

RANGE AND TRAINING REGULATIONS

**Maximum of 5 POVs are authorized to park in parking lot area with or without a POV pass
Road & River Report Dependant**

Range: R-108	Lateral Limits: Unknown Distance	Allowable Wpns:	
Location: 62966 89064	Left 62955 890065 at 181° mag	Rifles - .50 cal. (Ball & A606) & below Demo - Up to 225 lbs NEW (Primed & Unprimed in Pit)	
Elev: 410' MSL	Right 62924 89072 at 198° mag BZO/CMP		
	Left 62795 89272 at 161° mag	Assigned to: CG, MCB Date Revised: 08 May, 2012	
Right 62781 89275 at 180° mag			
Type: BZO, Sniper Rifle Range (Unknown Distance), Demo	Impact Area: X-Ray	Troop Penetration Line: 1200 Meters	Range Gates: #1: 62748 89570 #2: 62798 89306
Min/max Engagement Distance: Min 100 meters Max 1200 meters		Demo Sites: See Special Instructions	Range Facilities: Bleachers, Ammo tables, & Gates



Scheduling

1. Unit will utilize RFMSS to schedule range.
2. Initial scheduling of this facility must be done through Base EOD at 725-5498.
3. Final scheduling of this facility must be approved by MCB Camp Pendleton Range Scheduling.

Special Instructions Continued on Next page

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Scheduling Conflicts		Conflict Notes
X-Ray	1	Note (1) – Ground Movement Not Allowed
Aircraft	2	Note (2) - No Over Flight Allowed – Max Org 300lbs 2196' AGL

GENERAL INSTRUCTIONS

1. **A safety Brief will be conducted prior to each live fire event to all participants.**
 2. **All personnel shall wear required PPE during all training events.**
 3. **OIC & RSO Requirements -**
 - a. **Explosives**
 - i. **OIC Requirement – GySgt or Above**
 - ii. **RSO Requirement - SSgt or Above**
 - b. **Small Arms**
 - i. **OIC Requirement – SSgt or Above**
 - ii. **RSO Requirement - Sgt or Above**
 - c. **No Munitions**
 - i. **OIC Requirement – None**
 - ii. **RSO Requirement - Cpl or Above**
 - iii. **LASER (If Used) LSSO Requirement - Sgt or Above**
 - d. **EOD Operations**
 - i. **OIC Requirement – Sgt or Above (Qualified EOD Tech)**
 - ii. **RSO Requirement - Sgt or Above (Qualified EOD Tech)**
 4. IOT **occupy** this range unit must have the following personnel/equipment:
 - a. RSO
 - b. Corpsman & Safety Vehicle
 - c. Positive Communication with LONGRIFLE
 - d. **An ORM reviewed and signed by the Command, RSO and OIC.**
 5. IOT go into a **hot status** on range unit must have the following personnel/equipment:
 - a. OIC
 - b. RSO
 - c. **LSSO – If using Laser**
 - d. Corpsman & Safety Vehicle
 - e. Positive Communication with LONGRIFLE
 6. The RSO & OIC will personally observe each event.
 7. **A non-participating Corpsman will be stationed with safety vehicle.**
 8. Ammunition will only be issued per event and accounted for on NAVMC 11381.
 9. After each event, unit leaders will conduct a line out.
 10. Each RSO/PSO will certify to the OIC that all weapons are in Condition 4 prior to exiting the range/facility and all ammunition is accounted for.
- All weapon malfunctions shall be corrected per the appropriate TM/FM, and unit SOP.

Special Instructions

Base EOD is the primary user of this facility.

If an emergency destruction of ordnance is required, units using this range shall place all weapons in Condition 4 and move to the designated safe area.

BZO/EMP	Sniper Unknown Distance	
<ol style="list-style-type: none"> 1. BZO Gate #2 shall be secured. LLL: 62795 89272, 161° mag RLl: 62781 89275, 180° mag 	<ol style="list-style-type: none"> 1. A606 AND BALL AMMUNITION IS ALLOWED ON THIS RANGE. 2. Prior to conducting any firing the RSO shall: <ol style="list-style-type: none"> a. Ensure the SDZ is free of any personnel or wild life. b. Close and secure gate #2. 3. Only the Government Vehicles are allowed on the hill near the firing line. 4. All other vehicles will be parked at the designated parking area. 5. 5.56mm & 7.62mm steel targets will be placed with a forward cant (head forward 20 degrees). 6. 5.56mm & 7.62mm targets will be placed no higher than 610 feet MSL. 7. .50 Cal targets will be the fiberglass vehicle silhouettes. 8. All .50 Cal targets will be placed no higher than 520 feet MSL. 9. All targets utilized must be emplaced within the listed lateral limits. 10. Gate #2 will be locked for all firing events. 	

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Demolitions

1. The RSO shall check each shot hole, looking for unconsumed explosives prior to departing the range.
2. **The RSO shall also ensure all shot holes are filled and the debris is policed-up.**
 - a. **No shots greater than 5 lbs NEW shall be fired without heavy equipment on hand IOT facilitate filling of shot holes.**
3. ALL unconsumed explosives shall be policed-up and consolidated for one last clean-up shot prior to the range going cold
4. ALL unused blasting materials shall be retrieved upon completion of training, and shall be returned to the Las Pulgas ASP.
5. All target materials shall be policed-up and taken back with the unit.
6. Only the Demolition Sites listed on Demolition Data Card are authorized for use.
7. **Heavy Demolitions (Demo Site #4)**
 - a. **All time fuses will be cut to a minimum time of 3 minutes (verified by RSO).**
 - b. All charges will be dual primed and utilize a dual initiation system.
 - c. **Minimum of 30 seconds between charges.**
 - d. Gates #1 & #2 shall be secured and all POVs shall be parked in Parking Area #1.
 - e. Reference Demolition Data Card for applicable data for Demo Site #4.
 - f. **An Air Sentry is required.**
8. **EOD Demonstrations & Classes (Demo Sites #1, #2, #3)**
 - a. Gates #1 & #2 shall be secured and all POVs shall be parked in Parking Area #1.
 - b. Reference Demolition Data Card for applicable data for Demo Sites #1, #2, & #3.
 - c. **An Air Sentry is required.**

Rifle Entry Grenade

1. FP FORWARD OF THE ROAD
2. PDF - 189 deg magnetic
3. No personnel shall be within 15 meters of target.
4. Single ear protection must be worn by all personnel within 40 meters from target.
5. **Gunner must:**
 - a. Wear helmet, BLPS (Ballistic Laser Protective Spectacles), body armor, gloves, and rolled down sleeves.
 - b. Gunner will stay behind cover after firing.
 - c. All personnel within 40 meters of target must wear same protective gear and be under or behind cover.
6. Use only M855 ball or M856 tracer ammunition to fire GREM on single shot (semi-automatic) mode.
 - a. Use of any other ammunition may cause premature function/detonation of GREM or weapon, causing serious injury or death to gunner.
 - b. **DO NOT mix GREM ammunition with GREM-TP ammunition.**
7. Use only M16A2/M16A4 rifles or M4 series weapons to fire munitions.
8. These are high recoil munitions.
 - a. **Recoil pad must be properly installed** on M4 carbines and pressed against shoulder prior to firing, or personal injury or buttstock damage may occur.
9. Weapon must be in SAFE position and loaded before installing munition.
10. **Gunner and GREM must be at least 15 meters from target.**
11. Before squeezing weapon trigger, standoff rod must be installed, munition must be fully seated against weapon muzzle, and weapon must be properly aimed.
12. Due to high recoil, extended eye relief from optics or iron sights is required to prevent injury to eyes, nose or face. **Keep a minimum of 3 inches away from charging handle.**
13. Maintain a minimum of 15 meters from unexploded ordnance (UXO). Contact EOD for disposal. An air sentry will be posted by the RSO. Any time an aircraft is observed within the SDZ, a cease-fire will be called by the RSO.

Special Instructions Continued on Next page

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Medevac Planning Information								
Name	Address	Travel Time		Phone	Helipad		Burn/Trauma	
		Air	Grd		Yes	No	Yes	No
US Navy Hospital–NHCP	Bldg H-100 CPend	3	10	760-725-1611	X			X
Tri City Medical Center	4002 Vista Way, OSide	8	20	760-940-3507	X			X
Mission Viejo Medical Cntr	27700 Medical Center Rd.	10	30	949-364-1181	X		X	
Scripps, La Jolla	9888 Genesee Avenue	10	40	858-626-6151	X		X	
Palomar Medical Center	555 E. Valley Parkway, Esc.	10	40	760-739-3301	X		X	
UCSD Medical Center	200 W. Arbor Drive, SD	20	60	619-543-2154	X		X	



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Gate #1

Parking Area

KILO ONE

Gate #2

BZO/EMP

Stalking Area

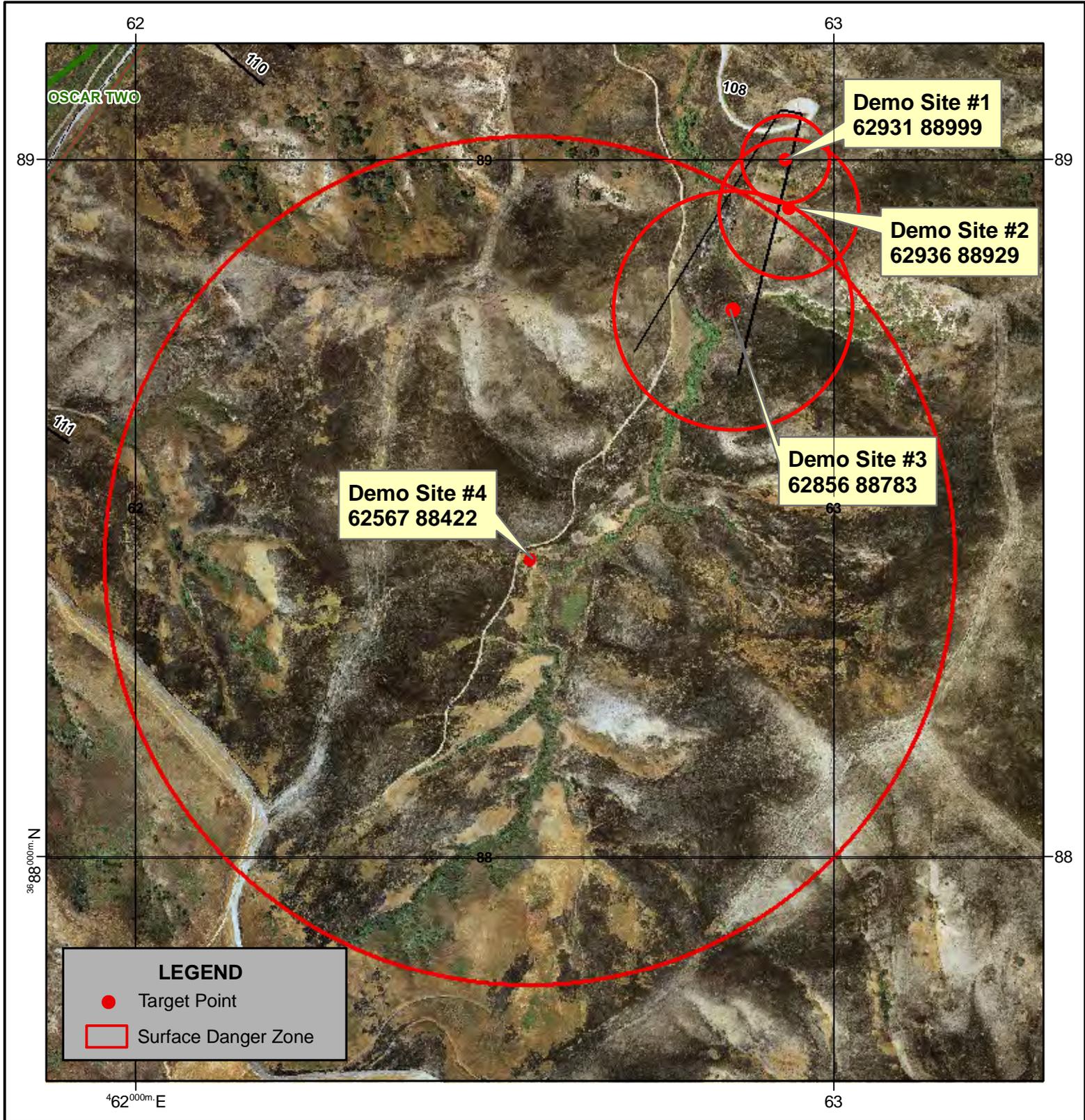
Firing Line

109

89
000m. N

63
000m. E

89



Weapon: Demolitions

Demo Site #1: .25 lbs NEW Max
62931 88999, 365 Feet MSL
Missile Hazard Zone: 63 Meters
Max Ord: 207 Feet AGL

Demo Site #2: 1 lbs NEW Max
62936 88929, 395 Feet MSL
Missile Hazard Zone: 100 Meters
Max Ord: 328 Feet AGL

Demo Site #3: 5 lbs NEW Max
62856 88783, 385 Feet MSL
Missile Hazard Zone: 171 Meters
Max Ord: 1247 Feet AGL

Demo Site #4: 225 lbs NEW Max
62567 88422, 450 Feet MSL
Missile Hazard Zone: 608 Meters
Max Ord: 1995 Feet AGL

Vertical(Missile) Hazard

Formula [$NEW^3 * 100 * 3.28 = \text{Vertical Hazard in Feet}$]

NEW	Ft	NEW	Ft	NEW	Ft	NEW	Ft	NEW	Ft	NEW	Ft
1	328	51	1216	101	1527	151	1747	201	1921	251	2069
2	413.3	52	1224	102	1533	152	1750	202	1925	252	2072
3	473.1	53	1232	103	1538	153	1754	203	1928	253	2075
4	520.7	54	1240	104	1542	154	1758	204	1931	254	2077
5	560.9	55	1247	105	1547	155	1762	205	1934	255	2080
6	596	56	1255	106	1552	156	1766	206	1937	256	2083
7	627.4	57	1262	107	1557	157	1769	207	1940	257	2085
8	656	58	1270	108	1562	158	1773	208	1943	258	2088
9	682.3	59	1277	109	1567	159	1777	209	1947	259	2091
10	706.7	60	1284	110	1572	160	1781	210	1950	260	2093
11	729.5	61	1291	111	1576	161	1784	211	1953	261	2096
12	750.9	62	1298	112	1581	162	1788	212	1956	262	2099
13	771.2	63	1305	113	1586	163	1792	213	1959	263	2101
14	790.5	64	1312	114	1590	164	1795	214	1962	264	2104
15	808.9	65	1319	115	1595	165	1799	215	1965	265	2107
16	826.5	66	1326	116	1600	166	1803	216	1968	266	2109
17	843.4	67	1332	117	1604	167	1806	217	1971	267	2112
18	859.6	68	1339	118	1609	168	1810	218	1974	268	2115
19	875.2	69	1345	119	1613	169	1813	219	1977	269	2117
20	890.3	70	1352	120	1618	170	1817	220	1980	270	2120
21	904.9	71	1358	121	1622	171	1821	221	1983	271	2123
22	919.1	72	1365	122	1627	172	1824	222	1986	272	2125
23	932.8	73	1371	123	1631	173	1828	223	1989	273	2128
24	946.1	74	1377	124	1636	174	1831	224	1992	274	2130
25	959.1	75	1383	125	1640	175	1835	225	1995	275	2133
26	971.7	76	1389	126	1644	176	1838	226	1998	276	2136
27	984	77	1395	127	1649	177	1842	227	2001	277	2138
28	996	78	1401	128	1653	178	1845	228	2004	278	2141
29	1008	79	1407	129	1657	179	1849	229	2007	279	2143
30	1019	80	1413	130	1662	180	1852	230	2010	280	2146
31	1030	81	1419	131	1666	181	1855	231	2013	281	2148
32	1041	82	1425	132	1670	182	1859	232	2015	282	2151
33	1052	83	1431	133	1674	183	1862	233	2018	283	2153
34	1063	84	1436	134	1678	184	1866	234	2021	284	2156
35	1073	85	1442	135	1683	185	1869	235	2024	285	2159
36	1083	86	1448	136	1687	186	1872	236	2027	286	2161
37	1093	87	1453	137	1691	187	1876	237	2030	287	2164
38	1103	88	1459	138	1695	188	1879	238	2033	288	2166
39	1112	89	1464	139	1699	189	1882	239	2036	289	2169
40	1122	90	1470	140	1703	190	1886	240	2038	290	2171
41	1131	91	1475	141	1707	191	1889	241	2041	291	2174
42	1140	92	1481	142	1711	192	1892	242	2044	292	2176
43	1149	93	1486	143	1715	193	1896	243	2047	293	2179
44	1158	94	1491	144	1719	194	1899	244	2050	294	2181
45	1167	95	1497	145	1723	195	1902	245	2052	295	2183
46	1175	96	1502	146	1727	196	1905	246	2055	296	2186
47	1184	97	1507	147	1731	197	1909	247	2058	297	2188
48	1192	98	1512	148	1735	198	1912	248	2061	298	2191
49	1200	99	1517	149	1739	199	1915	249	2064	299	2193
50	1208	100	1522	150	1743	200	1918	250	2066	300	2196