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|  | **48th BATTALION**  **SINGAPORE ARMOURED REGIMENT** |
| **480 SUNGEI GEDONG RD SAF ARMOUR CENTRE SINGAPORE 718844 TEL: 67965548 FAX: 67965562** | |

2nd April 2017

**ADMINISTRATIVE INSTRUCTIONS FOR 1ST COMPANY ADVANCE MAIN RANGE (AMR) AT OBERLAUSITZ MILITARY TRAINING AREA (OMTA) RANGE 2 ON 3rd APRIL 2017**

**GENERAL**

1. 1ST Coy, 48 SAR will be conducting Advance Main Range Day at Oberlausitz Military Training Area Range 2 on 3rd April 2017 for all medically fit and technically qualified servicemen of 1st Company.

**INSTRUCTIONAL OBJECTIVES**

1. Performance.
   1. To familiarize the Tank Crewmen to the foreign terrain and prepare them for the subsequent Tank Platoon and Tank Company Live-Firings.
   2. To develop the confidence level and morale of the Tank Crew.
2. Values.
   1. Professionalism. To enhance the operational readiness of the Tank Crew and to improve the realism of the live-firing system.
   2. Fighting Spirit. To build the resilience of the Tank Crewmen by exposing them to the high-paced and adaptive Armour Live-Firing System.
3. Leadership.
   1. To enhance the Tank Commander’s mission competency by training them to execute effective command and control with clear and concise voice procedures.
   2. To develop the Tank Commander’s target acquisition ability in order to swiftly engage enemy targets.

**APPOINTMENT HOLDERS**

1. The appointment holders are as follows:
   1. Conducting Personnel.

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| **S/N** | **Appointments** | **Rank & Names** |
|  | Supervising | CPT CLIFTON YEO |
|  | Conducting | LTA LEE G HAO |
|  | Chief Safety | 2LT WESLEY SEE TOH |
|  | Assistant Chief Safety | 2LT LOH WAN YUAN |
|  | Admin & Detailing OIC | 3SG GOH JUN WANG |
|  | Vehicle/Lane Safety Officer | AS PER DETAILED |
|  | Range Sergeant Major | 3WO LOH ZHI WEI |
|  | Assistant Range Sergeant Major | 3SG GOH JUN WANG |
|  | Ammunition OIC | 1SG HENG LIN JIUNN |
|  | Company Master Gunner  Advisor | 3WO LOH ZHI WEI |
|  | Scoring OIC  Scoring IC | 3SG GEORGE TEO  3SG AARON CHIA |
|  | ‘A’ Vehicle IC | 2SG ALEX CHEONG |

* 1. Auxiliary Personnel.

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| **S/N** | **Appointments** | **Rank & Names** |
|  | Store/Ration IC | 3SG LIU JIA HAO |
|  | Signaller | AS PER DETAILED |
|  | Technicians | AS PER DETAILED |
|  | Duty Medic | AS PER DETAILED |
|  | “B” Vehicle Drivers | AS PER DETAILED |

**LOCATION**

1. OMTA RANGE 2, GERMANY

**GROUP OF PARTICIPANTS**

1. All physically fit and technically qualified tank operators from 1st Coy, 48 SAR.

**ADMINSTRATION**

1. Signal equipment required are as follows:
   1. For Conducting Staff.
      1. VRC 947 (A) OUV/Rover Set - 03
      2. PRC 940 (A) Manpack Set - 04
      3. Walkie Talkie - 14
   2. For Participants.
      1. VRC 947 (A) “A” Vehicle Set - 11
      2. CVC Helmet - 44
2. Signal Frequency are as follows:
   1. Frequency 1: 64.850 MHz (Battalion Net)
   2. Frequency 2: 67.175 MHz (Company Net)
   3. Frequency 3: 61.000 MHz (Safety Net)
   4. Frequency 4: 54.175 MHz (Admin Net)
3. Equipment, and Training.
   1. Weapons.
      1. 3 x Pengun.
   2. Optics.
      1. 1 x 120mm Binoculars with Stand.
      2. 6 x “10 x 50” Binoculars. (For Conducting only)
      3. 11 x “8 x 30” Binoculars (For commanders only)
   3. Attire. The attire that the Conducting and Crews to be in are as follows:
      1. For Conducting.
         1. Tank coverall
         2. Helmet
         3. Ear plugs
         4. FAD and ID Tag
         5. Torchlight.
      2. For Crews.
         1. Tank coverall
         2. Helmet
         3. SBO1
         4. Ear plugs
         5. FAD and ID Tag
         6. Torchlight.
4. Ammunition, Explosives and Pyrotechnics. The ammunition requirement is as per ammunition scale. All ammunition is to be distributed before the execution of the Live Firing for each crew. The appointed ammo I/C is to ensure the proper distribution, accounting and collection of expended and unexpended ammunition.
5. Ration. Fresh ration will be consumed throughout the exercise.
6. Transport. The Admin OIC will oversee the transport requirement for the conducting staff and safety officers/specialist. The Admin OIC will also be in charge of them.
   1. A-Vehicles:
      1. L2-SG - 11
   2. B-Vehicles:
      1. 3 x 5-Tonner
         1. GE store, ration and sentry posting
      2. 3 x OUV with signal set
         1. Supervising Officer
         2. Conducting Officer
         3. Chief Safety Officer
      3. 1 x SUV
7. Others.
   1. Medical Equipment.
      1. Hypothermal Kit
      2. 2 x Thermal Blanket
      3. 10 x Heat Packs
      4. Ice Box / Cambro with ice and 12 small plastic bags for ice and 2 sponge

**MEDICAL SUPPORT PLAN**

1. The medical support plan must reference to the safety adherences stated in this Lesson Plan Part A.
   1. Medical Coverage.
      1. Level 1 Safety – Buddy Aid & Medic On-site
         1. 01 x Medical Orderly, equipped with an MOP, and resuscitation kit (A.E.D.), i to be stationed at the Admin Area / Safety Vehicle.
      2. Level 2 Safety – GAF Rescue Team and GAF Mobile Physician Team
         1. GAF Rescue Team with GAF Paramedic
      3. Level 3 Safety – GAF Mobile Physician Team
         1. GAF Mobile Physician Team with GAF Medical Officer and SAF Medical Officer
      4. Level 4 Safety – Germany Hospital A&E
   2. Evacuation Plan.
      1. The Ops Room is to be informed of the exercise. Casualties will be treated by the medical orderly on the site and subsequently evacuated by the GAF Rescue Team or German National EMS.
      2. The Conducting and Safety Officers, together with the medic and the safety vehicle driver, must be conversant with the Medical Evacuation Route from the Live-Firing area to the nearest medical centre and / or hospital.

**RISK MANAGEMENT PLAN**

1. RMP-RAWR.
   1. Conducting officer must ensure that the RMP-RAWR used for the training must be updated and endorsed by the supervising officer. A ground reconnaissance must be carried out at the training area prior to the conduct of the exercise to check on the various routes, holding area and evacuation route to be designated to the Medical Centre. During the reconnaissance, accident and danger prone areas should be identified. The Risk Management Plan will be revised and updated based on the new changes.
2. Risk Assessment Worksheet.
   1. The Risk Assessment Worksheet (RAW) must be completed by the Conducting Officer prior to commencement of activity. The Conducting Officer is to recce the training area and take write down any hazards not identified in the RMP-RAWR and to devise a measure to ensure safety precautions are taken.

**BRIEFINGS**

1. In order to facilitate a smooth and safe conduct, the following briefings shall be conducted prior to the lesson:
   1. Brief Back to Supervising Officer
      1. The Conducting Officer will give a brief back to the Supervising Officer on the conduct of the live-firing exercise at least one week before the lesson with the following salient points:
         1. Lesson you are going to conduct.
         2. Appointment holders.
         3. Objectives and standards of the training.
         4. Table of events.
         5. Conduct of training (Overall Plan).
         6. Safety Measures and prevention.
         7. Contingencies.
         8. Preparation (Signal, Medical, Ammo, Ration, Transport, Personnel, Others).
      2. Once the Supervising Officer has approved the conduct of the Live Firing, the Conducting Officer will brief the other Instructors and training support staff on how the range is to be conducted.
      3. Pertinent points on safety are to be highlighted to educate the Instructors on what to look out for so that they will be able to actively manage the risks involved in the conduct of the Live Firing.
   2. Briefing to the Conducting Staffs. The Conducting Officer must brief the instructors and the rest of the appointment holders on the intent and objectives of the exercise as discussed with the Supervising Officer. He is also required to brief them on how and where the exercise is to be conducted. A recce of the exercise area is also necessary.
   3. Briefing to the Participants. The Conducting Officer must brief the participants on the layout of the Exercise Area, the rules and conduct of the exercise. The Conducting Officer is to conduct a safety brief covering the hazards identified in the RAW or new hazards that have been identified during the recce. He is to emphasise the vehicle overturning drill to be done for every run.
      1. Brief and conduct all weapon drills revision for all participants especially on IA and Stoppages drills. These drills are to be practised during the TTX and Platform activities and Wargaming prior to commencement of the ALFS.
      2. Constantly remind the participants on the weapon WDA and safety arc, and the need to align the advancing vehicles during the conduct of ALFS.

**OTHER PREPARATIONS**

1. Inclement Weather Programme.
   1. CAT 1 before/during tactical training. Training will cease and be postponed to a later time. If the rain stops before the scheduled start of the postponed training, the Supervising Officer will decide if the battlecourse route is safe to continue training.
2. ‘A’ vehicles and weapons
   1. All AFVs are to be prepared accordingly (BOS) to the pre-firing check-list, inclusive of ETMS (system diagnostic test).
   2. All weapons are to be certified fit for firing by the armourer.
   3. All weapons are to be cleared (moving parts to be oiled lightly) and checked by the Chief Safety Officer prior to the commencement and at the end of the Live Firing exercise.
   4. All respective weapon mountings must be secured and subsequently checked by the Chief Safety Officer prior to the commencement of the live-firing exercise. The respective platform safety specialist / officer is to conduct subsequent checks on the weapons being secured immediately after each Live Firing runs.
   5. All gun log books and fit-for-firing certificates must be brought to the range. These certificates will be consolidated by the Chief Safety Officer and placed at the range control tower.
   6. All AFV is to be equipped with 4 flags (red, green, yellow and blue & white). They will be used to indicate the following:
      1. Red - Weapons are loaded
      2. Green - Weapons are cleared with ammunitions in the tank
      3. No flags - Weapons are cleared and no ammunitions in tank
      4. Yellow - Fault in Tanks/Weapons
      5. Blue & White - Field Signals
   7. All AFVs must be fully equipped and mounted with OVMs for the Live Firing. Vehicle ICs are to ensure that the vehicles are in a serviceable condition and all communication sets and CVC helmets are working.
3. Sentries.
   1. Sentries are required to be posted for Live-Firing at the Range: (Refer to OMTA Range Live Firing Standing Orders.)
   2. Localised sentries will be briefed by the Conducting Officer / Sentry OIC prior to their deployment at the various sentry points, according the guidelines laid down by the Sentry Standing Orders.
   3. All sentries must remain in their positions with their helmets (and vests, if provided) worn. They are to maintain radio communications with the Sentry OIC who will be stationed at the Control Tower.
   4. All sentries are to be equipped with Kevlar helmet, identity discs, FAD, red flags (red lamps/red cylume sticks will used during the night), signal set and torchlight.
   5. No personnel are allowed to enter the live firing area without seeking clearance from the Conducting Officer.
   6. The sentries will not leave his post unless authorised by the Conducting Officer.
   7. All sentries are to record any vehicle and personnel movement in and out of the live firing area. All personnel entering or leaving the live firing area are to register with the sentries.
4. Fire Hazard.
   1. The following precautions are to be taken during Live Firing:
      1. All firing are to be directed at the butt only.
      2. In the event of a ricochet and a fire is started at the butt area, all weapons are to be cleared and checked before proceeding to fight the fire.
      3. If a fire becomes uncontrollable, live firing must cease and the FSG Ops Room must be informed. The fire engines may be activated by the Range Control Warden or German Liaison Officer (if present), depending on the extent of the fire.
5. Setting up of butt area.
   1. Setting of butt will be done at least one day before the commencement of the exercise.
   2. The Conducting Officer must liaise with the Range Controller for the selection of available and suitable targets for the LF exercise.
   3. The Conducting Officer must ensure the selected targets are working via coordination with the Range Controller through a rehearsal of popping up the targets in accordance with the LF scheme of manoeuvre.
6. Instructor Preparations. The instructors must be able to:
   1. Shift from a didactic approach to a coaching facilitation mode upon the commencement of the L/F. The L/F execution aims to build trainee confidence and experience. By ensuring instructors adopt a less instructor-led approach to one that is learner-led, participants' learning experience will be optimally stretched.
   2. Understand and explain the required ammunitions WDA and the safety implications on the ground.
7. Others. Nil

**AUTHENTICATIONS**

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| Conducting Officer:  LTA LEE G HAO  PC1, 1ST COMPANY, 48 SAR |  |  |
|  | Signature | Date |
| Safety Officer:  2LT WESLEY SEE TOH  PC3, 1ST COMPANY, 48 SAR |  |  |
|  | Signature | Date |
| Supervising Officer:  CPT CLIFTON YEO  OC, 1ST COMPANY, 48 SAR |  |  |
|  | Signature | Date |