

APPENDIX I

DIFFERENTIAL ITEM FUNCTIONING RESULTS

Table I-1. 2017 Next-Generation MCAS and MCAS-Alt Technical Report: Number of Items Classified as “Low” or “High” DIF, Overall and by Group Favored – ELA

Grade	Group		Item Type	Number of Items	Number “Low”			Number “High”		
	Reference	Focal			Total	Favoring		Total	Favoring	
						Reference	Focal		Reference	Focal
3	Male	Female	MC	18	1	1	0	0	0	0
			OR	5	0	0	0	0	0	0
			WP	4	0	0	0	0	0	0
	Not LEPFLEP	LEPFLEP	MC	18	3	3	0	0	0	0
			OR	5	2	2	0	0	0	0
			WP	4	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	MC	18	1	1	0	0	0	0
			OR	5	0	0	0	0	0	0
			WP	4	0	0	0	0	0	0
	White	African American	MC	18	1	1	0	0	0	0
			OR	5	1	1	0	0	0	0
			WP	4	0	0	0	0	0	0
		Hispanic	MC	18	2	2	0	0	0	0
			OR	5	0	0	0	0	0	0
			WP	4	0	0	0	0	0	0
	Not Special Education	Special Education	MC	18	0	0	0	0	0	0
			OR	5	0	0	0	0	0	0
			WP	4	0	0	0	0	0	0
4	Male	Female	MC	18	3	3	0	0	0	0
			OR	6	0	0	0	0	0	0
			WP	4	0	0	0	0	0	0
	Not LEPFLEP	LEPFLEP	MC	18	5	5	0	0	0	0
			OR	6	2	2	0	0	0	0
			WP	4	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	MC	18	0	0	0	0	0	0
			OR	6	0	0	0	0	0	0
			WP	4	0	0	0	0	0	0
	White	African American	MC	18	3	3	0	0	0	0
			OR	6	1	1	0	0	0	0
			WP	4	0	0	0	0	0	0

continued

Grade	Group		Item Type	Number of Items	Number "Low"			Number "High"		
	Reference	Focal			Total	Favoring		Total	Favoring	
						Reference	Focal		Reference	Focal
4	White	Hispanic	MC	18	4	4	0	0	0	0
			OR	6	0	0	0	0	0	0
			WP	4	0	0	0	0	0	0
	Not Special Education	Special Education	MC	18	0	0	0	0	0	0
			OR	6	0	0	0	0	0	0
			WP	4	3	3	0	0	0	0
Male	Female	MC	18	4	4	0	0	0	0	
		OR	4	0	0	0	0	0	0	
		WP	6	2	0	2	0	0	0	
Not LEPFLEP	LEPFLEP	MC	18	3	3	0	1	1	0	
		OR	4	1	1	0	0	0	0	
		WP	6	0	0	0	0	0	0	
5	Not Economically Disadvantaged	Economically Disadvantaged	MC	18	4	4	0	0	0	0
			OR	4	0	0	0	0	0	0
			WP	6	0	0	0	0	0	0
	White	African American	MC	18	5	5	0	0	0	0
			OR	4	2	2	0	0	0	0
			WP	6	0	0	0	0	0	0
Not Special Education	Special Education	MC	18	5	5	0	1	1	0	
		OR	4	1	1	0	0	0	0	
		WP	6	0	0	0	0	0	0	
Male	Female	MC	18	0	0	0	0	0	0	
		OR	4	0	0	0	0	0	0	
		WP	6	2	0	2	0	0	0	
6	Not LEPFLEP	LEPFLEP	MC	18	7	7	0	0	0	0
			OR	4	2	2	0	0	0	0
			WP	6	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	MC	18	2	2	0	0	0	0
			OR	4	0	0	0	0	0	0
			WP	6	0	0	0	0	0	0

continued

Grade	Group		Item Type	Number of Items	Number "Low"			Number "High"		
	Reference	Focal			Total	Favoring		Total	Favoring	
						Reference	Focal		Reference	Focal
6	White	African American	MC	18	6	6	0	1	1	0
			OR	4	0	0	0	0	0	0
			WP	6	0	0	0	0	0	0
	Hispanic		MC	18	7	7	0	0	0	0
			OR	4	0	0	0	0	0	0
			WP	6	0	0	0	0	0	0
	Not Special Education	Special Education	MC	18	0	0	0	0	0	0
			OR	4	0	0	0	0	0	0
			WP	6	0	0	0	0	0	0
Male	Female	MC	18	3	3	0	0	0	0	
		OR	4	0	0	0	0	0	0	
		WP	6	2	0	2	0	0	0	
Not LEPFLEP	LEPFLEP	MC	18	6	6	0	2	2	0	
		OR	4	1	1	0	0	0	0	
		WP	6	0	0	0	0	0	0	
Not Economically Disadvantaged	Economically Disadvantaged	MC	18	4	4	0	0	0	0	
		OR	4	0	0	0	0	0	0	
		WP	6	0	0	0	0	0	0	
7	White	African American	MC	18	6	6	0	1	1	0
			OR	4	0	0	0	0	0	0
			WP	6	0	0	0	0	0	0
	Hispanic		MC	18	8	8	0	0	0	0
			OR	4	0	0	0	0	0	0
			WP	6	0	0	0	0	0	0
	Not Special Education	Special Education	MC	18	0	0	0	0	0	0
			OR	4	0	0	0	0	0	0
			WP	6	2	2	0	0	0	0
Male	Female	MC	18	0	0	0	0	0	0	
		OR	4	2	2	0	0	0	0	
		WP	6	2	0	2	0	0	0	
Not LEPFLEP	LEPFLEP	MC	18	5	5	0	1	1	0	
		OR	4	2	2	0	0	0	0	
		WP	6	0	0	0	0	0	0	

continued

Grade	Group		Item Type	Number of Items	Number "Low"			Number "High"		
	Reference	Focal			Total	Favoring		Total	Favoring	
						Reference	Focal		Reference	Focal
8	Not Economically Disadvantaged	Economically Disadvantaged	MC	18	0	0	0	0	0	0
			OR	4	0	0	0	0	0	0
			WP	6	0	0	0	0	0	0
	White	African American	MC	18	1	1	0	0	0	0
			OR	4	2	2	0	0	0	0
			WP	6	0	0	0	0	0	0
		Hispanic	MC	18	2	2	0	0	0	0
			OR	4	1	1	0	0	0	0
			WP	6	0	0	0	0	0	0
	Not Special Education	Special Education	MC	18	1	1	0	0	0	0
			OR	4	0	0	0	0	0	0
			WP	6	0	0	0	0	0	0

Table I-2. 2017 Next-Generation MCAS and MCAS-Alt Technical Report: Number of Items Classified as “Low” or “High” DIF, Overall and by Group Favored – Mathematics

Grade	Group		Item Type	Number of Items	Number “Low”			Number “High”		
	Reference	Focal			Total	Favoring		Total	Favoring	
						Reference	Focal		Reference	Focal
3	Male	Female	MC	24	0	0	0	0	0	0
			OR	21	1	1	0	0	0	0
	Not LEPFLEP	LEPFLEP	MC	24	0	0	0	0	0	0
			OR	21	4	4	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	MC	24	0	0	0	0	0	0
			OR	21	0	0	0	0	0	0
	White	African American	MC	24	4	2	2	0	0	0
			OR	21	8	7	1	0	0	0
		Hispanic	MC	24	2	2	0	0	0	0
			OR	21	5	5	0	0	0	0
	Not Special Education	Special Education	MC	24	2	2	0	0	0	0
			OR	21	0	0	0	0	0	0
4	Male	Female	MC	21	1	1	0	0	0	0
			OR	22	1	0	1	0	0	0
	Not LEPFLEP	LEPFLEP	MC	21	2	1	1	0	0	0
			OR	22	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	MC	21	0	0	0	0	0	0
			OR	22	0	0	0	0	0	0
	White	African American	MC	21	4	3	1	2	1	1
			OR	22	1	1	0	0	0	0
		Hispanic	MC	21	4	2	2	0	0	0
			OR	22	1	0	1	0	0	0
	Not Special Education	Special Education	MC	21	0	0	0	0	0	0
			OR	22	0	0	0	0	0	0
5	Male	Female	MC	23	3	3	0	0	0	0
			OR	22	4	3	1	0	0	0
	Not LEPFLEP	LEPFLEP	MC	23	2	1	1	0	0	0
			OR	22	1	1	0	0	0	0

continued

Grade	Group		Item Type	Number of Items	Number "Low"			Number "High"			
	Reference	Focal			Total	Favoring		Total	Favoring		
						Reference	Focal		Reference	Focal	
5	Not Economically Disadvantaged	Economically Disadvantaged	MC	23	0	0	0	0	0	0	
			OR	22	1	1	0	0	0	0	
	White	African American	MC	23	5	3	2	0	0	0	
			OR	22	4	3	1	0	0	0	
		Hispanic	MC	23	5	4	1	0	0	0	
			OR	22	3	2	1	0	0	0	
	Not Special Education	Special Education	MC	23	1	1	0	0	0	0	
			OR	22	1	1	0	0	0	0	
	6	Male	Female	MC	17	2	1	1	0	0	0
				OR	22	3	1	2	0	0	0
Not LEPFLEP		LEPFLEP	MC	17	2	1	1	0	0	0	
			OR	22	0	0	0	0	0	0	
White		Not Economically Disadvantaged	Economically Disadvantaged	MC	17	0	0	0	0	0	
				OR	22	0	0	0	0	0	0
		African American	MC	17	2	2	0	0	0	0	
			OR	22	2	1	1	0	0	0	
Hispanic		MC	17	1	0	1	0	0	0		
		OR	22	0	0	0	0	0	0		
Not Special Education	Special Education	MC	17	0	0	0	0	0	0		
		OR	22	0	0	0	0	0	0		
7	Male	Female	MC	18	3	2	1	0	0	0	
			OR	20	1	0	1	0	0	0	
	Not LEPFLEP	LEPFLEP	MC	18	5	3	2	1	1	0	
			OR	20	2	1	1	0	0	0	
	White	Not Economically Disadvantaged	Economically Disadvantaged	MC	18	2	2	0	0	0	
				OR	20	0	0	0	0	0	0
		African American	MC	18	3	2	1	1	0	1	
			OR	20	2	2	0	0	0	0	
	Hispanic	MC	18	5	3	2	0	0	0		
		OR	20	0	0	0	0	0	0		
Not Special Education	Special Education	MC	18	1	1	0	0	0	0		
		OR	20	0	0	0	0	0	0		

continued

Grade	Group		Item Type	Number of Items	Number "Low"			Number "High"		
	Reference	Focal			Total	Favoring		Total	Favoring	
						Reference	Focal		Reference	Focal
8	Male	Female	MC	18	1	1	0	0	0	0
			OR	18	1	0	1	0	0	0
	Not LEPFLEP	LEPFLEP	MC	18	1	1	0	0	0	0
			OR	18	1	1	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	MC	18	0	0	0	0	0	0
			OR	18	0	0	0	0	0	0
	White	African American	MC	18	2	2	0	0	0	0
			OR	18	0	0	0	0	0	0
	White	Hispanic	MC	18	0	0	0	0	0	0
			OR	18	0	0	0	0	0	0
	Not Special Education	Special Education	MC	18	0	0	0	0	0	0
			OR	18	0	0	0	0	0	0