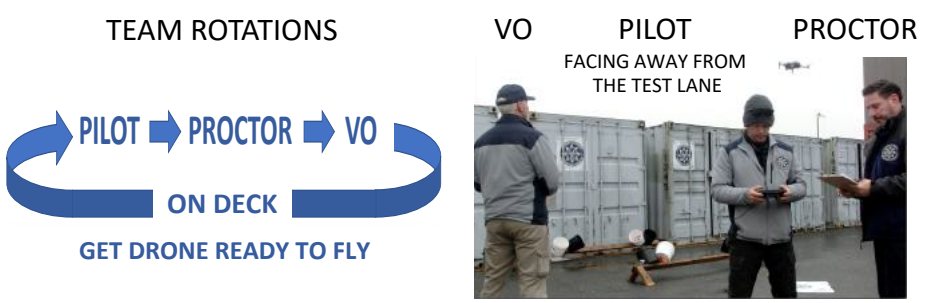
Teams Rotate Through Each Role

Each Pilot flies a 5-minute trial with help from others.
A 3-4 person team completes all 5 tests in 2 hours.



Four person teams always have one person getting their aircraft ready to launch right after the previous lands.

Three person teams work too, but require some time between each rotation to prepare the next aircraft.

PILOT

- Maintain control of the aircraft.
- Call out each intention of movement before doing so.
- Call out each bucket alignment and acuity target gap.

PROCTOR

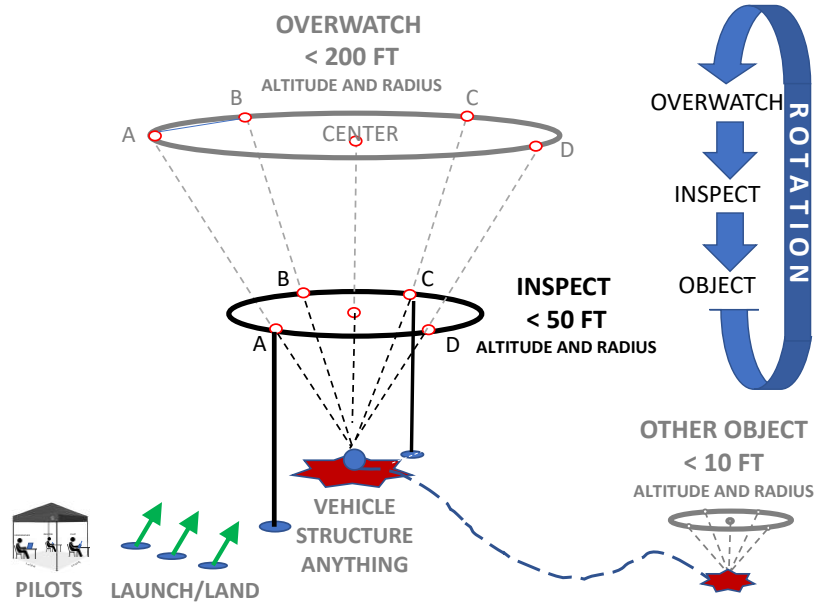
- Fill in the form header.
- Read the test procedures to the Pilot.
- Confirm, record, and attest to scoring after the trial.

VISUAL OBSERVER (VO)

- Maintain sight with the aircraft and surroundings.
- Repeat the Pilot's intention of movement to confirm.
- Call out corrections and warnings as necessary.

Teams Sequence Through Scenarios

Each Pilot flies a 15-minute scenario, sequencing through 3 objectives for 5 minutes each.

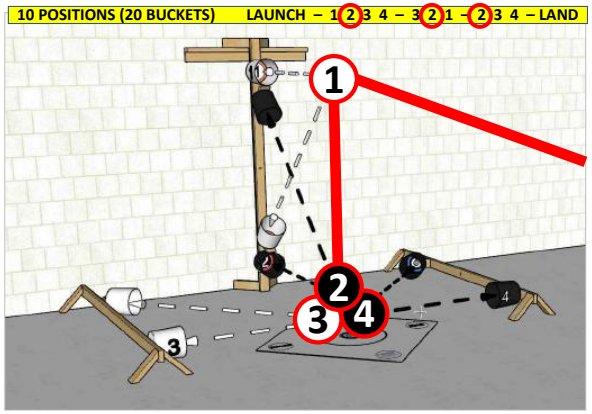


- This scenario mechanization enables embedded bucket scoring tasks to be performed similarly by all participating Pilots. So the results are comparable within the same scenario layout. Additional tactics can be overlayed onto these scenarios at your facility.
- Up to 3 teams concurrently fly different scenario objectives from safe distances and altitudes apart.
- Teams move as necessary to maintain sight lines with their aircraft and communications with other teams. The overwatch team leads communications.
- Scenarios restart every 20 minutes with a different rotation of Pilot, Proctor, and VO.

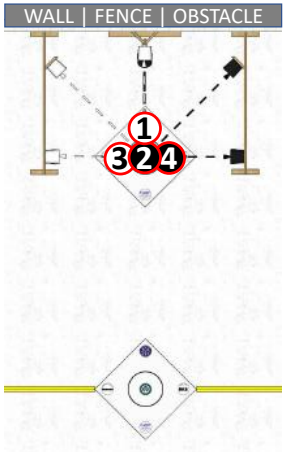
Perch (PAY 6)

Confined Test Lane

#2 ALIGNMENT WHILE PERCHED



TOP VIEW



- Fly and perch inside the 2m (6ft) wide alcove with with ground obstacles on both sides.
- Inspect vertical and horizontal object features upward, downward, leftward and rightward.
- BUCKET #2 MUST BE ALIGNED WHILE PERCHED, but all others can be aligned/identified either while perched or hovering as if inspecting underbody objects of interest.

SCORING

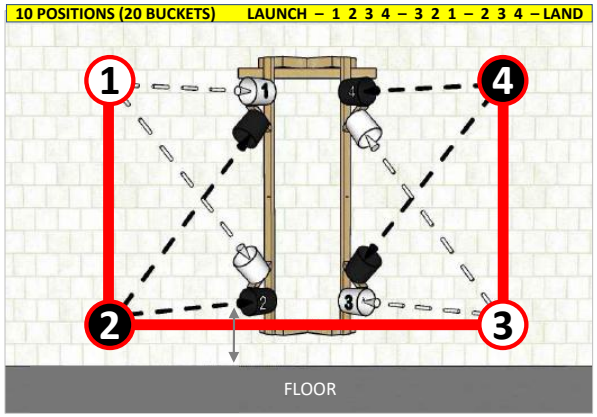
Alignment Points in Perpendicular Buckets (50 Total):
Align with each perpendicular bucket to CAPTURE A SINGLE IMAGE OF THE ALIGNMENT RING for scoring during or after the trial.

Acuity Points in Angled Buckets (50 Total):
Align with each angled bucket to IDENTIFY ACUITY GAPS through the pilot interface. Images are optional for documentation but use the answer key for scoring..

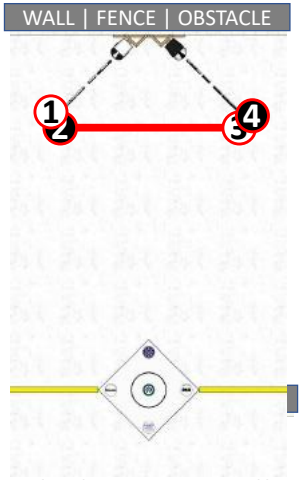
	CONFINED | PERCH	BUCKETS	ALIGNMENT	ACUITY
	START TIMER	NUMBER	IMAGE POINTS (5 OR 1 POINT)	CIRCLE GAPS (1 POINT EACH)
1	*PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	1	5 1 0	
2	*ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	1A		TR B TR L BR
3	*PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	2	5 1 0	WHILE PERCHED
4	*ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	2A		L BR T TL R
5	*PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	3	5 1 0	
6	*ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	3A		BR T TL R BL
7	*PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	4	5 1 0	
8	*ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	4A		T BL B TR L
9	*PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	3	5 1 0	
10	*ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	3A		BR T TL R BL
11	*PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	2	5 1 0	WHILE PERCHED
12	*ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	2A		L BR T TL R
13	*PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	1	5 1 0	
14	*ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	1A		TR B TR L BR
15	*PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	2	5 1 0	WHILE PERCHED
16	*ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	2A		L BR T TL R
17	*PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	3	5 1 0	
18	*ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	3A		BR T TL R BL
19	*PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	4	5 1 0	
20	*ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	4A		T BL B TR L
	ELASPED TIME: (MM:SS)	SCORES	/50	/50

Wall (PAY 7)

Confined Test Lane



TOP VIEW



- Fly inside the 2m (6ft) wide alcove with the main wall at 45 degrees from forward of the aircraft.
- Inspect vertical object features upward and downward.

SCORING

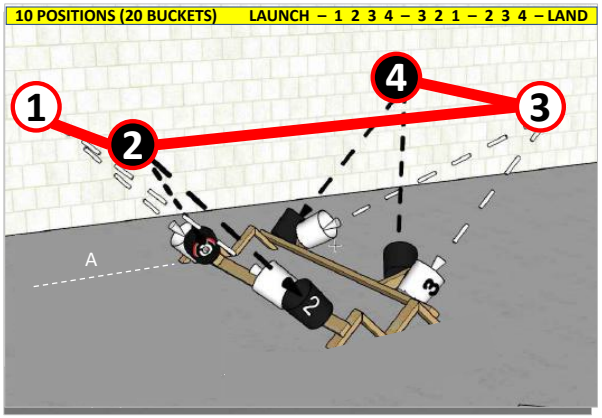
Alignment Points in Perpendicular Buckets (50 Total):
Align with each perpendicular bucket to CAPTURE A SINGLE IMAGE OF THE ALIGNMENT RING for scoring during or after the trial.

Acuity Points in Angled Buckets (50 Total):
Align with each angled bucket to IDENTIFY ACUITY GAPS through the pilot interface. Images are optional for documentation but use the answer key for scoring.

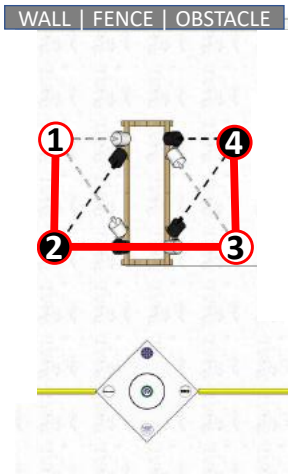
CONFINED | WALL	BUCKETS	ALIGNMENT	ACUITY
START TIMER	NUMBER	IMAGE POINTS (5 OR 1 POINT)	CIRCLE GAPS (1 POINT EACH)
1 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	1	5 1 0	
2 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	1A		TR B TR L BR
3 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	2	5 1 0	
4 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	2A		L BR T TL R
5 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	3	5 1 0	
6 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	3A	_ _ _	BR T TL R BL
7 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	4	5 1 0	
8 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	4A		T BL B TR L
9 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	3	5 1 0	
10 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	3A	_ _ _	BR T TL R BL
11 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	2	5 1 0	
12 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	2A		L BR T TL R
13 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	1	5 1 0	
14 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	1A	_ _ _	TR B TR L BR
15 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	2	5 1 0	
16 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	2A		L BR T TL R
17 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	3	5 1 0	
18 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	3A		BR T TL R BL
19 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	4	5 1 0	
20 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	4A		T BL B TR L
ELASPED TIME: (MM:SS)	SCORES	/50	/50

Ground (PAY 8)

Confined Test Lane



TOP VIEW



- Fly inside the 2m (6ft) wide alcove with the main wall at 90 degrees from forward of the aircraft.
- Inspect horizontal object features leftward and rightward.

SCORING

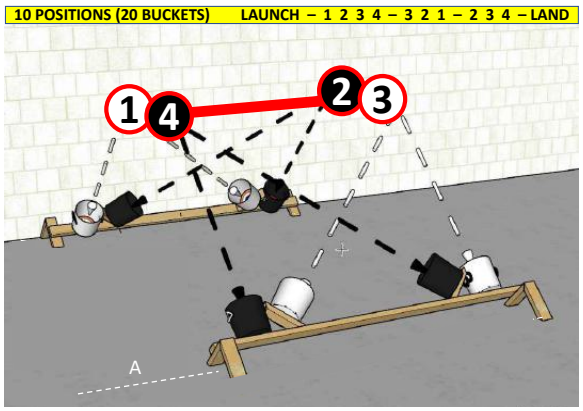
Alignment Points in Perpendicular Buckets (50 Total):
Align with each perpendicular bucket to CAPTURE A SINGLE IMAGE OF THE ALIGNMENT RING for scoring during or after the trial.

Acuity Points in Angled Buckets (50 Total):
Align with each angled bucket to IDENTIFY ACUITY GAPS through the pilot interface. Images are optional for documentation but use the answer key for scoring.

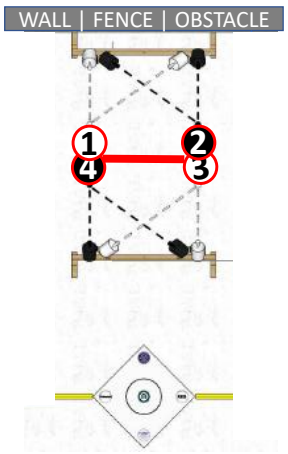
CONFINED | GROUND	BUCKETS	ALIGNMENT	ACUITY
START TIMER	NUMBER	IMAGE POINTS (5 OR 1 POINT)	CIRCLE GAPS
2 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	1		— — — — —
3 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	1A	5 1 0	
4 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	2		— — — — —
5 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	2A	5 1 0	
6 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	3		— — — — —
7 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	3A	5 1 0	
8 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	4		— — — — —
9 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	4A	5 1 0	
10 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	3		— — — — —
11 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	3A	5 1 0	
12 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	2		— — — — —
13 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	2A	5 1 0	
14 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	1		— — — — —
15 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	1A	5 1 0	
16 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	2		— — — — —
17 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	2A	5 1 0	
18 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	3		— — — — —
19 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	3A	5 1 0	
20 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	4		— — — — —
20 CALL OUT THE VISUAL ACUITY GAP DIRECTIONS	4A	5 1 0	T BL B TR L
ELASPED TIME: (MM:SS)	SCORES	/50	/50

Alley (PAY 9)

Confined Test Lane



TOP VIEW



- Fly inside the 2m (6ft) wide alcove with the main wall at in front of the aircraft (0 degrees) and behind the aircraft (180 degrees).
- Inspect horizontal object features leftward and rightward.

SCORING

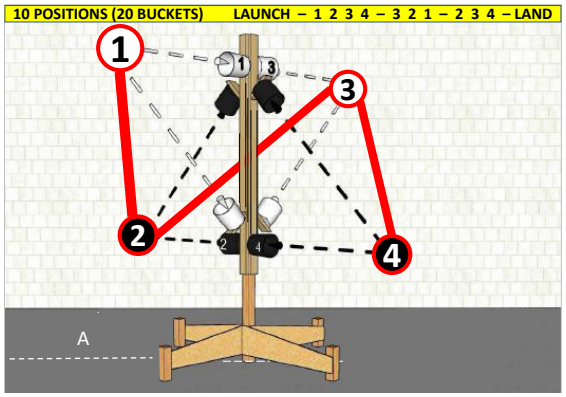
Alignment Points in Perpendicular Buckets (50 Total):
Align with each perpendicular bucket to CAPTURE A SINGLE IMAGE OF THE ALIGNMENT RING for scoring during or after the trial.

Acuity Points in Angled Buckets (50 Total):
Align with each angled bucket to IDENTIFY ACUITY GAPS through the pilot interface. Images are optional for documentation but use the answer key for scoring.

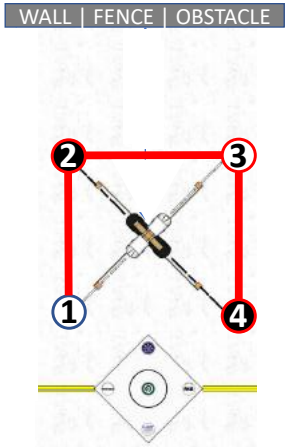
CONFINED | ALLEY	BUCKETS	ALIGNMENT	ACUITY
START TIMER	NUMBER	IMAGE POINTS (5 OR 1 POINT)	CIRCLE GAPS (1 POINT EACH)
1 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	1	5 1 0	
2 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	1A		TR B TR L BR
3 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	2	5 1 0	
4 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	2A		L BR T TL R
5 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	3	5 1 0	
6 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	3A		BR T TL R BL
7 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	4	5 1 0	
8 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	4A		T BL B TR L
9 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	3	5 1 0	
10 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	3A		BR T TL R BL
11 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	2	5 1 0	
12 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	2A		L BR T TL R
13 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	1	5 1 0	
14 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	1A		TR B TR L BR
15 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	2	5 1 0	
16 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	2A		L BR T TL R
17 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	3	5 1 0	
18 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	3A		BR T TL R BL
19 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	4	5 1 0	
20 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	4A		T BL B TR L
ELASPED TIME: (MM:SS)	SCORES	/50	/50

Post (PAY 10)

Confined Test Lane



TOP VIEW



- Fly inside the 2m (6ft) wide alcove between the post and the main wall .
- Inspect vertical object features upward and downward.

SCORING

Alignment Points in Perpendicular Buckets (50 Total):
Align with each perpendicular bucket to CAPTURE A SINGLE IMAGE OF THE ALIGNMENT RING for scoring during or after the trial.

Acuity Points in Angled Buckets (50 Total):
Align with each angled bucket to IDENTIFY ACUITY GAPS through the pilot interface. Images are optional for documentation but use the answer key for scoring.

CONFINED | POST	BUCKETS	ALIGNMENT	ACUITY
START TIMER	NUMBER	IMAGE POINTS (5 OR 1 POINT)	CIRCLE GAPS (1 POINT EACH)
1 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	1	5 1 0	
2 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	1A		TR B TR L BR
3 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	2	5 1 0	
4 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	2A		L BR T TL R
5 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	3	5 1 0	
6 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	3A		BR T TL R BL
7 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	4	5 1 0	
8 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	4A		T BL B TR L
9 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	3	5 1 0	
10 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	3A		BR T TL R BL
11 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	2	5 1 0	
12 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	2A		L BR T TL R
13 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	1	5 1 0	
14 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	1A		TR B TR L BR
15 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	2	5 1 0	
16 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	2A		L BR T TL R
17 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	3	5 1 0	
18 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	3A		BR T TL R BL
19 *PERPENDICULAR BUCKET*: ALIGN AND CAPTURE IMAGE	4	5 1 0	
20 *ANGLED BUCKET:* CALL OUT ACUITY GAP DIRECTIONS	4A		T BL B TR L
ELASPED TIME: (MM:SS)	SCORES	/50	/50