

# **Appendix H—ITEM RESPONSE THEORY CALIBRATION RESULTS**

**Table H-1. 2010 MEPA: IRT Parameters for Dichotomous Items—Grade Span K–2**

IABS	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
136910R	1	0	-3.00674	0	0	0
136901R	1	0	-2.93500	0	0	0
136938R	1	0	-1.82391	0	0	0
112585R	1	0	-1.43820	0.01888	0	0
176723R	1	0	-1.41274	0.01845	0	0
176725R	1	0	-0.84203	0.01245	0	0
176727R	1	0	-0.47944	0.01184	0	0
176730R	1	0	-0.82917	0.01239	0	0
166270R	1	0	-1.26976	0.01632	0	0
166272R	1	0	-0.60681	0.01179	0	0
176733R	1	0	-1.23845	0.01591	0	0
152145R	1	0	-1.06920	0	0	0
137107R	1	0	-1.00065	0	0	0
137104R	1	0	-0.74213	0	0	0
137112R	1	0	-1.02798	0	0	0
137173R	1	0	-0.73198	0	0	0
137174R	1	0	-0.85521	0	0	0
137175R	1	0	-0.90029	0	0	0
136980W	1	0	-1.43089	0	0	0
137550W	1	0	-1.09410	0	0	0
136990W	1	0	-1.20963	0	0	0

**Table H-2. 2010 MEPA: IRT Parameters for Polytomous Items—Grade Span K–2**

IABS	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
166283W	1	0	-0.28901	0.00841	0	0	0	0	0.20043	0.01335	-0.20043	0.01511				
166285W	1	0	-0.38682	0.00805	0	0	0	0	0.08778	0.01381	-0.08778	0.01487				
136911W	1	0	-0.04368	0.00927	0	0	0	0	0.09632	0.01362	-0.09632	0.01679				
136914W	1	0	-0.32914	0.00806	0	0	0	0	-0.02492	0.01418	0.02492	0.01546				
Listening	1	0	-0.98282	0	0	0	0	0	1.44855	0	0.83286	0	0.30798	0	-0.7742	0
Fluency	1	0	-0.76635	0	0	0	0	0	1.55146	0	0.77547	0	0.18334	0	-0.73521	0
Vocabulary	1	0	-0.72538	0	0	0	0	0	1.55152	0	0.93157	0	0.33805	0	-0.90951	0
Pronunciation	1	0	-0.79655	0	0	0	0	0	1.33824	0	1.00788	0	0.23663	0	-0.80035	0
Grammar	1	0	-0.62562	0	0	0	0	0	1.49674	0	1.04249	0	0.06723	0	-0.77306	0

continued

<i>IABS</i>	<i>Parameters and Measures of Standard Error</i>	
	<i>D5</i>	<i>SE (D5)</i>
Listening	-1.81519	0
Fluency	-1.77506	0
Vocabulary	-1.91162	0
Pronunciation	-1.78241	0
Grammar	-1.8334	0

**Table H-3. 2010 MEPA: IRT Parameters for Dichotomous Items—Grade Span 3–4**

<i>IABS</i>	<i>Parameters and Measures of Standard Error</i>					
	<i>a</i>	<i>SE (a)</i>	<i>b</i>	<i>SE (b)</i>	<i>c</i>	<i>SE (c)</i>
135762R	0.7087	0	-2.82356	0	0	0
135755R	0.48917	0	-2.66141	0	0	0
135800R	0.75571	0	-2.36755	0	0	0
135745R	0.8119	0	-2.61793	0	0	0
135857R	0.95704	0	-2.70758	0	0	0
135821R	0.52393	0	-2.38086	0	0	0
135860R	0.66909	0	-2.18666	0	0	0
135889R	0.68341	0	-2.0725	0	0	0
135866R	0.63351	0	-1.01084	0	0	0
135933R	0.94611	0	-1.53624	0	0	0
135947R	0.68657	0	-2.29038	0	0	0
135936R	0.40196	0	-1.51403	0	0	0
135943R	0.60397	0	-1.5943	0	0	0
135918R	0.64582	0	-1.18197	0	0	0
137423R	0.44469	0	-1.39523	0	0	0
135979R	0.76703	0	-1.09138	0	0	0
135962R	0.89605	0	-1.63088	0	0	0
135957R	0.84754	0	-1.47367	0	0	0
135742W	0.90754	0	-1.5367	0	0	0
135849W	0.6826	0	-1.683	0	0	0
135801W	0.54257	0	-1.13888	0	0	0
135761W	0.74415	0	-1.42658	0	0	0
135790W	0.61399	0	-1.41212	0	0	0

continued

IABS	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
135864W	0.56549	0	-1.36091	0	0	0
110940W	0.82222	0.02859	-1.12167	0.0452	0	0
135749W	0.42107	0	-0.59536	0	0	0
135886R	0.5954	0	-1.40855	0	0	0
135888R	0.78439	0	-2.25268	0	0	0
135893R	0.43626	0	0.13218	0	0	0
135887R	0.54653	0	-0.19628	0	0	0
135880R	0.92909	0	-0.46766	0	0	0
135937R	0.62325	0	-0.28343	0	0	0
135914R	0.57164	0	-0.97117	0	0	0
135912R	0.59046	0	-0.88063	0	0	0
137427R	0.44961	0	0.04703	0	0	0
136073W	0.48776	0	-2.48905	0	0	0
135997W	0.90776	0	-2.5423	0	0	0
136088W	0.63579	0	-1.72411	0	0	0
136082W	0.85838	0	-1.68226	0	0	0

**Table H-4. 2010 MEPA: IRT Parameters for Polytomous Items—Grade Span 3–4**

IABS	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
136101W	0.97217	0	0.63787	0	0	0	2.70161	0	0.87538	0	-0.91976	0	-2.65723	0	0	0
136094W	0.86322	0	0.37986	0	0	0	2.84431	0	0.54820	0	-1.00619	0	-2.38633	0	0	0
136107W	0.96387	0	0.50367	0	0	0	2.39457	0	0.75169	0	-0.93178	0	-2.21447	0	0	0
135799R	0.59772	0	-2.74865	0	0	0	0.91058	0	-0.91058	0	0	0				
135813R	0.79746	0	-2.35073	0	0	0	0.68938	0	-0.68938	0	0	0				
137416R	0.76115	0	-1.72556	0	0	0	1.02436	0	-1.02436	0	0	0				
135951R	0.79227	0	0.00400	0	0	0	1.47547	0	-1.47547	0	0	0				
136010R	0.76054	0	0.10180	0	0	0	1.29345	0	-1.29345	0	0	0				
135901W	0.90271	0	-1.53663	0	0	0	1.00367	0	-1.00367	0	0	0				
135916W	0.93923	0	-1.22224	0	0	0	1.38078	0	-1.38078	0	0	0				
136115W	0.85311	0	-1.14358	0	0	0	0.79600	0	-0.79600	0	0	0				
136127W	0.88294	0	-0.86271	0	0	0	0.74322	0	-0.74322	0	0	0				
136129W	0.80283	0	-0.39060	0	0	0	1.14730	0	-1.14730	0	0	0				
136121W	0.8953	0	-0.51471	0	0	0	1.00048	0	-1.00048	0	0	0				
135960W	0.79998	0	-1.13656	0	0	0	1.22995	0	-1.22995	0	0	0				

continued

IABS	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
135958W	0.73046	0	-0.29962	0	0	0	0.55405	0	-0.55405	0	0	0				
135948R	1.01971	0	0.77281	0	0	0	0.85392	0	-0.85392	0	0	0				
135910R	0.86327	0	1.52078	0	0	0	2.16966	0	0.57313	0	-0.79044	0	-1.95234	0	0	0
Listening	1	0	-1.81392	0	0	0	2.36209	0	1.16895	0	0.20073	0	-1.07606	0	-2.65572	0
Fluency	1	0	-1.55585	0	0	0	2.36725	0	1.06783	0	0.20315	0	-1.01294	0	-2.62529	0
Vocabulary	1	0	-1.47072	0	0	0	2.48364	0	1.22113	0	0.30241	0	-1.16894	0	-2.83825	0
Pronunciation	1	0	-1.60448	0	0	0	2.33869	0	1.17640	0	0.20466	0	-1.09304	0	-2.62670	0
Grammar	1	0	-1.33220	0	0	0	2.37978	0	1.24278	0	0.16622	0	-1.04860	0	-2.74016	0

IABS	Parameters and Measures of Standard Error	
	D5	SE (D5)
Listening	0	0
Fluency	0	0
Vocabulary	0	0
Pronunciation	0	0
Grammar	0	0

**Table H-5. 2010 MEPA: IRT Parameters for Dichotomous Items—Grade Span 5–6**

IABS	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
136039R	0.93765	0	-2.9046	0	0	0
136043R	0.84702	0	-3.13095	0	0	0
136030R	0.6412	0	-2.08047	0	0	0
136062R	0.81425	0	-1.05018	0	0	0
136079R	0.79937	0	-2.66184	0	0	0
136083R	0.71842	0	-2.4304	0	0	0
136093R	0.56235	0	-2.52758	0	0	0
136085R	0.82549	0	-1.7212	0	0	0
136086R	0.44265	0	-1.24925	0	0	0
111196R	0.69784	0.01782	-0.90569	0.03143	0	0
111078R	0.5198	0.01482	-0.49919	0.03353	0	0
111088R	0.61489	0.01646	-1.09826	0.03707	0	0
111203R	0.42916	0.01405	-1.8769	0.06607	0	0
111093R	0.48121	0.01425	-0.85218	0.04059	0	0

continued

<i>IABS</i>	<i>Parameters and Measures of Standard Error</i>					
	<i>a</i>	<i>SE (a)</i>	<i>b</i>	<i>SE (b)</i>	<i>c</i>	<i>SE (c)</i>
111215R	0.58077	0	-1.006	0	0	0
111211R	0.42171	0.01383	0.12131	0.03374	0	0
111226R	0.61734	0.01632	-0.71935	0.03195	0	0
111232R	0.48139	0	0.09034	0	0	0
136029W	0.71114	0	-1.46862	0	0	0
136037W	0.51799	0	-2.0316	0	0	0
136046W	0.4298	0	-0.68647	0	0	0
136042W	0.64205	0	0.11815	0	0	0
136431W	0.65954	0	-0.73218	0	0	0
136414W	0.44652	0	-0.6161	0	0	0
136433W	0.5651	0	-0.57791	0	0	0
136441W	0.50613	0	-0.43363	0	0	0
136132R	0.72461	0	-2.05121	0	0	0
136149R	0.82873	0	-0.83808	0	0	0
136130R	0.81767	0	-0.58492	0	0	0
136122R	0.85906	0	-1.03593	0	0	0
136153R	0.47345	0	-0.61029	0	0	0
136410R	0.87272	0.02963	-0.43194	0.0331	0	0
136400R	0.62442	0	-0.59553	0	0	0
137562R	0.47005	0	-0.35893	0	0	0
136399R	0.50905	0	-1.10107	0	0	0
136228W	1.05613	0	-2.44258	0	0	0
136236W	0.75666	0	-2.01499	0	0	0
136189W	0.92937	0	-2.44677	0	0	0
136215W	0.71934	0	-2.81044	0	0	0

**Table H-6. 2010 MEPA: IRT Parameters for Polytomous Items—Grade Span 5–6**

<i>IABS</i>	<i>Parameters and Measures of Standard Error</i>															
	<i>a</i>	<i>SE (a)</i>	<i>b</i>	<i>SE (b)</i>	<i>c</i>	<i>SE (c)</i>	<i>D0</i>	<i>SE (D0)</i>	<i>D1</i>	<i>SE (D1)</i>	<i>D2</i>	<i>SE (D2)</i>	<i>D3</i>	<i>SE (D3)</i>	<i>D4</i>	<i>SE (D4)</i>
136245W	1.12918	0	0.47100	0	0	0	2.51180	0	1.00391	0	-0.98418	0	-2.53153	0	0	0
136272W	1.09573	0	0.93582	0	0	0	2.19470	0	0.70837	0	-0.90566	0	-1.99740	0	0	0
136298W	0.75679	0	1.13549	0	0	0	2.64030	0	0.94908	0	-0.94010	0	-2.64928	0	0	0
136058R	0.96542	0	-2.39654	0	0	0	0.24090	0	-0.24090	0	0	0				
136068R	0.78222	0	-1.78286	0	0	0	0.99031	0	-0.99031	0	0	0				

continued

IABS	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
136081R	0.70196	0	-1.79233	0	0	0	1.17096	0	-1.17096	0	0	0				
111094R	0.73829	0.00987	0.57028	0.02001	0	0	1.69028	0.02552	-1.69028	0.02897	0	0				
111234R	0.63456	0.00878	1.11843	0.02184	0	0	1.54869	0.02473	-1.54869	0.03551	0	0				
136164W	0.96212	0	-1.76836	0	0	0	1.02733	0	-1.02733	0	0	0				
136158W	0.87771	0	-1.79060	0	0	0	0.95413	0	-0.95413	0	0	0				
136160W	0.86296	0	-2.12040	0	0	0	0.96786	0	-0.96786	0	0	0				
136300W	1.24348	0	-1.51209	0	0	0	0.36844	0	-0.36844	0	0	0				
136315W	0.84011	0	-0.71767	0	0	0	0.97220	0	-0.97220	0	0	0				
136181W	0.82025	0	-1.42111	0	0	0	1.32783	0	-1.32783	0	0	0				
136147W	0.87416	0	-1.07269	0	0	0	1.31674	0	-1.31674	0	0	0				
136144W	1.04427	0	-0.74994	0	0	0	0.74664	0	-0.74664	0	0	0				
136167R	1.01636	0	-0.06027	0	0	0	1.05881	0	-1.05881	0	0	0				
136412R	0.85958	0	1.40175	0	0	0	1.94726	0	0.63598	0	-0.77785	0	-1.80539	0	0	0
Listening	1	0	-1.57309	0	0	0	2.28164	0	1.05342	0	0.11521	0	-1.04750	0	-2.40277	0
Fluency	1	0	-1.32429	0	0	0	2.25649	0	1.02734	0	0.07651	0	-0.99239	0	-2.36794	0
Vocabulary	1	0	-1.26409	0	0	0	2.49655	0	1.10728	0	0.17938	0	-1.14017	0	-2.64304	0
Pronunciation	1	0	-1.33363	0	0	0	2.32928	0	1.09002	0	0.07700	0	-1.08760	0	-2.40869	0
Grammar	1	0	-1.15567	0	0	0	2.38620	0	1.14932	0	0.05819	0	-1.05211	0	-2.54159	0

IABS	Parameters and Measures of Standard Error	
	D5	SE (D5)
Listening	0	0
Fluency	0	0
Vocabulary	0	0
Pronunciation	0	0
Grammar	0	0

**Table H-7. 2010 MEPA: IRT Parameters for Dichotomous Items—Grade Span 7–8**

IABS	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
136209R	0.74617	0	-3.01966	0	0	0
136176R	0.71906	0	-2.61193	0	0	0
136238R	0.54405	0	-1.73824	0	0	0
136169R	0.79438	0	-2.09731	0	0	0
136252R	0.58279	0	-2.08043	0	0	0

continued

<i>IABS</i>	<i>Parameters and Measures of Standard Error</i>					
	<i>a</i>	<i>SE (a)</i>	<i>b</i>	<i>SE (b)</i>	<i>c</i>	<i>SE (c)</i>
136226R	0.33393	0	-1.60456	0	0	0
111463R	0.21003	0.02441	-0.24894	0.15472	0	0
111462R	0.32727	0.02662	-2.1834	0.11972	0	0
136284R	0.68052	0	-0.93548	0	0	0
136606R	0.66219	0	-0.85752	0	0	0
136605R	0.5511	0	-0.4532	0	0	0
140809R	0.43482	0	-0.67198	0	0	0
136592R	0.55962	0	-1.08439	0	0	0
136601R	0.77318	0	-0.72361	0	0	0
177236R	0.87649	0.02314	-0.67702	0.02659	0	0
111532R	0.34103	0	-0.49166	0	0	0
111534R	0.29505	0.0136	-1.1153	0.07409	0	0
111536R	0.79441	0.0213	-0.52387	0.02699	0	0
136379W	0.8705	0	-1.58549	0	0	0
136367W	0.60896	0	-1.99415	0	0	0
136382W	0.61357	0	-1.91126	0	0	0
136368W	0.53105	0	-0.27541	0	0	0
136517W	0.48823	0	-0.90393	0	0	0
136555W	0.54504	0	-0.76712	0	0	0
136523W	0.47037	0	-0.70008	0	0	0
136548W	0.72174	0	-1.62463	0	0	0
136744R	0.63835	0	-0.72383	0	0	0
136749R	0.61989	0	-0.32866	0	0	0
136748R	0.30259	0	0.07734	0	0	0
136742R	0.43231	0	-0.65895	0	0	0
136747R	0.51284	0	0.38282	0	0	0
136483R	0.49797	0	-0.81132	0	0	0
136488R	0.54898	0	-0.85959	0	0	0
136466R	0.63944	0	-0.87228	0	0	0
136470R	0.62469	0	-0.18675	0	0	0
136288W	0.6425	0	-2.95895	0	0	0
136296W	0.7535	0	-1.32523	0	0	0
137633W	0.81941	0	-1.94634	0	0	0
136304W	0.82444	0	-1.87468	0	0	0



**Table H-8. 2010 MEPA: IRT Parameters for Polytomous Items—Grade Span 7–8**

IABS	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
136331W	1.04508	0	0.70066	0	0	0	2.88234	0	0.73190	0	-1.03556	0	-2.57869	0	0	0
136389W	1.08481	0	0.42057	0	0	0	2.22619	0	0.67551	0	-0.81113	0	-2.09057	0	0	0
136369W	0.97620	0	0.22807	0	0	0	2.05531	0	0.82235	0	-0.84492	0	-2.03274	0	0	0
136390R	1.02701	0	-1.81565	0	0	0	0.44357	0	-0.44357	0	0	0				
136452R	0.65082	0	-1.63848	0	0	0	0.94119	0	-0.94119	0	0	0				
136421R	0.70073	0	-0.82577	0	0	0	1.50968	0	-1.50968	0	0	0				
136631R	0.88627	0	0.42679	0	0	0	1.30706	0	-1.30706	0	0	0				
111537R	0.56416	0	0.66037	0	0	0	1.52431	0	-1.52431	0	0	0				
136250W	0.93039	0	-1.72325	0	0	0	0.94447	0	-0.94447	0	0	0				
136233W	1.01172	0	-1.52692	0	0	0	0.71231	0	-0.71231	0	0	0				
111214W	0.81031	0.02519	-0.39335	0.03520	0	0	0.92397	0.04065	-0.92397	0.04872	0	0				
111181W	1.11855	0.03504	-1.24356	0.02624	0	0	0.88924	0.03683	-0.88924	0.0332	0	0				
136397W	1.02563	0	-0.79290	0	0	0	0.62732	0	-0.62732	0	0	0				
136254W	0.96994	0	-1.10563	0	0	0	0.87930	0	-0.87930	0	0	0				
136265W	0.99560	0	-0.68360	0	0	0	1.00491	0	-1.00491	0	0	0				
137778W	1.08000	0	-1.05375	0	0	0	0.92976	0	-0.92976	0	0	0				
136757R	0.65811	0	0.49928	0	0	0	1.91380	0	-1.91380	0	0	0				
136522R	0.89456	0	0.98004	0	0	0	2.56679	0	0.68711	0	-0.80841	0	-2.44550	0	0	0
Listening	1	0	-1.31488	0	0	0	2.33311	0	1.08084	0	0.05900	0	-1.09959	0	-2.37337	0
Fluency	1	0	-0.97405	0	0	0	2.26941	0	0.98257	0	0.04972	0	-0.99645	0	-2.30525	0
Vocabulary	1	0	-0.92347	0	0	0	2.44518	0	1.13990	0	0.09306	0	-1.13885	0	-2.53929	0
Pronunciation	1	0	-0.94991	0	0	0	2.36242	0	1.13365	0	0.04877	0	-1.14330	0	-2.40154	0
Grammar	1	0	-0.80630	0	0	0	2.39577	0	1.13618	0	0.02552	0	-1.08151	0	-2.47595	0

IABS	Parameters and Measures of Standard Error	
	D5	SE (D5)
Listening	0	0
Fluency	0	0
Vocabulary	0	0
Pronunciation	0	0
Grammar	0	0

**Table H-9. 2010 MEPA: IRT Parameters for Dichotomous Items—Grade Span 9–12**

<i>IABS</i>	<i>Parameters and Measures of Standard Error</i>					
	<i>a</i>	<i>SE (a)</i>	<i>b</i>	<i>SE (b)</i>	<i>c</i>	<i>SE (c)</i>
136515R	0.65426	0	-3.4456	0	0	0
136509R	0.84373	0	-1.90447	0	0	0
136560R	0.90241	0	-1.84941	0	0	0
136526R	0.78094	0	-2.75545	0	0	0
136613R	0.98889	0	-1.71755	0	0	0
136490R	0.62297	0	-1.40042	0	0	0
136501R	0.69232	0	-1.01518	0	0	0
136506R	0.69543	0	-1.18199	0	0	0
136639R	0.71464	0	-0.68605	0	0	0
111646R	0.61505	0	-0.42992	0	0	0
111649R	1.0318	0.02289	-0.84514	0.01891	0	0
111583R	0.50132	0.0147	0.17462	0.02598	0	0
111652R	0.71605	0.01749	-0.82274	0.02487	0	0
111588R	0.78728	0.01843	-0.75616	0.02237	0	0
136645R	0.71113	0	-1.18188	0	0	0
172952R	0.75467	0.01799	-0.78123	0.02339	0	0
136667R	0.62425	0	-0.69441	0	0	0
136654R	0.50035	0	-1.80388	0	0	0
136677W	0.83928	0	-1.51739	0	0	0
136685W	0.89759	0	-1.14483	0	0	0
136659W	0.71701	0	-1.22195	0	0	0
136684W	1.04259	0	-0.44346	0	0	0
137400W	0.44191	0	-0.801	0	0	0
137403W	0.51596	0	-0.32289	0	0	0
137401W	0.55789	0	-0.1295	0	0	0
137406W	0.30194	0	0.15432	0	0	0
136756R	0.71105	0	-0.40194	0	0	0
136759R	0.5645	0	-0.12862	0	0	0
136745R	0.80031	0	-0.99454	0	0	0
141236R	0.58704	0	-0.79916	0	0	0
136738R	0.83355	0	0.02761	0	0	0
136541R	0.75867	0	-1.17686	0	0	0
136544R	0.62741	0	-0.47165	0	0	0

continued

IABS	Parameters and Measures of Standard Error					
	a	SE (a)	b	SE (b)	c	SE (c)
136539R	0.80016	0	-0.98489	0	0	0
136532R	0.52835	0	0.01191	0	0	0
137323W	1.06952	0	-1.80468	0	0	0
137331W	1.06085	0	-1.40191	0	0	0
137320W	0.81315	0	-1.91449	0	0	0
137316W	0.9109	0	-1.85265	0	0	0

**Table H-10. 2010 MEPA: IRT Parameters for Polytomous Items—Grade Span 9–12**

IABS	Parameters and Measures of Standard Error															
	a	SE (a)	b	SE (b)	c	SE (c)	D0	SE (D0)	D1	SE (D1)	D2	SE (D2)	D3	SE (D3)	D4	SE (D4)
137336W	0.95949	0	0.25545	0	0	0	1.64785	0	0.72080	0	-0.48825	0	-1.88040	0	0	0
137364W	1.22936	0	0.37710	0	0	0	1.67886	0	0.69910	0	-0.66064	0	-1.71732	0	0	0
137368W	1.19740	0	0.61285	0	0	0	1.56584	0	0.75522	0	-0.60067	0	-1.72039	0	0	0
136807R	0.84212	0	-1.23661	0	0	0	0.55031	0	-0.55031	0	0.00000	0				
111545R	0.77688	0.01926	-1.57250	0.02793	0	0	0.82445	0.03957	-0.82445	0.02971	0.00000	0				
136823R	0.52847	0	-1.06930	0	0	0	1.91991	0	-1.91991	0	0.00000	0				
111653R	1.05464	0	0.67947	0	0	0	0.89434	0	-0.89434	0	0.00000	0				
136682R	0.87757	0	0.66953	0	0	0	1.12180	0	-1.12180	0	0.00000	0				
137306W	1.05708	0	-1.15192	0	0	0	0.80175	0	-0.80175	0	0.00000	0				
137312W	1.22965	0	-0.97815	0	0	0	0.49894	0	-0.49894	0	0.00000	0				
136647W	0.95666	0	-1.30624	0	0	0	0.97367	0	-0.97367	0	0.00000	0				
111308W	1.41698	0.03276	-0.96805	0.01612	0	0	0.80232	0.02319	-0.80232	0.0205	0.00000	0				
137657W	1.19856	0	-0.29986	0	0	0	0.40301	0	-0.40301	0	0.00000	0				
137292W	1.12441	0	-0.39919	0	0	0	1.21052	0	-1.21052	0	0.00000	0				
111311W	0.78762	0.01252	-0.16564	0.01961	0	0	1.34317	0.03347	-1.34317	0.02218	0.00000	0				
137301W	0.97800	0	0.53942	0	0	0	0.70217	0	-0.70217	0	0.00000	0				
136764R	0.69163	0	0.49802	0	0	0	0.65847	0	-0.65847	0	0.00000	0				
136565R	1.14516	0	1.23678	0	0	0	1.90120	0	0.57639	0	-0.66428	0	-1.81332	0	0	0
Listening	1	0	-1.31918	0	0	0	2.35009	0	1.08653	0	0.02010	0	-1.08721	0	-2.36952	0
Fluency	1	0	-0.93570	0	0	0	2.35461	0	1.05040	0	0.04839	0	-1.05833	0	-2.39508	0
Vocabulary	1	0	-0.89229	0	0	0	2.44632	0	1.16978	0	0.12188	0	-1.14822	0	-2.58976	0
Pronunciation	1	0	-0.85416	0	0	0	2.50190	0	1.26345	0	0.07366	0	-1.19760	0	-2.64140	0
Grammar	1	0	-0.76411	0	0	0	2.43858	0	1.21459	0	0.04332	0	-1.11055	0	-2.58595	0

continued

<i>IABS</i>	<i>Parameters and Measures of Standard Error</i>	
	<i>D5</i>	<i>SE (D5)</i>
Listening	0	0
Fluency	0	0
Vocabulary	0	0
Pronunciation	0	0
Grammar	0	0