

NCIDQ

EXAMINATION

PSYCHOMETRIC AND VALIDATION STATISTICS



TO: California Department of Consumer Affairs

FROM Nadine McBride, Project Manager, Psychometrics

DATE: September 25, 2002

RE: NCIDQ Examination

The National Council of Interior Design Qualification (NCIDQ) has completed a practice analysis study (occupational analysis) for the NCIDQ exam. The current examination (through 2003) is based on the 1998 Analysis of the Interior Design Profession. Under the guidance of CASTLE Worldwide, Inc., NCIDQ is currently working on an update to the practice analysis study, and tests will be based on it beginning in 2004.

In addition, CASTLE Worldwide, Inc. conducts regular item analysis studies and uses them to ensure the quality of the examination.

National Council for Interior Design Qualification

Summary of the April 5 & 6, 2002 Test Administration

Section I: Principles and Practices of Interior Design

Summary Statistics of Candidate Performance on the Examination

Number of Candidates:	629	Number Passing:	463	Percent Passing:	73.61
Passing Point:	79	Number Failing:	166	Percent Failing:	26.39

	No. of Items	LOW Score	High Score	Mean S c o r e	Vari-ance	Std Dev	Reliab KR20	Std Err Meas	Dec Consis
Overall	125	55.00	109.00	84.85	105.24	10.26	0.74	5.21	.80

Domain01	23	7.00	22.00	16.28	8.48	2.91	0.55	1.96
Domain02	30	8.00	30.00	22.25	13.20	3.63	0.47	2.66
Domain03	30	9.00	29.00	20.50	11.79	3.43	0.48	2.48
Domain04	42	13.00	41.00	27.57	26.31	5.13	0.63	3.13

National Council for Interior Design Qualification

Summary of the April 5 & 6, 2002 Test Administration

Section II: Contract Documents and Administration

Summary Statistics of Candidate Performance on the Examination

Number of Candidates: 583 Number Passing: 468 Percent Passing: 80.27
Passing Point: 68 Number Failing: 115 Percent Failing: 19.73

	No. of Items	Low Score	High Score	Mean Score	Variance	Std Dev	Reliab KR20	Std Err Meas	Dec Consis
Overall	100	43.00	90.00	74.33	65.65	8.10	0.69	4.51	.81

Domain05	56	16.00	52.00	41.44	36.38	6.03	0.70	3.31
Domain06	44	16.00	40.00	31.17	18.19	4.27	0.49	3.04

National Council for Interior Design Qualification

Summary of the April 5 & 6, 2002 Test Administration

Section III: Practicum

Summary Statistics of Candidate Performance on the Examination

Number of Candidates: 759 Number Passing: 468 Percent Passing: 61.66
 Passing Point: 70 Number Failing: 291 Percent Failing: 33.34

	No. of Points	LOW Score	High Score	Mean Score	Variance	Std Dev	Coef. Alpha (raw)	Std Err Meas	Dec Consis
Scaled & Equated	100*	5.00	99.00	74.46	147.06	12.13			
Raw	65	0.00	65.00	35.68	271.79	16.49	.98	2.49	.98

***NOTE:** There are 65 scoring criteria which total 100 points when candidates receive credit for correct performance on all criteria

Interrater reliability analysis for Section III may be viewed in several ways:

- Percent of agreement between jurors on Yes/No observations for each scoring criterion, across candidates: 81.36
- Percent of instances in which both jurors agree on pass/fail decisions: 82.87
- Descriptive statistics (combined raw scores) and paired-sample t-test of the difference in means between jurors: Non-significant result ($p > .05$) indicates no difference between Juror 1 and Juror 2

	No. of Candidates	Low Score	High Score	Mean Score	Variance	Standard Deviation
Juror 1	1518	0.00	32.50	17.87	69.81	8.36
Juror 2	1518	0.00	32.50	17.81	69.19	8.32

Mean Difference	Df	t	p value Sig. (2-tailed)
0.056	1517	.876	.381

- Correlation of total raw scores computed for Juror 1 with total raw scores computed for Juror 2:

		Juror 1	Juror 2
Juror 1	Pearson's r	1	.955
	Sig. (2-tailed)		.000
	n	1518	1518
Juror 2	Pearson's r	.955	1
	Sig. (2-tailed)	.000	
	n	1518	1518

National Council for Interior Design Qualification

Summary of the April 5 & 6, 2002 Test Administration

Overall

Summary Statistics of Candidate Performance on the Examination

Number of Candidates Tested:	977	Number Registered:	1371	Number Certified:	431
Number Taking All 3 Sections:	434				
Number Passing All 3 Sections:	234	Number Failing All 3 Sections:	37		
Percent Passing All 3 Sections:	53.92	Percent Failing All 3 Sections:	8.53		