With live munitions, all attempts shall be made to jettison the ordnance over the range impact area prior to departure.

(b) Unintentional/Inadvertent Releases. Weapons shall be safed, and range operations shall be discontinued. Should the reason for the inadvertent release be identified, it shall be at the discretion of the Range Control Officer as to whether or not weapons delivery can continue.

(c) Runaway Gun. Recover the aircraft and check to a heading of 050 until the gun is empty. Discontinue range operations and recover to base.

(d) Radio Failure. Proceed at 1,000 feet AGL level by the main tower rocking wings. Range personnel shall alert Malacky of the radio failure. Recovery should be a straight-in to the last known active runway.

(e) Emergency Divert. Primary divert is Malacky Airfield. Should that field be closed for any reason, the preferred divert field is Sliač airfield 80 NM east of the range. Other emergency airfields are Piešťany airfield or Trenčín airfield, which are only 100' Slovakian airfield.(100' wide and 6,500' long).

(f) Crash Rescue. Rescue crews from Malacky airbase will be scrambled by road to the range and coordination will take place. If necessary, a rescue

helicopter shall be coordinated through Malacky airfield via the rescue coordination center. All aircraft airborne shall be recalled to base and should land as soon as possible upon notification.

Article XIV

Combined Operations

1. Scheduling.

When mutually acceptable combined operations between the USAF and Slovakian Air Force may be scheduled at the monthly range scheduling meeting.

2. Operations Rules.

These operations shall be precisely defined during combined planning meetings, and shall conform to the more restrictive operating rules of either of the air forces. Dissimilar-Air-Combat-Tactics (DACT) missions shall be briefed and flown in accordance with the Partnership for Peace (PfP) accepted safety rules, "Fighting Edge", both nations being PfP members.

3. Briefings.

All planned combined operations shall be briefed among the participants.

Article XV

Implementing Arrangements

The Parties may enter into implementing arrangements for the provision of logistical support, as may be required under this MOU.

Article XVI

Entry into Force, and Duration

1. This MOU shall enter into force upon the signatures.

2. The duration of this MOU shall be one year. Thereafter it shall be extended for an additional year unless one of the Parties notifies the other in writing, at least three months prior to the end of the initial one-year period, of its intent to terminate it, or of its desire to renegotiate this MOU.

Done at7th...day of February 1999 in duplicate, in the English and Slovak languages, both texts being equally authentic.

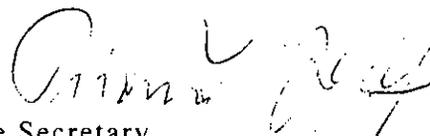
BY:

BY:



Commander
United States Air Forces
in Europe

For the Government
of the United States of America



State Secretary
Ministry of Defense

For the Government
of the Slovak Republic