

APPENDIX F

INTERRATER CONSISTENCY

**Table F-1. 2018 Next-Generation MCAS and MCAS-Alt Technical Report:
Item-Level Interrater Consistency Statistics by Grade – ELA**

Grade	Item	Number of		Percent		Correlation
		Score Categories	Responses Scored Twice	Exact	Adjacent	
3	EL313868#SCORE_TRAIT_Conv	4	6,556	70.12	29.01	0.82
	EL313868#SCORE_TRAIT_Ideadev	5	6,556	74.57	23.84	0.85
	EL625963791	4	6,706	70.09	28.45	0.66
	EL627935375#SCORE_TRAIT_Conv	4	6,539	68.80	30.04	0.74
	EL627935375#SCORE_TRAIT_Ideadev	5	6,539	74.42	24.19	0.82
4	EL302989#SCORE_TRAIT_Conv	4	6,976	69.93	28.37	0.80
	EL302989#SCORE_TRAIT_Ideadev	5	6,976	69.44	29.34	0.79
	EL624446590	4	7,009	74.25	24.71	0.73
	EL629542750#SCORE_TRAIT_Conv	4	6,928	75.88	23.35	0.84
	EL629542750#SCORE_TRAIT_Ideadev	5	6,928	70.09	28.38	0.88
5	EL284530#SCORE_TRAIT_Conv	4	6,951	69.14	30.02	0.79
	EL284530#SCORE_TRAIT_Ideadev	5	6,951	69.64	28.07	0.86
	EL626173921#SCORE_TRAIT_Conv	4	6,966	69.54	30.05	0.77
	EL626173921#SCORE_TRAIT_Ideadev	5	6,966	71.10	28.44	0.78
	EL626266147#SCORE_TRAIT_Conv	4	7,028	70.62	29.38	0.83
	EL626266147#SCORE_TRAIT_Ideadev	5	7,028	71.96	28.04	0.81
6	EL627067637#SCORE_TRAIT_Conv	4	6,762	66.50	31.66	0.79
	EL627067637#SCORE_TRAIT_Ideadev	6	6,762	64.67	32.53	0.80
	EL627257199#SCORE_TRAIT_Conv	4	6,828	67.44	30.79	0.83
	EL627257199#SCORE_TRAIT_Ideadev	6	6,828	68.57	28.88	0.88
	EL628771852#SCORE_TRAIT_Conv	4	6,768	66.73	31.49	0.80
	EL628771852#SCORE_TRAIT_Ideadev	6	6,768	65.17	31.99	0.79
7	EL623858620#SCORE_TRAIT_Conv	4	6,674	67.82	31.54	0.84
	EL623858620#SCORE_TRAIT_Ideadev	6	6,674	63.99	34.34	0.87
	EL627050085#SCORE_TRAIT_Conv	4	6,707	74.62	25.36	0.84
	EL627050085#SCORE_TRAIT_Ideadev	6	6,707	65.98	34.01	0.86
	EL627333908#SCORE_TRAIT_Conv	4	6,747	74.74	24.53	0.87
	EL627333908#SCORE_TRAIT_Ideadev	6	6,747	66.95	30.93	0.87
8	EL312941#SCORE_TRAIT_Conv	4	6,854	74.39	24.86	0.85
	EL312941#SCORE TRAIT Ideadev	6	6,854	65.80	31.98	0.85
	EL627151569#SCORE_TRAIT_Conv	4	6,947	73.44	26.27	0.87
	EL627151569#SCORE TRAIT Ideadev	6	6,947	66.10	33.37	0.88
	EL627160756#SCORE TRAIT Conv	4	6,938	78.06	21.07	0.87
	EL627160756#SCORE TRAIT Ideadev	6	6,938	65.91	31.94	0.89

Table F-2. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Interrater Consistency Statistics by Grade – Mathematics

Grade	Item	Number of		Percent		Correlation
		Score Categories	Responses Scored Twice	Exact	Adjacent	
3	MA293503A	4	6,869	83.58	16.25	0.92
	MA306343A	4	6,837	87.00	12.71	0.93
4	MA253717	5	7,174	96.12	3.11	0.98
	MA297972	5	7,121	86.72	10.73	0.95
	MA311578	5	7,127	80.23	17.65	0.93
	MA311580	5	7,129	88.13	11.31	0.96
5	MA298005	5	7,125	88.59	10.65	0.95
	MA309659	5	7,099	84.59	14.45	0.96
	MA311352	5	7,216	95.43	4.25	0.98
	MA311361	5	7,160	83.60	15.01	0.93
6	MA249009	5	6,980	82.51	16.36	0.94
	MA251350	5	6,940	84.06	15.12	0.96
	MA307396	5	6,921	86.52	12.54	0.95
	MA309782	5	6,911	90.15	8.67	0.95
7	MA272156	5	6,952	85.73	13.20	0.95
	MA272158	5	6,929	89.31	10.39	0.96
	MA301866	5	6,774	84.44	13.83	0.95
	MA306640	5	6,167	79.16	18.05	0.93
8	MA287544	5	7,083	80.09	18.48	0.93
	MA307608	5	7,063	85.40	13.52	0.96
	MA311379	5	6,901	82.52	16.61	0.94
	MA311437	5	7,014	77.19	20.49	0.91

Table F-3. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Interrater Consistency Statistics – ELA ALT

Grade	Item	Number of		Percent		Correlation
		Score Categories	Responses Scored Twice	Exact	Adjacent	
3	comp1	5	139	99.28	0.00	0.83
	comp2	5	139	100.00	0.00	1.00
	comp3	5	139	96.40	2.88	0.84
	ind1	4	127	98.43	1.57	0.94
	ind2	4	118	100.00	0.00	1.00
	ind3	4	123	97.56	2.44	0.98
	sk1	4	127	100.00	0.00	1.00
	sk2	4	118	100.00	0.00	1.00
	sk3	4	123	94.31	4.88	0.95
4	comp1	5	189	98.94	1.06	0.95
	comp2	5	189	98.94	1.06	0.94
	comp3	5	189	97.88	0.53	0.78
	ind1	4	164	98.78	1.22	0.96
	ind2	4	160	98.75	1.25	0.98
	ind3	4	174	99.43	0.57	0.99
	sk1	4	164	96.95	3.05	0.90
	sk2	4	160	96.25	3.75	0.83
	sk3	4	174	94.83	3.45	0.92
5	comp1	5	294	98.98	0.68	0.73
	comp2	5	296	99.32	0.68	0.91
	comp3	5	294	97.62	0.68	0.68
	ind1	4	275	98.18	1.45	0.90
	ind2	4	246	97.97	2.03	0.95
	ind3	4	271	99.26	0.74	0.99
	sk1	4	275	99.27	0.73	0.97
	sk2	4	246	99.19	0.81	0.95
	sk3	4	271	93.36	4.80	0.93
6	comp1	5	200	99.00	1.00	0.86
	comp2	5	199	100.00	0.00	1.00
	comp3	5	199	98.49	0.00	0.66
	ind1	4	183	98.36	1.64	0.95
	ind2	4	159	97.48	2.52	0.94
	ind3	4	182	97.80	2.20	0.98

continued

Grade	Item	Number of		Percent		Correlation
		Score Categories	Responses Scored Twice	Exact	Adjacent	
6	sk1	4	183	97.81	2.19	0.92
	sk2	4	159	94.97	5.03	0.82
	sk3	4	182	93.96	5.49	0.94
7	comp1	5	194	98.97	0.52	0.71
	comp2	5	195	99.49	0.51	0.93
	comp3	5	194	95.36	3.61	0.71
	ind1	4	169	98.82	1.18	0.97
	ind2	4	164	98.17	1.83	0.95
	ind3	4	177	97.74	2.26	0.98
	sk1	4	169	100.00	0.00	1.00
	sk2	4	164	97.56	2.44	0.93
	sk3	4	177	93.79	5.08	0.94
8	comp1	5	323	97.83	0.93	0.70
	comp2	5	323	98.14	1.24	0.76
	comp3	5	322	96.58	1.24	0.74
	ind1	4	271	99.26	0.74	0.98
	ind2	4	249	98.39	1.61	0.96
	ind3	4	286	97.90	2.10	0.98
	sk1	4	271	99.26	0.74	0.95
	sk2	4	249	97.19	2.81	0.90
	sk3	4	286	94.06	3.85	0.93
HS	comp1	5	375	97.60	0.80	0.69
	comp2	5	377	99.20	0.00	0.86
	comp3	5	369	96.75	2.17	0.85
	ind1	4	289	98.96	1.04	0.98
	ind2	4	261	98.47	1.53	0.96
	ind3	4	325	96.62	3.38	0.97
	sk1	4	289	98.62	1.38	0.95
	sk2	4	261	98.47	1.53	0.95
	sk3	4	325	96.31	2.15	0.96

Table F-4. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Interrater Consistency Statistics – Mathematics ALT

Grade	Item	Number of		Percent		Correlation
		Score Categories	Responses Scored Twice	Exact	Adjacent	
3	comp1	5	141	99.29	0.00	0.86
	comp5	5	141	97.87	0.71	0.72
	ind1	4	127	100.00	0.00	1.00
	ind5	4	126	100.00	0.00	1.00
	sk1	4	127	100.00	0.00	1.00
	sk5	4	126	98.41	1.59	0.93
4	comp1	5	193	98.96	1.04	0.92
	comp3	5	193	97.41	1.04	0.73
	ind1	4	172	99.42	0.58	0.99
	ind3	4	165	98.79	1.21	0.98
	sk1	4	172	99.42	0.58	0.99
	sk3	4	165	100.00	0.00	1.00
5	comp2	5	295	98.98	0.34	0.76
	comp3	5	293	98.29	0.34	0.52
	ind2	4	260	98.46	1.54	0.95
	ind3	4	250	99.20	0.80	0.97
	sk2	4	260	98.85	1.15	0.96
	sk3	4	250	98.40	1.60	0.95
6	comp1	5	205	99.02	0.98	0.89
	comp2	5	204	98.04	0.98	0.74
	ind1	4	178	99.44	0.56	0.99
	ind2	4	170	97.65	2.35	0.95
	sk1	4	178	98.88	1.12	0.95
	sk2	4	170	98.82	1.18	0.95
7	comp1	5	195	98.46	0.51	0.71
	comp4	5	193	99.48	0.00	0.77
	ind1	4	166	98.19	1.81	0.97
	ind4	4	172	98.26	1.74	0.96
	sk1	4	166	99.40	0.60	0.97
	sk4	4	172	99.42	0.58	0.96
8	comp2	5	330	97.58	0.91	0.68
	comp4	5	329	98.78	0.61	0.78
	ind2	4	255	98.04	1.96	0.96

continued

Grade	Item	Number of		Percent		Correlation
		Score Categories	Responses Scored Twice	Exact	Adjacent	
8	ind4	4	275	99.27	0.73	0.98
	sk2	4	255	97.25	2.35	0.79
	sk4	4	275	98.55	1.45	0.94
HS	comp1	5	91	98.90	0.00	0.84
	comp2	5	299	99.33	0.33	0.90
	comp3	5	230	100.00	0.00	1.00
	comp4	5	292	96.92	1.37	0.77
	comp5	5	211	97.63	0.47	0.69
	ind1	4	68	98.53	1.47	0.98
	ind2	4	244	98.77	1.23	0.98
	ind3	4	178	100.00	0.00	1.00
	ind4	4	220	97.73	1.82	0.92
	ind5	4	139	99.28	0.72	0.99
	sk1	4	68	98.53	1.47	0.94
	sk2	4	244	97.95	2.05	0.95
	sk3	4	178	98.31	1.69	0.91
	sk4	4	220	99.09	0.91	0.97
	sk5	4	139	97.12	2.88	0.86

Table F-5. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Interrater Consistency Statistics – Biology Alt

Grade	Item	Number of		Percent		Correlation
		Score Categories	Responses Scored Twice	Exact	Adjacent	
HS	comp1	5	274	97.81	1.09	0.74
	comp2	5	270	98.52	0.37	0.73
	comp3	5	267	96.25	2.25	0.56
	ind1	4	210	98.57	1.43	0.98
	ind2	4	200	98.00	1.50	0.93
	ind3	4	187	98.93	1.07	0.98
	sk1	4	210	98.57	1.43	0.95
	sk2	4	200	99.00	1.00	0.95
	sk3	4	187	98.40	1.60	0.93

Table F-6. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Interrater Consistency Statistics – Chemistry Alt

Grade	Item	Number of		Percent		Correlation
		Score Categories	Responses Scored Twice	Exact	Adjacent	
HS	comp1	5	19	100.00	0.00	
	comp2	5	15	100.00	0.00	
	comp3	5	15	93.33	6.67	
	ind1	4	12	100.00	0.00	1.00
	ind2	4	10	100.00	0.00	
	ind3	4	9			
	sk1	4	12	100.00	0.00	1.00
	sk2	4	10	100.00	0.00	
	sk3	4	9			

Table F-7. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Interrater Consistency Statistics – Science Alt

Grade	Item	Number of		Percent		Correlation
		Score Categories	Responses Scored Twice	Exact	Adjacent	
5	comp1	5	248	99.60	0.40	0.96
	comp2	5	264	98.86	0.00	0.71
	comp3	5	210	99.05	0.48	0.82
	comp4	5	114	99.12	0.00	0.64
	ind1	4	220	99.55	0.45	0.98
	ind2	4	226	98.67	1.33	0.96
	ind3	4	190	97.37	2.63	0.92
	ind4	4	104	99.04	0.96	0.95
	sk1	4	220	99.09	0.91	0.95
	sk2	4	226	98.23	1.77	0.89
	sk3	4	190	98.42	1.58	0.93
	sk4	4	104	100.00	0.00	1.00
	8	comp1	5	274	99.27	0.73
comp2		5	280	98.57	0.36	0.69
comp3		5	198	97.47	2.02	0.71
comp4		5	181	99.45	0.55	0.96
ind1		4	244	100.00	0.00	1.00
ind2		4	236	98.73	1.27	0.97
ind3		4	165	98.79	1.21	0.97
ind4		4	152	100.00	0.00	1.00
sk1		4	244	99.18	0.82	0.96
sk2		4	236	98.73	0.85	0.87
sk3		4	165	100.00	0.00	1.00
sk4		4	152	100.00	0.00	1.00

Table F-8. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Interrater Consistency Statistics – Physics Alt

Grade	Item	Number of		Percent		Correlation
		Score Categories	Responses Scored Twice	Exact	Adjacent	
HS	comp1	5	20	100.00	0.00	1.00
	comp2	5	19	89.47	5.26	0.24
	comp3	5	19	100.00	0.00	1.00
	ind1	4	16	100.00	0.00	1.00
	ind2	4	16	100.00	0.00	1.00
	ind3	4	19	100.00	0.00	1.00
	sk1	4	16	100.00	0.00	1.00
	sk2	4	16	93.75	6.25	0.68
	sk3	4	19	100.00	0.00	1.00

Table F-9. 2018 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Interrater Consistency Statistics – Tech/Eng Alt

Grade	Item	Number of		Percent		Correlation
		Score Categories	Responses Scored Twice	Exact	Adjacent	
HS	comp1	5	40	100.00	0.00	1.00
	comp2	5	35	97.14	2.86	0.80
	comp3	5	34	94.12	2.94	0.57
	ind1	4	31	100.00	0.00	1.00
	ind2	4	28	96.43	3.57	0.94
	ind3	4	29	100.00	0.00	1.00
	sk1	4	31	96.77	3.23	0.96
	sk2	4	28	100.00	0.00	1.00
	sk3	4	29	96.55	3.45	0.97