

APPENDIX F

INTERRATER CONSISTENCY

**Table F-1. 2017 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Interrater Consistency Statistics
by Grade – ELA**

Grade	Item	Number of		Percent		Correlation	Percent of Third Scores
		Score Categories	Responses Scored Twice	Exact	Adjacent		
3	AA431426588#SCORE_TRAIT_Conventions	4	6,946	66.21	32.67	0.69	28.62
	AA431426588#SCORE_TRAIT_Expression	4	6,946	73.60	25.27	0.72	28.62
	EL307210	4	6,946	74.06	24.78	0.76	22.57
	EL308425#SCORE_TRAIT_Conv	4	6,868	66.16	32.11	0.62	15.39
	EL308425#SCORE_TRAIT_Ideadev	5	6,868	67.17	31.16	0.71	15.39
4	EL307750	4	7,013	71.21	28.78	0.76	42.58
	EL308215#SCORE_TRAIT_Conv	4	6,941	71.04	28.67	0.74	29.32
	EL308215#SCORE_TRAIT_Ideadev	5	6,941	68.91	30.23	0.76	29.32
	VF865628#SCORE_TRAIT_Conventions	4	6,936	65.79	32.83	0.70	44.23
	VF865628#SCORE_TRAIT_Expression	4	6,936	66.26	31.63	0.70	44.23
5	CC434542756#SCORE_TRAIT_Conventions	4	6,847	64.70	33.53	0.75	25.46
	CC434542756#SCORE_TRAIT_Expression	4	6,847	68.31	29.93	0.79	25.46
	EL296515#SCORE_TRAIT_Conv	4	6,835	71.76	27.58	0.73	26.36
	EL296515#SCORE_TRAIT_Ideadev	5	6,835	71.94	26.95	0.72	26.36
	EL302132#SCORE_TRAIT_Conv	4	6,824	69.07	30.58	0.74	45.27
	EL302132#SCORE_TRAIT_Ideadev	5	6,824	69.75	29.98	0.73	45.27
6	3333#SCORE_TRAIT_Conventions	4	6,740	69.18	28.37	0.78	10.28
	3333#SCORE_TRAIT_Expression	5	6,740	65.21	30.61	0.82	10.28
	EL312611#SCORE_TRAIT_Conv	4	6,696	69.16	30.23	0.76	34.87
	EL312611#SCORE_TRAIT_Ideadev	6	6,696	66.94	31.97	0.78	34.87
	EL314182#SCORE_TRAIT_Conv	4	6,580	69.09	30.59	0.79	28.24
	EL314182#SCORE_TRAIT_Ideadev	6	6,580	65.96	33.50	0.79	28.24
7	EL293306#SCORE_TRAIT_Conv	4	6,809	68.38	29.73	0.76	22.25
	EL293306#SCORE_TRAIT_Ideadev	6	6,809	64.88	32.28	0.80	22.25
	EL298761#SCORE_TRAIT_Conv	4	6,819	65.65	32.31	0.72	29.48
	EL298761#SCORE_TRAIT_Ideadev	6	6,819	65.17	31.95	0.77	29.48
	VH119641#SCORE_TRAIT_Conventions	4	6,847	67.05	30.64	0.77	28.09
	VH119641#SCORE_TRAIT_Expression	5	6,847	65.15	32.61	0.83	28.09
8	EL276040#SCORE_TRAIT_Conv	4	6,810	72.92	26.99	0.82	31.82
	EL276040#SCORE_TRAIT_Ideadev	6	6,810	69.91	30.01	0.85	31.82
	EL307409#SCORE_TRAIT_Conv	4	6,863	77.66	22.29	0.83	30.13
	EL307409#SCORE_TRAIT_Ideadev	6	6,863	68.22	31.62	0.86	30.13
	VH007302#SCORE_TRAIT_Conventions	4	6,890	67.55	29.17	0.77	29.59
	VH007302#SCORE_TRAIT_Expression	5	6,890	65.14	31.23	0.82	29.59

Table F-2. 2017 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Interrater Consistency Statistics by Grade – Mathematics

Grade	Item	Number of		Percent		Correlation	Percent of Third Scores
		Score Categories	Responses Scored Twice	Exact	Adjacent		
3	M02345	4	6,975	88.03	11.37	0.93	39.61
	MA306335	3	6,999	91.40	8.54	0.91	30.52
	MA306360	3	7,020	95.16	4.83	0.96	21.85
4	M00457	4	7,081	90.83	9.01	0.95	20.19
	M02470	4	7,061	84.02	15.41	0.90	19.36
	MA258224	5	7,088	82.15	16.27	0.93	31.12
	MA307302	5	7,064	88.59	9.36	0.96	24.69
5	M02374	4	6,887	87.69	11.73	0.94	19.36
	MA301188	5	6,935	82.19	16.15	0.94	24.14
	MA311366	5	6,962	91.22	7.89	0.97	23.92
	VF497453	4	6,907	82.48	16.68	0.92	18.39
6	MA273842	5	6,838	92.18	6.55	0.97	25.68
	MA307335	5	6,936	88.09	10.83	0.96	13.28
	VF655921	4	6,725	91.12	8.06	0.95	11.49
	VF925481	4	6,756	87.08	11.43	0.92	14.74
7	M20856	4	6,661	89.72	9.25	0.94	67.26
	M25263	4	6,830	80.23	18.57	0.87	71.95
	MA259293	5	7,002	89.00	10.51	0.97	31.38
	MA295745	5	6,932	93.85	4.67	0.96	34.32
8	MA284774	5	6,965	87.81	11.37	0.96	13.18
	MA309742	5	6,939	88.86	10.28	0.96	29.49
	VH049778	4	6,876	81.17	17.84	0.91	41.48

Table F-3. 2017 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Interrater Consistency Statistics – ELA ALT

Grade	Item	Number of		Percent		Correlation	Percent of Third Scores
		Score Categories	Responses Scored Twice	Exact	Adjacent		
3	comp1	5	219	99.09	0.00	0.78	1.37
	comp2	5	219	99.09	0.91	0.89	1.37
	comp3	5	218	96.33	1.38	0.67	14.68
	ind1	4	194	98.97	1.03	0.97	1.55
	ind2	4	188	98.40	1.60	0.95	2.13
	ind3	4	193	98.45	1.04	0.97	7.25
	sk1	4	194	98.97	1.03	0.96	1.55
	sk2	4	188	99.47	0.53	0.98	1.60
	sk3	4	193	93.26	3.11	0.91	7.77
4	comp1	5	286	98.25	0.35	0.57	1.75
	comp2	5	287	98.95	0.35	0.68	1.39
	comp3	5	287	97.56	0.00	0.71	13.94
	ind1	4	256	100.00	0.00	1.00	0.39
	ind2	4	236	99.15	0.85	0.98	1.27
	ind3	4	260	98.46	1.15	0.95	6.92
	sk1	4	256	99.61	0.39	0.98	0.39
	sk2	4	236	99.58	0.42	0.98	1.69
	sk3	4	260	94.62	4.23	0.93	6.54
5	comp1	5	345	99.13	0.00	0.62	1.16
	comp2	5	345	99.13	0.29	0.68	0.87
	comp3	5	344	98.55	0.58	0.70	15.41
	ind1	4	308	99.68	0.32	0.99	1.30
	ind2	4	289	99.65	0.35	0.99	0.69
	ind3	4	317	98.74	1.26	0.98	10.09
	sk1	4	308	99.68	0.32	0.98	1.30
	sk2	4	289	100.00	0.00	1.00	0.69
	sk3	4	317	92.11	5.68	0.92	9.78
6	comp1	5	211	99.53	0.00	0.84	0.47
	comp2	5	212	100.00	0.00	1.00	0.94
	comp3	5	211	96.68	2.37	0.80	12.80
	ind1	4	190	100.00	0.00	1.00	0.53
	ind2	4	185	99.46	0.54	0.99	2.16
	ind3	4	194	98.97	1.03	0.99	5.67

continued

Grade	Item	Number of		Percent		Correlation	Percent of Third Scores
		Score Categories	Responses Scored Twice	Exact	Adjacent		
6	sk1	4	190	100.00	0.00	1.00	0.53
	sk2	4	185	100.00	0.00	1.00	1.62
	sk3	4	194	94.33	4.64	0.95	7.22
7	comp1	5	309	99.35	0.00	0.66	0.65
	comp2	5	310	99.68	0.00	0.84	0.32
	comp3	5	308	98.05	0.32	0.75	13.31
	ind1	4	281	98.22	1.78	0.95	2.49
	ind2	4	259	100.00	0.00	1.00	0.77
	ind3	4	284	99.65	0.35	1.00	6.34
	sk1	4	281	99.29	0.71	0.96	2.14
	sk2	4	259	99.23	0.77	0.97	0.77
	sk3	4	284	94.72	4.23	0.95	6.69
8	comp1	5	484	97.52	0.62	0.51	5.58
	comp2	5	484	98.55	0.21	0.66	4.34
	comp3	5	483	97.31	1.45	0.74	14.49
	ind1	4	426	99.06	0.94	0.98	2.11
	ind2	4	410	99.27	0.73	0.98	1.95
	ind3	4	451	99.56	0.44	0.99	8.43
	sk1	4	426	99.77	0.23	0.99	1.88
	sk2	4	410	99.27	0.49	0.94	1.95
	sk3	4	451	93.57	4.66	0.92	9.31
HS	comp1	5	529	98.30	0.38	0.64	5.10
	comp2	5	530	98.68	0.19	0.62	6.60
	comp3	5	522	94.64	2.87	0.68	27.39
	ind1	4	440	99.55	0.45	0.99	1.59
	ind2	4	382	100.00	0.00	1.00	1.31
	ind3	4	461	95.44	2.82	0.89	18.66
	sk1	4	440	99.55	0.45	0.98	1.59
	sk2	4	382	99.74	0.26	0.99	1.31
	sk3	4	461	91.97	6.29	0.93	18.44

Table F-4. 2017 Next-Generation MCAS and MCAS-Alt Technical Report: Item-Level Interrater Consistency Statistics – Mathematics ALT

Grade	Item	Number of		Percent		Correlation	Percent of Third Scores
		Score Categories	Responses Scored Twice	Exact	Adjacent		
3	comp1	5	218	98.17	0.92	0.72	1.83
	comp5	5	218	98.62	0.92	0.80	1.38
	ind1	4	192	98.96	1.04	0.98	1.56
	ind5	4	185	100.00	0.00	1.00	0.00
	sk1	4	192	99.48	0.52	0.98	1.56
	sk5	4	185	100.00	0.00	1.00	0.00
4	comp1	5	293	98.29	1.02	0.75	2.05
	comp3	5	292	99.32	0.00	0.79	1.37
	ind1	4	261	98.08	1.53	0.92	2.30
	ind3	4	258	100.00	0.00	1.00	0.39
	sk1	4	261	98.47	1.53	0.93	2.68
	sk3	4	258	99.22	0.78	0.94	0.78
5	comp2	5	348	99.43	0.29	0.90	1.15
	comp3	5	347	98.27	1.15	0.56	1.73
	ind2	4	287	99.30	0.70	0.98	1.39
	ind3	4	305	99.67	0.33	0.99	0.66
	sk2	4	287	98.95	1.05	0.95	1.74
	sk3	4	305	99.02	0.66	0.88	1.31
6	comp1	5	215	98.14	0.93	0.75	1.40
	comp2	5	215	98.14	1.86	0.90	2.33
	ind1	4	190	99.47	0.53	0.98	1.05
	ind2	4	190	99.47	0.53	0.99	1.05
	sk1	4	190	98.95	1.05	0.91	1.58
	sk2	4	190	100.00	0.00	1.00	1.05
7	comp1	5	317	97.48	1.26	0.72	3.47
	comp4	5	317	99.37	0.00	0.70	0.63
	ind1	4	278	98.92	1.08	0.98	1.08
	ind4	4	287	98.61	1.39	0.97	1.39
	sk1	4	278	100.00	0.00	1.00	1.08
	sk4	4	287	98.95	1.05	0.94	1.39
8	comp2	5	495	97.98	0.61	0.73	5.45
	comp4	5	497	99.40	0.00	0.81	3.22
	ind2	4	435	98.85	1.15	0.98	2.30

continued

Grade	Item	Number of		Percent		Correlation	Percent of Third Scores
		Score Categories	Responses Scored Twice	Exact	Adjacent		
8	ind4	4	442	99.32	0.68	0.99	1.81
	sk2	4	435	99.77	0.23	0.99	2.30
	sk4	4	442	99.55	0.45	0.98	1.81
HS	comp1	5	119	94.96	0.84	0.55	9.24
	comp2	5	433	96.54	0.92	0.44	7.62
	comp3	5	386	98.19	0.52	0.66	4.92
	comp4	5	377	95.49	1.06	0.67	8.75
	comp5	5	289	91.00	1.38	0.44	14.19
	ind1	4	98	98.98	1.02	0.96	3.06
	ind2	4	363	99.17	0.83	0.98	1.93
	ind3	4	328	99.39	0.61	0.99	2.74
	ind4	4	318	99.69	0.00	0.97	2.20
	ind5	4	202	98.51	1.49	0.98	1.98
	sk1	4	98	98.98	1.02	0.98	3.06
	sk2	4	363	99.72	0.28	0.99	1.93
	sk3	4	328	98.78	1.22	0.96	2.74
	sk4	4	318	99.06	0.94	0.96	2.20
	sk5	4	202	98.51	1.49	0.96	1.98