

# Casino dice minimum technical requirements

## Version 1.5

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# Contents

Casino Dice Minimum Technical Requirements	3
Definitions / Abbreviations	4
Categories of Casino Dice	4
Submission	4
General	5
Revision History	7



# Casino Dice Minimum Technical Requirements

This document describes the minimum technical requirements for casino dice. For a definition of casino dice refer to section 3.

## Policy

All new casino dice must be submitted to OLGR for evaluation and approval.

## Purpose

The purpose of this document is to:

- advise the industry of OLGR's minimum casino dice requirements.
- ensure requirements are consistently applied.
- achieve a high standard of integrity of casino dice.

## Scope

This document is applicable to Queensland casinos and the manufacturers of casino dice. These requirements apply to the technical evaluation of dice by OLGR for use in Queensland casinos.

## Related Documents:

*Casino Control Act 1982*

(<https://www.legislation.qld.gov.au/view/html/inforce/current/act-1982-078>)

Casino Control Regulation 1999

(<https://www.legislation.qld.gov.au/view/html/inforce/current/sl-1999-0127>)

Queensland Casino Gaming Rule

(<https://www.publications.qld.gov.au/dataset/gaming-rules>)

OLGR Submissions Requirements document

(<https://www.publications.qld.gov.au/dataset/submission-requirements-gaming>)

## Definitions / Abbreviations

**Casino Dice** – refers to dice used in a casino to randomly determine outcomes of games of chance.

**Dice Specification** – the document which describes the physical characteristics of a die and specifies the layout of the die faces.

**Dice Size** – The size of a die is the distance between the centre of one side of the die and the opposite side of the die.

## Categories of Casino Dice

### CRAPS

All dice for use in the Craps game are classified as “Craps” dice and must meet all the specific requirements for Craps dice.

### SIC BO

All dice for use in the Sic Bo game are classified as “Sic Bo” dice and must meet all the specific requirements for Sic Bo dice.

### PAI GOW

All dice for use in the Pai Gow game are classified as “Pai Gow” dice and must meet all the specific requirements for Pai Gow dice.

## Submission

The following requirements apply to all dice types except where otherwise stated.

- 4.1 Every submission under these requirements must comply with the latest version of the “Submissions Requirements” document.
- 4.2 A complete set of dice must be submitted.
- 4.3 Casino Dice submissions must contain the following information:
  - 4.3.1 The manufacturer of the dice.
  - 4.3.2 The colour of the dice.

- 4.3.3 The dimensions of the dice.
- 4.3.4 The casino game(s) with which the dice are designed for use.
- 4.3.5 A layout diagram which shows the faces of the dice.

## General

- 5.1 Dice (except for Sic Bo dice, which have rounded corners) must be formed in the shape of a perfect cube. All sides of the dice must be equal in dimension and have the same angle between the sides. Sic Bo dice should have equal dimensions along all sides, but the corners are rounded.
- 5.2 Dice must be transparent and made exclusively of cellulose except for the spots.
- 5.3 Dice must be manufactured to a tolerance of  $\pm 0.0006$  inches or  $\pm 0.01524$ mm or better.
- 5.4 All edges and corners must have a uniform finish.
- 5.5 The surface of each dice side must be flat.
- 5.6 Any markings on the dice must be flush with the dice surface.
- 5.7 The texture and finish of each side must be identical to each other side.
- 5.8 The weight of the dice should be evenly distributed throughout the dice with no side lighter or heavier than any other side.
- 5.9 Each die must have the Casino Name permanently imprinted, impressed, or engraved on one face.
- 5.10 Each die must have a unique set identifier permanently imprinted, impressed, or engraved on one face.
- 5.11 The substance used to fill the markings on each face must be the same density as the dice.
- 5.12 The rear surface of the dice markings must be visible through the dice from the opposing face.
- 5.13 Craps, Sic Bo and Pai Gow dice must also meet the following requirements:
  - 5.13.1 Each die must have faces numbered one to six.

5.13.2 Opposite faces of each die must sum to seven.

5.14 Craps Dice must also meet the following requirements:

5.14.1 A 'c' must be printed on the rear of the centre dot of the number three face. This marking must be visible through the dice.

5.14.2 The side of each die must be between 19.05mm and 19.80mm in size.

5.14.3 Dice must be supplied in sets of five with each die in the set displaying the same unique set identifier.

5.15 Sic Bo and Pai Gow Dice must also meet the following requirements:

5.15.1 The dice must be between 15.70mm and 16.10mm in size or between 24.00mm and 24.13mm in size.

5.15.2 Dice must be supplied in sets of three with each die in the set displaying the same identifying number.

## Revision History

Version	What	Who	Date
1.0	Combined requirements from Casino Equipment Checklist and Casino Control Act 1982. Initial Release.	CH	15/06/2006
1.1	Updated size requirements for dice to increase allowable size variations.	CH	01/09/2008
1.2	Added requirements for Mini Dice dice and merged Casino Equipment Manual specifications.	GW	3/8/2009
1.3	Updated to new DEEDI report document template	RLL	28/8/2010
1.3.1	Updated to new JAG report template	JG	12/4/16
1.4	Content review and related documents update. Update Cover page. Remove Mini Dice and Two-Up to align with current Casino Gaming Rule.	BR	20/08/2021
1.5	Removed reference to commissioning procedures undertaken by OLGR Casino Inspectorates from Policy and Scope. 4.3.4 Simplified to requiring the casino game with which the dice are designed for use. 5.1 Adjusted “perfect cube” requirement to exclude Sic Bo dice. 5.3 Changed millimetre tolerance to $\pm 0.01524$ (down from $\pm 0.01528$ ) to precisely equal the value in inches ( $\pm 0.0006$ ).	MM	24/6/2024