

APPENDIX I

DIFFERENTIAL ITEM FUNCTIONING RESULTS

**Table I-1. 2018 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	SR	27	0	0	0	0	0	0	
			ES	4	1	0	1	0	0	0	
			CR	1	0	0	0	0	0	0	
	Not LEPFLEP	LEPFLEP	SR	27	3	3	0	0	0	0	
			ES	4	0	0	0	0	0	0	
			CR	1	0	0	0	0	0	0	
	Not Economically Disadvantaged	Economically Disadvantaged	SR	27	1	1	0	0	0	0	
			ES	4	0	0	0	0	0	0	
			CR	1	0	0	0	0	0	0	
	White	African American	SR	27	2	2	0	1	1	0	
			ES	4	0	0	0	0	0	0	
			CR	1	0	0	0	0	0	0	
	White	Hispanic	SR	27	4	4	0	0	0	0	
			ES	4	0	0	0	0	0	0	
			CR	1	0	0	0	0	0	0	
	Students without Disabilities	Students with Disabilities	SR	27	1	1	0	0	0	0	
			ES	4	1	1	0	0	0	0	
			CR	1	0	0	0	0	0	0	
	4	Male	Female	SR	27	2	2	0	0	0	0
				ES	4	0	0	0	0	0	0
				CR	1	0	0	0	0	0	0
Not LEPFLEP		LEPFLEP	SR	27	8	7	1	1	1	0	
			ES	4	0	0	0	0	0	0	
			CR	1	0	0	0	0	0	0	
Not Economically Disadvantaged		Economically Disadvantaged	SR	27	2	2	0	0	0	0	
			ES	4	0	0	0	0	0	0	
			CR	1	0	0	0	0	0	0	
White		African American	SR	27	5	4	1	0	0	0	
			ES	4	0	0	0	0	0	0	
			CR	1	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	SR	27	8	8	0	0	0	0
			ES	4	0	0	0	0	0	0
			CR	1	0	0	0	0	0	0
	Students without Disabilities	Students with Disabilities	SR	27	0	0	0	2	2	0
			ES	4	1	1	0	0	0	0
			CR	1	0	0	0	0	0	0
5	Male	Female	SR	27	3	3	0	1	1	0
			ES	6	1	0	1	0	0	0
	Not LEPFLEP	LEPFLEP	SR	27	4	4	0	1	1	0
			ES	6	1	0	1	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	SR	27	5	5	0	0	0	0
			ES	6	0	0	0	0	0	0
	White	African American	SR	27	4	4	0	1	1	0
			ES	6	0	0	0	0	0	0
	White	Hispanic	SR	27	3	3	0	1	1	0
			ES	6	0	0	0	0	0	0
	Students without Disabilities	Students with Disabilities	SR	27	2	1	1	0	0	0
			ES	6	0	0	0	0	0	0
6	Male	Female	SR	27	3	3	0	0	0	0
			ES	6	1	0	1	0	0	0
	Not LEPFLEP	LEPFLEP	SR	27	3	3	0	1	1	0
			ES	6	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	SR	27	1	1	0	0	0	0
			ES	6	0	0	0	0	0	0
	White	African American	SR	27	3	3	0	1	1	0
			ES	6	0	0	0	0	0	0
	White	Hispanic	SR	27	4	4	0	1	1	0
			ES	6	0	0	0	0	0	0
	Students without Disabilities	Students with Disabilities	SR	27	0	0	0	0	0	0
			ES	6	0	0	0	0	0	0
7	Male	Female	SR	27	3	3	0	0	0	0
			ES	6	1	0	1	0	0	0
	Not LEPFLEP	LEPFLEP	SR	27	7	7	0	2	2	0
			ES	6	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	SR	27	2	2	0	0	0	0
			ES	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
7	White	African American	SR	27	4	4	0	0	0	0
			ES	6	0	0	0	0	0	0
		Hispanic	SR	27	4	4	0	1	1	0
			ES	6	0	0	0	0	0	0
	Students without Disabilities	Students with Disabilities	SR	27	0	0	0	0	0	0
			ES	6	0	0	0	0	0	0
	Male	Female	SR	27	5	4	1	2	2	0
			ES	6	3	0	3	0	0	0
Not LEPFLEP	LEPFLEP	SR	27	9	9	0	0	0	0	
		ES	6	0	0	0	0	0	0	
8	Not Economically Disadvantaged	Economically Disadvantaged	SR	27	1	1	0	0	0	0
			ES	6	0	0	0	0	0	0
	White	African American	SR	27	5	5	0	2	2	0
			ES	6	0	0	0	0	0	0
		Hispanic	SR	27	7	7	0	0	0	0
			ES	6	0	0	0	0	0	0
	Students without Disabilities	Students with Disabilities	SR	27	1	1	0	1	1	0
			ES	6	1	1	0	0	0	0

**Table I-2. 2018 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	SR	32	3	2	1	0	0	0	
			SA	13	2	2	0	0	0	0	
			CR	4	0	0	0	0	0	0	
	Not LEPFLEP	LEPFLEP	SR	32	5	3	2	0	0	0	
			SA	13	2	2	0	0	0	0	
			CR	4	0	0	0	0	0	0	
	Not Economically Disadvantaged	Economically Disadvantaged	SR	32	2	2	0	0	0	0	
			SA	13	2	2	0	0	0	0	
			CR	4	0	0	0	0	0	0	
	White	African American	SR	32	6	3	3	2	1	1	
			SA	13	2	2	0	1	1	0	
			CR	4	0	0	0	0	0	0	
		Hispanic	SR	32	3	2	1	0	0	0	
			SA	13	2	2	0	0	0	0	
			CR	4	0	0	0	0	0	0	
	Students without Disabilities	Students with Disabilities	SR	32	1	1	0	0	0	0	
			SA	13	0	0	0	0	0	0	
			CR	4	0	0	0	0	0	0	
	4	Male	Female	SR	35	5	2	3	0	0	0
				SA	11	0	0	0	0	0	0
				CR	4	0	0	0	0	0	0
		Not LEPFLEP	LEPFLEP	SR	35	2	1	1	0	0	0
				SA	11	1	0	1	0	0	0
				CR	4	0	0	0	0	0	0
Not Economically Disadvantaged		Economically Disadvantaged	SR	35	0	0	0	0	0	0	
			SA	11	0	0	0	0	0	0	
			CR	4	0	0	0	0	0	0	
White		African American	SR	35	4	2	2	2	0	2	
			SA	11	2	1	1	0	0	0	
			CR	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	SR	35	4	2	2	0	0	0
			SA	11	1	0	1	0	0	0
			CR	4	0	0	0	0	0	0
	Students without Disabilities	Students with Disabilities	SR	35	1	1	0	2	1	1
			SA	11	1	1	0	1	0	1
			CR	4	0	0	0	0	0	0
Male	Female	SR	35	3	3	0	0	0	0	
		SA	9	2	1	1	0	0	0	
		CR	4	0	0	0	0	0	0	
Not LEPFLEP	LEPFLEP	SR	35	2	0	2	0	0	0	
		SA	9	1	1	0	0	0	0	
		CR	4	0	0	0	0	0	0	
5	Not Economically Disadvantaged	Economically Disadvantaged	SR	35	1	0	1	0	0	0
			SA	9	0	0	0	0	0	0
			CR	4	0	0	0	0	0	0
	White	African American	SR	35	4	2	2	1	0	1
			SA	9	3	1	2	0	0	0
			CR	4	0	0	0	0	0	0
Students without Disabilities	Students with Disabilities	SR	35	3	2	1	2	0	2	
		SA	9	2	1	1	0	0	0	
		CR	4	0	0	0	0	0	0	
6	Male	Female	SR	30	2	1	1	0	0	0
			SA	19	3	2	1	0	0	0
			CR	4	0	0	0	0	0	0
	Not LEPFLEP	LEPFLEP	SR	30	2	1	1	0	0	0
			SA	19	1	1	0	0	0	0
			CR	4	1	1	0	0	0	0
Not Economically Disadvantaged	Economically Disadvantaged	SR	30	0	0	0	0	0	0	
		SA	19	0	0	0	0	0	0	
		CR	4	0	0	0	0	0	0	
White	African American	SR	30	7	3	4	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	SA	19	1	1	0	0	0	0	
			CR	4	1	1	0	0	0	0	
		Hispanic	SR	30	1	0	1	0	0	0	
			SA	19	0	0	0	0	0	0	
		Students without Disabilities	Students with Disabilities	CR	4	1	1	0	0	0	0
				SA	19	1	1	0	0	0	0
	7	Male	Female	CR	4	0	0	0	0	0	0
				SA	12	2	2	0	0	0	0
				SR	33	10	6	4	0	0	0
		Not LEPFLEP	LEPFLEP	CR	4	0	0	0	0	0	0
SA				12	0	0	0	0	0	0	
SR				33	5	4	1	0	0	0	
Not Economically Disadvantaged		Economically Disadvantaged	CR	4	0	0	0	0	0	0	
			SA	12	0	0	0	0	0	0	
			SR	33	2	2	0	0	0	0	
White		African American	CR	4	0	0	0	0	0	0	
	SA		12	2	1	1	0	0	0		
	SR		33	3	2	1	1	1	0		
	Hispanic	CR	4	0	0	0	0	0	0		
		SA	12	0	0	0	0	0	0		
		SR	33	1	1	0	0	0	0		
Students without Disabilities	Students with Disabilities	CR	4	1	1	0	0	0	0		
		SA	12	0	0	0	0	0	0		
		SR	33	3	2	1	0	0	0		
8	Male	Female	CR	4	0	0	0	0	0	0	
			SA	9	2	2	0	0	0	0	
			SR	34	2	1	1	0	0	0	
	Not LEPFLEP	LEPFLEP	CR	4	0	0	0	0	0	0	
			SA	9	1	1	0	0	0	0	
			SR	34	4	3	1	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	SR	34	3	2	1	0	0	0
			SA	9	0	0	0	0	0	0
			CR	4	0	0	0	0	0	0
	White	African American	SR	34	5	5	0	0	0	0
			SA	9	1	1	0	0	0	0
			CR	4	0	0	0	0	0	0
	Hispanic	SR	34	3	2	1	1	0	1	
		SA	9	0	0	0	0	0	0	
		CR	4	0	0	0	0	0	0	
	Students without Disabilities	Students with Disabilities	SR	34	4	4	0	0	0	0
			SA	9	0	0	0	0	0	0
			CR	4	0	0	0	0	0	0