



**WORLD
AQUATICS**

HIGH DIVING POOL CERTIFICATION

ORGANIZING BODY

FACILITY NAME

OWNER

CONTRACTOR

DESIGN TEAM

DATE

WORLD AQUATICS

APPROVED BY

DATE

SIGNATURE

TABLE OF CONTENTS

DRAWING SUBMITTAL REQUIREMENTS.....	3
MEASUREMENT CRITERIA	3
TYPE OF VENUE	4
THE PLATFORMS.....	5
GENERAL REQUIREMENTS	7
NOTES.....	10
ADDITIONAL COMMENTS	11
SIGNATURES	11

DRAWING SUBMITTAL REQUIREMENTS

As part of the facility pool certification document, the organizing body is required to submit drawings of the pool and associated competition areas for review in addendum with this document. These drawings must be in scale and reflect the as-built condition of the facility. The drawings must include:

1. A BUILDING PLAN VIEW, INCLUDING THE FULL DECK WIDTHS AND SPECTATOR SEATING AREAS;
2. A POOL PLAN VIEW WITH CORRESPONDING WATER DEPTHS;
3. A POOL LONGITUDINAL SECTION VIEW WITH CORRESPONDING WATER DEPTHS;
4. AND A POOL CROSS SECTION VIEW, SHOWING THE TOWER HEIGHTS, TOWER LOCATIONS, AND CORRESPONDING WATER DEPTHS.

MEASUREMENT CRITERIA

1. THE MEASUREMENTS SHALL BE DONE BY A CERTIFIED SURVEYOR, APPOINTED OR APPROVED BY THE MEMBER IN THE COUNTRY IN WHICH THE VENUE IS LOCATED.
2. THE SURVEYING EQUIPMENT SHALL BE A TOTAL STATION. THE MINIMUM REQUIREMENTS OF THE TOTAL STATION ARE THE FOLLOWING:
 - 2.1 ANGLE MEASUREMENT ACCURACY HORIZONTAL AND VERTICAL: 1" (0.3 MGON)
 - 2.2 DISTANCE MEASUREMENT ACCURACY: 1MM + 1.5PPM
3. THE SURVEYOR SHALL PROVIDE A CALIBRATION CERTIFICATE CONFIRMING THE MEASUREMENT QUALITY OF SURVEYING EQUIPMENT. THE CERTIFICATE SHALL HAVE A MAXIMUM VALIDITY OF 1 YEAR.
4. ALL DIMENSIONS SHALL BE MEASURED USING A MINI PRISM OR TARGETS.
5. HIGH DIVING TOWER MEASUREMENTS SHALL BE TAKEN WITH THE POOL, OR RELEVANT LANDING ZONE, FULL OF WATER.
6. HIGH DIVING POOL, OR RELEVANT LANDING ZONE, MEASUREMENTS SHALL BE TAKEN WITH THE POOL EMPTY OF WATER. NATURAL BODIES OF WATER ARE EXCLUDED.

7. THE WATER TEMPERATURE SHOULD BE NOT LESS THAN 18°C IN NATURAL WATER VENUES AND PREFERABLE NOT LESS THAN 26°C DEGREES IN VENUES WITH AN ARTIFICIAL POOL.

8. THE HORIZONTALITY OF EACH PLATFORM EDGE SHALL BE MEASURED IN AT LEAST IN 3 POINTS. A TOLERANCE OF 1MM PER METRE IS ALLOWED, PROVIDING THAT ALL THE POINTS ARE COMPLYING WITH PART 5, 12.5.1 AND 12.5.2. THE HEIGHT OF EACH PLATFORM ABOVE THE WATER LEVEL MAY VARY BY PLUS 0.05M AND MINUS 0.00M FROM THE HEIGHTS PRESCRIBED IN THE RULES. IN NATURAL SURROUNDINGS (SEA, LAKES, RIVERS ETC.) HEIGHT TOLERANCE: $\pm 1\text{M}$.

9. TEMPORARY PLATFORMS INTO NATURAL WATER WITH TIDES, THE PLATFORMS MUST BE CONSTRUCTED IN A WAY THAT DURING THE EXPECTED COMPETITION DAYS THE COMPETITION HEIGHTS ARE WITHIN THE TOLERANCES.

TYPE OF VENUE

The facility shall identify the type of platform structure, Type of landing zone, construction material (i.e. Concrete, Stainless Steel, etc.), and pool finish type (i.e. Paint, Plaster, Tile, Liner, etc.).

TYPE OF PLATFORM STRUCTURE	TOWER	BUILDING	CLIFF
TYPE OF LANDING ZONE	NATURAL WATER	PERMANENT POOL	TEMPORARY POOL
POOL CONSTRUCTION			
POOL FINISH			

THE PLATFORMS

PART 5, 12.1.2.1 - Each platform shall be rigid and horizontal.

WORLD AQUATICS RULE	COMPLIANT	NONCOMPLIANT
PART 5, 12.1.2.1		

PART 5, 12.1.2.2 - The dimensions of the platform shall be:

PLATFORM	REQUIRED WIDTH	REQUIRED LENGTH	MEASURED WIDTH [M]	MEASURED LENGTH [M]
P-3 (3M)	2.00M 1.50M*	5.00M 2.0M*		
P-5 (5M)	2.00M 1.50M*	5.00M 2.0M*		
P-7.5 (7.5M)	2.00M 1.50M*	5.00M 2.0M*		
P-10 (10M)	2.00M 1.50M*	5.00M 2.0M*		
P-15 (11M - 19M)	2.00M 1.50M*	5.00M 2.0M*		
P-20 (20M)	2.00M	5.00M		
P-21-26 (21M - 26M)	2.00M 1.50M*	5.00M 2.0M*		
P-27 (27M)	2.00M	5.00M		
*ACCEPTED FOR EVENTS OTHER THAN WORLD AQUATICS CHAMPIONSHIPS AND WORLD CUPS				

PART 5, 12.1.2.3 - The thickness of the front edge of the platform shall not exceed 0.20m and can be vertical or Inclined at an angle not greater than 10° to the vertical Inside the plummet line.

WORLD AQUATICS RULE	COMPLIANT	NONCOMPLIANT
PART 5, 12.1.2.3		

PART 5, 12.1.2.4 - The entire surface of all platforms shall be covered with slip-resistant material that shall have a tread pattern that provides sufficient traction in wet and dry conditions such that the divers are prevented from slipping when performing dives in all directions.

WORLD AQUATICS RULE	COMPLIANT	NONCOMPLIANT
PART 5, 12.1.2.4		

PART 5, 12.1.2.4.2 - Terracotta is the preferred colour of the platform surface material. Black, white, and blue coloured surface material is not permitted.

WORLD AQUATICS RULE	COMPLIANT	NONCOMPLIANT
PART 5, 12.1.2.4.2		

PART 5, 12.1.2.4.3 - The colour of the carpet on the pool deck must not be blue. Grey is the preferred option.

WORLD AQUATICS RULE	COMPLIANT	NONCOMPLIANT
PART 5, 12.1.2.4.3		

PART 5, 12.1.2.5 - The back and sides of each platform shall be surrounded by handrails up to 1.0m from the edge of the platform with a minimum clearance of 1.8m between vertical pairs. The minimum height shall be 1.0m and they shall be with at least two horizontal crossbars placed outside the platform beginning 1.0m from the front edge of the platform.

WORLD AQUATICS RULE	COMPLIANT	NONCOMPLIANT
PART 5, 12.1.2.5		

PART 5, 12.1.2.6 - Each platform shall be accessible by suitable slip-resistant stairs (not ladders) as required by the country's building regulations and or health and safety standards that are applicable.

WORLD AQUATICS RULE	COMPLIANT	NONCOMPLIANT
PART 5, 12.1.2.6		

PART 5, 12.1.2.8 - The platform shall be a concrete, steel or other rigid material construction as approved by World Aquatics. The longitude and latitude movement/oscillation allowance for the entire 27m high tower structure shall be 2.7cm (1/1000 from 27m). The maximum wind speed for the tower oscillation stability is 54km/hour (banners will affect the stability). The downward flex at the diving end of the platform shall not exceed 2-3mm and approved by the local authority of the area.

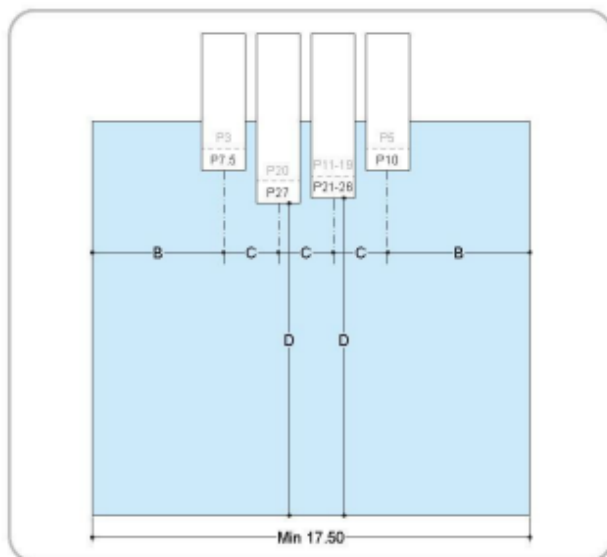
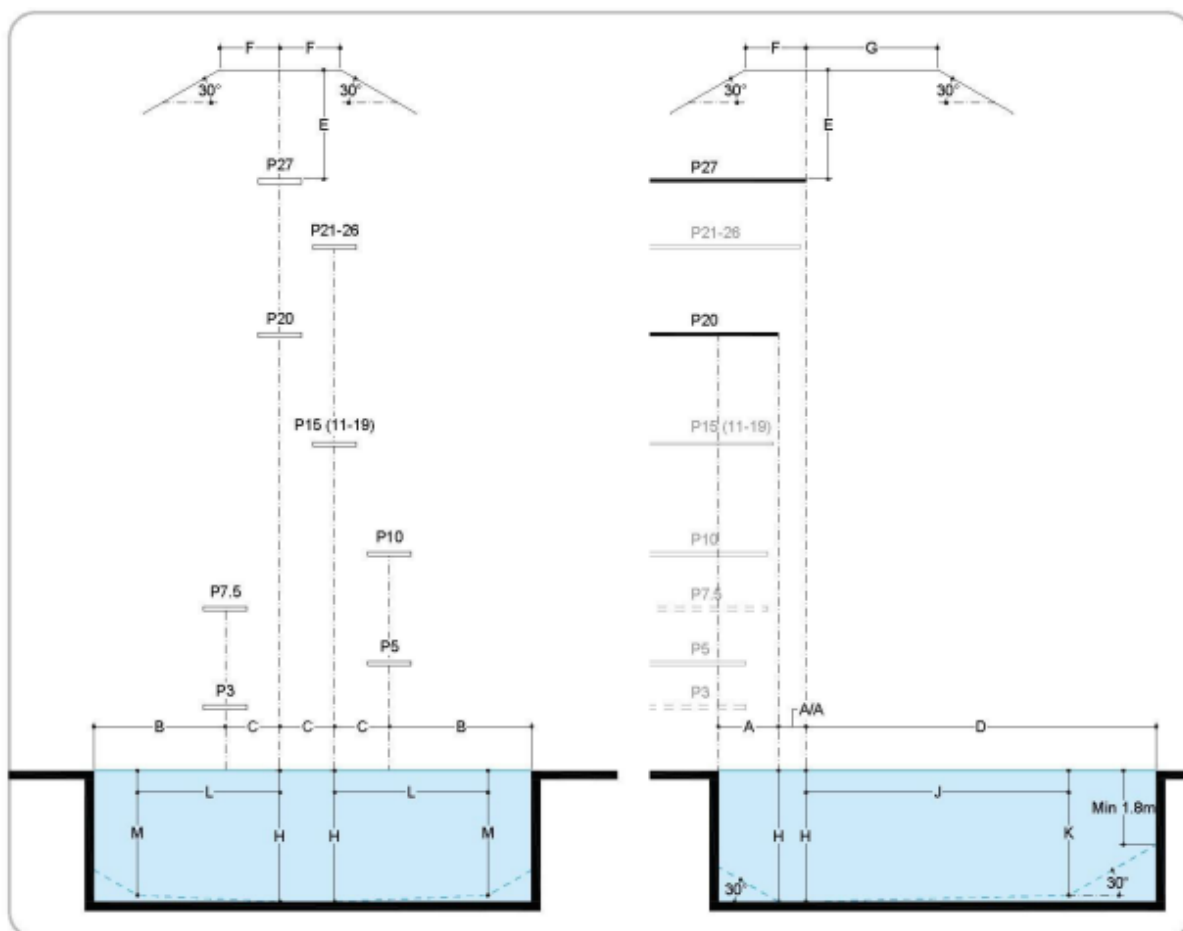
WORLD AQUATICS RULE	COMPLIANT	NONCOMPLIANT
PART 5, 12.1.2.8		

GENERAL REQUIREMENTS

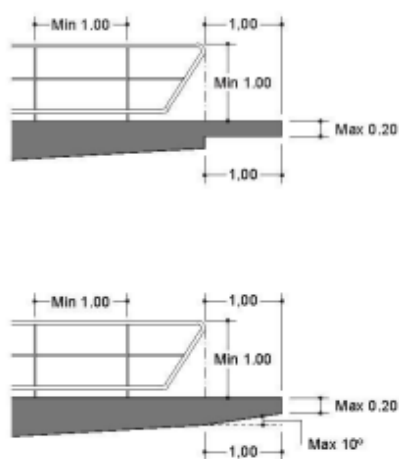
PART 5, 12.1.3.1 - For High Diving platforms designed and constructed after 31st December 2017 the minimum dimensions in metres for high diving facilities as detailed on the tables shown in Part 5, Appendix 1-4 shall prevail, using, as a basic measuring point of reference, the plummet line, which is a vertical line extending through the centre of the front edge of the platforms.

PART 5, Appendix 1 and PART 5, Appendix 2 have been included on the following pages for reference.

DIMENSION [M]	PLATFORM							
	P-3	P-5	P-7.5	P-10	P-15	P-20	P-21-26	P-27
A - PLUMMET BACK TO POOL WALL								
A/A - PLUMMET BACK TO PLATFORM								
B - PLUMMET TO POOL WALL AT SIDE								
C - PLUMMET TO ADJACENT PLUMMET								
D - PLUMMET FORWARD TO POOL WALL								
E - PLATFORM TO CEILING OR PLATFORM ABOVE								
F - CLEAR OVERHEAD SIDE								
G - CLEAR OVERHEAD FORWARD								
H - DEPTH OF WATER AT PLUMMET								
J - DISTANCE AHEAD OF PLUMMET AT DEPTH K								
K - DEPTH AHEAD OF PLUMMET AT DISTANCE J								
L - DISTANCE TO SIDE OF PLUMMET AT DEPTH M								
M - DEPTH TO SIDE OF PLUMMET AT DISTANCE L								
N - MAXIMUM SLOPE TO REDUCE DIMENSIONS BEYOND FULL REQUIREMENT FOR THE POOL DEPTH AND CEILING HEIGHT								
MAXIMUM LANDING ZONE WIDTH								
HANDRAIL MEASUREMENTS	COMPLIANT				NONCOMPLIANT			



Handrail and Platform Front Edge Detail



1. PART 5, APPENDIX 1

WORLD AQUATICS			PLATFORM															
Dimensions for High Diving Facilities			P 3		P 5		P 7.5		P 10		P 15 (P 11-19)		P 20		P 21-26		P 27	
	Length (Minimum 3)		5.00		5.00		5.00		5.00		5.00		5.00		5.00		5.00	
	Width (Minimum 3)		2.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00	
	Height		3.00		5.00		7.60		10.00		15.00		20.00		21.00 - 26.00		27.00	
			Tolerance 4)		± 0.05		± 0.05		± 0.05		± 0.05		± 0.05		± 0.05		± 0.05	
			Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
A	From plummet BACK TO POOL WALL or OBSTACLE	Designation	A-P3		A-P5		A-P7.5		A-P10		A-P15		A-P20		A-(P21-26)		A-P27	
		Minimum	1.25		1.25		1.25		1.50		1.75		2.00		2.00		2.00	
A/A	From plummet BACK TO PLATFORM plummet directly below	Designation			A/A-P5		A/A-P7.5		A/A-P10		A/A-P15		A/A-P20		A/A-(P21-26)		A/A-P27	
		Minimum			1.00		1.00		1.00		1.00		1.00		1.00		1.00	
B	From plummet POOL WALL or OBSTACLE AT SIDE	Designation	B-P3		B-P5		B-P7.5		B-P10		B-P15		B-P20		C-(P21-26)		B-P27	
		Minimum	3.50		3.75		4.50		5.50		5.50		6.00		6.50		7.00	
C	From plummet to ADJACENT PLUMMET 1)	Designation	C-P3		C-P5		C-P7.5		C-P10		C-P15		C-P20		C-(P21-26)		C-P27	
		Minimum	2.50		2.50		2.50		2.50		2.50		2.50		2.50		2.50	
D	From plummet to POOL WALL or OBSTACLE AHEAD	Designation	D-P3		D-P5		D-P7.5		D-P10		D-P15		D-P20		D-(P21-26)		D-P27	
		Minimum	9.50		10.25		11.00		13.50		14.00		14.00		15.00		15.00	
E	On plummet, from: PLATFORM TO CEILING/ PLATFORM ABOVE	Designation	E-P3		E-P5		E-P7.5		E-P10		E-P15		E-P20		E-(P21-26)		E-P27	
		Minimum	4.00		4.00		4.00		4.00		4.00		4.00		4.00		4.00	
F	Clear Overhead BEHIND AND EACH SIDE of plummet	Designation	F-P3	E-P3	F-P5	E-P5	F-P7.5	E-P7.5	F-P10	E-P10	F-P15	E-P15	F-P20	E-P20	F-(P21-26)	E-(P21-26)	F-P27	E-P27
		Minimum	2.75	3.50	2.75	4.00	2.75	4.00	2.75	4.00	2.75	4.00	2.75	4.00	2.75	4.00	2.75	4.00
G	Clear Overhead AHEAD of plummet	Designation	G-P3	E-P3	G-P5	E-P5	G-P7.5	E-P7.5	G-P10	E-P10	G-P15	E-P15	G-P20	E-P20	G-(P21-26)	E-(P21-26)	G-P27	E-P27
		Minimum	5.00	4.00	5.00	4.00	5.00	4.00	6.00	4.00	6.00	4.00	6.00	4.00	6.00	4.00	6.00	4.00
H	DEPTH OF WATER at plummet 2)	Designation	H-P3		H-P5		H-P7.5		H-P10		H-P15		H-P20		H-(P21-26)		H-P27	
		Minimum	3.60		3.80		4.50		5.00		5.50		5.80		5.80		5.80	
J	DISTANCE and DEPTH AHEAD of plummet for all stands	Designation	J-P3	K-P3	J-P5	K-P5	J-P7.5	K-P7.5	J-P10	K-P10	J-P15	K-P15	J-P20	K-P20	J-(P21-26)	K-(P21-26)	J-P27	K-P27
		Minimum	5.50	3.40	6.00	3.60	8.00	4.30	11.00	4.80	11.50	5.30	12.00	5.60	12.00	5.60	12.00	5.60
L	DISTANCE and DEPTH EACH SIDE of plummet	Designation	L-P3	M-P3	L-P5	M-P5	L-P7.5	M-P7.5	L-P10	M-P10	L-P15	M-P15	L-P20	M-P20	L-(P21-26)	M-(P21-26)	L-P27	M-P27
		Minimum	2.30	3.40	3.50	3.60	4.50	4.30	5.25	4.80	5.50	5.30	6.00	5.60	6.50	5.60	7.00	5.80
Maximum Slope to reduce dimensions beyond full requirements for pool depth and ceiling height = 30 Degrees																		
N																		

2. PART 5, APPENDIX 2

PART 5, 12.1.3.2 - The platforms shall face north in the northern hemisphere and south in the southern hemisphere where possible.

WORLD AQUATICS RULE	COMPLIANT	NONCOMPLIANT	N/A
PART 5, 12.1.3.2			

PART 5, 12.1.3.3 - The water temperature should be not less than 18°C in natural water venues and preferable not less than 26°C degrees in venues with an artificial pool.

WORLD AQUATICS RULE	COMPLIANT	NONCOMPLIANT
PART 5, 12.1.3.3		

PART 5, 12.1.3.4 - A certificate of suitability for use of the venue shall be issued by the appropriate local health and safety authorities. In general terms the certification must also relate to the general water quality for human use.

WORLD AQUATICS RULE	COMPLIANT	NONCOMPLIANT
PART 5, 12.1.3.4		

PART 5, 12.1.3.5 - The surface agitation shall be done by a strong horizontal water spray and the scuba divers must also provide additional splash when necessary. The water spray must not be mounted higher than 1.5m above the water level. The water spray should be strong and provide foamy white water for better visibility for the athletes. The spray or the foam must be strong enough to cover the landing area.

WORLD AQUATICS RULE	COMPLIANT	NONCOMPLIANT
PART 5, 12.1.3.5		

PART 5, 12.1.3.6 - The facility shall include wind measuring devices so 12.1.3.6 can be considered at the time of competition.

WORLD AQUATICS RULE	YES	NO
MEASURING DEVICE INCLUDED		

NOTES

The appropriate local authorities must certify that the minimum requirements are observed.

1. THE SIDE DISTANCE BETWEEN PLATFORMS MUST NOT BE LESS THAN 0.50M.
2. LEGACY POOLS ARE POOLS BUILT PRIOR TO 31ST DECEMBER 2017. THEY ARE PERMITTED TO HAVE A MINIMUM DEPTH OF 5M.
3. FOR HIGH DIVING EVENTS OTHER THAN WORLD AQUATICS CHAMPIONSHIPS AND WORLD AQUATICS WORLD CUPS THE FOLLOWING MINIMUM PLATFORM DIMENSIONS ARE ACCEPTED: LENGTH 2.0M / WIDTH 1.5M; ADJACENT PLATFORM DISTANCES BETWEEN PLATFORMS TO BE ADJUSTED ACCORDINGLY WITH RESPECT THE 0.50M DISTANCE BETWEEN THE PLATFORMS.
4. IN NATURAL BODIES OF WATER (SEA, LAKES, RIVERS ETC.) HEIGHT TOLERANCE: $\pm$ 1M.
5. 15.00M IS AN OFFICIAL HEIGHT FOR JUNIOR A COMPETITIONS AND DIMENSIONS VALID FOR ALL HEIGHTS BETWEEN 11.00 - 19.00M.

ADDITIONAL COMMENTS

THIS SECTION IS PROVIDED FOR ADDITIONAL COMMENTS:

SIGNATURES

BUILDING NAME			
SURVEYOR		SIGNATURE	
POOL EXPERT		SIGNATURE	
ORGANIZING BODY		SIGNATURE	
FEDERATION			
POOL NUMBER		DATE	