



MIDDELBURG BISLEY CLUB

Chair: AJ Barnes
anton@isambane.co.za
 072 617 1390

Vice-Chair: JLR Venter
rasmusv@telkomsa.net
 083 457 1828

Secretary: SW Cullinan
schalk.cullinan@glencore.co.za
 082 333 9946

Calibration Record of Electronic Targets

Calibration date: 2020/01/11

Server Target Pos.	System ID	Frame ID	Sensor number	Sensor position	Sensor X- Spacing	Sensor Y- Spacing	X - deviation	Y- Deviation	Pass / Fail	X- Off set	Y- Off set
Target B1	3675	MB-1	3675-1	Top Left	1756 mm	1941 mm	-1mm	0,5mm	Pass	13	17
			3675-2	Top Right							
			3675-3	Bot Right							
			3675-4	Bot Left							
Target B2	2816	MB-2	2816-1	Top Left	1756 mm	1941 mm	0mm	-0,5mm	Pass	10	9
			2816-2	Top Right							
			2816-3	Bot Right							
			2816-4	Bot Left							
Target B3	0263	MB-3	0263-1	Top Left	1756 mm	1941 mm	0,5mm	1mm	Pass	5	12
			0263-2	Top Right							
			0263-3	Bot Right							
			0263-4	Bot Left							
Target B4	0274	MB-4	0274-1	Top Left	1756 mm	1941 mm	1mm	-2mm	Pass	21	6
			0274-2	Top Right							
			0274-3	Bot Right							
			0274-4	Bot Left							
Target B5	0223	MB-5	0223-1	Top Left	1756 mm	1941 mm	-1,5mm	0mm	Pass	14	12
			0223-2	Top Right							
			0223-3	Bot Right							
			0223-4	Bot Left							
Target B6	9669	MB-6	9669-1	Top Left	1756 mm	1941 mm	-1mm	-1mm	Pass	13	12
			9669-2	Top Right							
			9669-3	Bot Right							
			9669-4	Bot Left							
Target B7	1608	MB-7	1608-1	Top Left	1756 mm	1941 mm	-0,5mm	-1mm	Pass	10	3
			1608-2	Top Right							
			1608-3	Bot Right							
			1608-4	Bot Left							

Notes:

- 1) Criteria for Pass / Fail for accuracy is shot placement within 1/4" (6mm) from indicated position
- 2) Calibration was performed on a wind-still day with targets wedged and clamp into secure positions and targets level to the horizontal

- 3) *Server Target position is not a calibration requirement - purely a means of keeping the target installed position the same so to avoid making unnecessary changes to the server*
- 4) *Cartesian axis positioning applied: minus (-) indicating left and lower with positive numbers referring to right and high placement*
- 5) *X- and Y-Deviation refers to the shot's measured actual position compared to the System indicated position*
- 6) *Off-Set values are those programmed to the server indicating the correction values to coincide the acoustic vs. the dimensional zeros*
- 7) *Calibration is performed once only to mate the system and its sensors to the target frame. No periodic re-calibration requirements required. Re-calibration to be performed only with a change in equipment (for instance replacement of a sensor).*

Calibration Team:

Schalk Cullinan
Andre Naumann
Anton Barnes
Willem O'Neil
Reinardt Opperman