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To: Dispensing Optician Committee Members **Date:** September 22, 2017

From: Jessica Sieferman **Telephone:** (916) 575-7170
Executive Officer

Subject: **Agenda Item 8 –Update, Discussion and Possible Action Regarding Proposed Occupational Analysis and Audit of the American Board of Opticianry Examination and National Contact Lens Examination; Recommendation to Full Board**

The DOC raised concerns at its August 2017 meeting regarding the current American Board of Opticianry (ABO) examination and the National Contact Lens Examination (NCLE) and the relevance to California spectacle and contact lens applicants/registrants.

As a result, the DOC directed staff to work with DCA’s Office of Professional Examination Services (OPES) to obtain an occupational analysis (OA) proposal for DOC consideration at its September 2017 meeting. While an option for a modified OA was discussed – due to the smaller registrant population, OPES’ research showed the need to conduct full occupational analyses.

The cost breakdown for OPES to conduct an OA and national review for SLDs and CLDs is as follows:

Spectacle Lens Dispenser (SLD) Occupational Analysis Estimated Cost: \$52,848
Review of National Exam (ABO) and Linkage Study Estimated Cost: \$27,920

Contact Lens Dispenser (CLD) Occupational Analysis Estimated Cost: \$52,848
Review of National Exam (NCLE) and Linkage Study Estimated Cost: \$27,920

Note that the estimates **do not** include the cost of Subject Matter Expert (SME) honorarium and travel expenses.

After researching the programs, OPES determined that a standard occupational analysis (OA) is recommended, including a survey of practitioners. Our recommendation takes into consideration that there are approximately 3,000 spectacle lens dispensers and 1,200 contact lens dispensers; and that we have determined that there is minimal overlap in scope of practice between the two professions. In addition, this approach will best support the Board using outcomes from the OAs and national reviews for potentially changing license requirements.

OPES is proposing to perform the SLD OA and National Review in FY2018/19; and the CLD OA and National Review in FY2019/20. We do not believe there would be a cost saving to conducting both projects at the same time. In addition, the current proposal streamlines the SME recruitment efforts needed in that the Board would be recruiting SMEs for one license category at a time

The detailed proposals are attached for DOC consideration.

Attachments

1. SLD OA
2. ABO Linkage Study
3. CLD OA
4. NCLE Linkage Study

INTRA-AGENCY CONTRACT AGREEMENT (IAC) #XXXXX
BOARD OF OPTOMETRY
SPECTACLE LENS DISPENSER
OCCUPATIONAL ANALYSIS COSTS
FISCAL YEAR 2018-19

	Test Validation Staff				Editor		Support Staff		Totals	GRAND TOTAL
	\$72		\$102		\$67		\$52			
	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost		
1. Review Background Information										\$ 3,456
Review past Occupational Analysis	8	\$ 576							\$ 576	
Review changes in Law and Practice	24	\$ 1,728							\$ 1,728	
Identify emerging trends and considerations	16	\$ 1,152							\$ 1,152	
2. Develop Job Content and Structure										\$ 10,248
Schedule and conduct 10 interviews	48	\$ 3,456							\$ 3,456	
Transcribe interview information	32	\$ 2,304							\$ 2,304	
Develop preliminary list of task and knowledge statements	40	\$ 2,880			24	\$ 1,608			\$ 4,488	
3. Review Task and Knowledge Statements Workshop										\$ 6,480
Prepare for 2-day workshop	16	\$ 1,152					2	\$ 104	\$ 1,256	
Conduct workshop	16	\$ 1,152	4	\$ 408					\$ 1,560	
Revise task and knowledge statements	24	\$ 1,728			16	\$ 1,072			\$ 2,800	
Develop demographic items and rating scales	12	\$ 864							\$ 864	
4. Construct and Launch Questionnaire/Survey										\$ 8,480
Determine notification/sampling plan	24	\$ 1,728							\$ 1,728	
Prepare draft of questionnaire	24	\$ 1,728			24	\$ 1,608			\$ 3,336	
Configure on-line survey instrument	24	\$ 1,728			8	\$ 536			\$ 2,264	
Conduct final online survey	16	\$ 1,152							\$ 1,152	
5. Prepare/Convert Survey Data										\$ 2,880
Download data files	8	\$ 576							\$ 576	
Convert and merge data files for final analysis	32	\$ 2,304							\$ 2,304	
6. Analyze Questionnaire Data										\$ 2,880
Analyze demographics, task and knowledge statements	24	\$ 1,728							\$ 1,728	
Develop description of practice	16	\$ 1,152							\$ 1,152	
7. Review Results of Occupational Analysis Workshop										\$ 6,192
Prepare for 2-day workshop	16	\$ 1,152					2	\$ 104	\$ 1,256	
Conduct workshop	16	\$ 1,152	4	\$ 408					\$ 1,560	
Develop description of practice/examination outline	32	\$ 2,304			16	\$ 1,072			\$ 3,376	
8. Prepare/Submit Validation Report										\$ 6,752
Prepare draft of report	40	\$ 2,880			24	\$ 1,608			\$ 4,488	
Prepare, print and submit final validation report	24	\$ 1,728			8	\$ 536			\$ 2,264	
Administrative Support										\$ 5,480
Technical oversight (40 hours @ \$76/hour)									\$ 3,040	
Cost oversight (40 hours @ \$61/hour)									\$ 2,440	
TOTAL	532	\$38,304	8	\$816	120	\$8,040	4	\$208	\$52,848	\$52,848

NOTE:

Cost estimates for project do not include SME costs (travel, hotel, per diem, etc.)

Board should add SME costs for 16 - 20 participants (2 workshops x 8-10 participants)

If Board does not have email addresses for licensees, then costs for postage, letters, and copy/printing should also be added

Any travel costs associated with an OPES presentation of the OA results to the Board will be billed as actuals

**INTRA-AGENCY CONTRACT AGREEMENT (IAC) #XXXXX
BOARD OF OPTOMETRY
SPECTACLE LENS DISPENSER
REVIEW OF NATIONAL EXAM (ABO) AND LINKAGE STUDY COSTS
FISCAL YEAR 2018/19**

	Test Validation Staff				Editor		Support Staff		Totals	GRAND TOTAL
	Hours	\$72 Cost	OT Hours	\$102 Cost	Hours	\$67 Cost	Hours	\$52 Cost		
1. Review Background Information										
Review ABO Examination Information	40	\$ 2,880							\$ 2,880	
Review ABO Occupational Analysis	24	\$ 1,728							\$ 1,728	
Review ABO Exam Administration Procedures	32	\$ 2,304							\$ 2,304	
										\$ 6,912
2. Review Psychometric Quality of ABO Exam										
Evaluate Psychometric Quality of ABO Exams	40	\$ 2,880							\$ 2,880	
										\$ 2,880
3. Linkage Study of ABO Exam Plan and CA OA Results										
Prepare for Linkage Study workshop	16	\$ 1,152							\$ 1,152	
Conduct 2-day workshop with SMEs	8	\$ 576	12	\$ 1,224			2	\$ 104	\$ 1,904	
Compile results of workshop	16	\$ 1,152			4	\$ 268			\$ 1,420	
										\$ 4,476
4. Data Analysis										
Analyze Linkage Study Results	32	\$ 2,304							\$ 2,304	
										\$ 2,304
5. Submit Report										
Prepare draft of ABO Review & Linkage Study Report	40	\$ 2,880			24	\$ 1,608			\$ 4,488	
Prepare, print and submit final Audit Report	8	\$ 576			12	\$ 804			\$ 1,380	
										\$ 5,868
Administrative Support										
Technical oversight (40 hours @ \$76/hour)									\$ 3,040	
Cost oversight (40 hours @ \$61/hour)									\$ 2,440	
										\$ 5,480
TOTAL	256	\$ 18,432	12	\$ 1,224	40	\$ 2,680	2	\$ 104	\$ 27,920	\$ 27,920

NOTE:

- Cost estimates for project do not include SME costs (travel, hotel, per diem, etc.)
- Board should add SME costs for 8-10 participants (1 workshop x 8-10 participants)
- Any travel costs associated with an OPES presentation of the Audit results to the Board will be billed as actuals

DRAFT ESTIMATE

**INTRA-AGENCY CONTRACT AGREEMENT (IAC) #XXXXX
BOARD OF OPTOMETRY
CONTACT LENS DISPENSER
OCCUPATIONAL ANALYSIS COSTS
FISCAL YEAR 2019-20**

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