DELAWARE ALTERNATIVE ACADEMIC PERFORMANCE FRAMEWORK PROPOSAL

2016-2017 Version with updated AMO's and Star Levels

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DELAWARE DEPARTMENT OF EDUCATION ALTERNATIVE ACADEMIC PERFORMANCE FRAMEWORK PROPOSAL

PURPOSE

The purpose of the Delaware Alternative Academic Performance Framework is to provide a supplemental comparison of charter school performance for those schools servicing a disproportionate number of students with disabilities. The intent of the Alternative Framework is to provide charter schools and their authorizers with academic performance ratings that demonstrate the school's annual progress and growth relative to the progress of similar students within Delaware as well as to provide the school with AMO's[1] to establish a system of continuous improvement to ensure students are prepared for college and career. Schools measured by this framework must service a population of students with disabilities of greater than 50%. Schools receiving the Delaware Alternative Academic Performance Framework will also receive a Delaware School Success Framework (DSSF) for the purposes of ESEA and ESSA reporting.

Timeframe

The proposed Delaware Alternative Academic Performance Framework is to be utilized for school years 2014-2015 through school year 2016-2017 unless a new alternative framework is established based on ESSA statewide accountability on or before March 1, 2017 for all approved schools.

Delaware Alternative Academic Performance Framework Development

The Delaware Alternative Academic Performance Framework was developed as an extension of the DSSF to provide a comparison of school progress relative to similar populations of students. For measures of academic achievement, growth, and growth to proficiency, modifications were established using DSSF metrics. For non-academic measures such as attendance and graduation, DSSF measures were utilized without any modifications. Unless specified in this document, all business rules applicable to the DSSF were utilized in the creation of the Delaware Alternative Academic Performance Framework. For specific information regarding the methodology used to calculate individual metrics, please refer to the DSSF Reference Guide located at http://www.doe.k12.de.us/cms/lib09/DE01922744/Centricity/Domain/404/DSSF_RefGuide_15-16_7-25-16.pdf.

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[1] **AMO**: Annual Measurable Objectives. AMO are proficiency targets set by student subgroup at the state level with the goal to reduce by half the percentage of students considered non-proficient in reading and mathematics within six years.

Delaware Alternative Academic Performance Framework Calculation and Aggregation Rules

The overall calculation and aggregation of the Delaware Alternative Academic Performance Framework utilizes the DSSF model for elementary/middle schools (Figure 1) for those schools servicing grades K-8. For schools that service both middle and high school populations (7th-12th grades), the Delaware Alternative Academic Performance Framework utilizes the DSSF District for overall calculation and aggregation (Figure 2).

Figure 1: Elementary/K-8 Alternative Academic Performance Framework Schools
(Utilized for both DSSF and Delaware Alternative Academic Performance Framework)

Elementary/Middle School

Metric Area/Metrics	Weight	Points
Academic Achievement	**30%**	**150**
Proficiency ELA	10%	50
Proficiency Math	10%	50
Proficiency Science	5%	25
Proficiency Social Studies	5%	25
Growth	**40%**	**200**
Growth in ELA	20%	100
Growth in Math	20%	100
On-Track-to-Graduation	**10%**	**50**
Average Daily Attendance	10%	50
College and Career Preparation	**20%**	**100**
Growth to Proficiency in ELA	10%	50
Growth to Proficiency in Math	10%	50
Total	**100%**	**500**

Figure 2: District/7th-12th grade Alternative Academic Performance Framework Schools
(Utilized for Delaware Alternative Academic Performance Framework 7th -12th grade schools)

District

Metric Area/Metrics	Weight	Points
Academic Achievement	**27.5%**	**137.5**
Proficiency ELA	8.75%	43.75
Proficiency Math	8.75%	43.75
Proficiency Science	5.0%	25.0
Proficiency Social Studies	5.0%	25.0
Growth	**42.5%**	**212.5**
Growth in ELA	21.25%	106.25
Growth in Math	21.25%	106.25
On-Track-to-Graduation	**15.0%**	**75.0**
Average Daily Attendance	5.0%	25.0
On-Track in 9th Grade	2.5%	12.5
4-Year Cohort Graduation Rate	5.0%	25.0
5-Year Cohort Graduation Rate	1.5%	7.5
6-Year Cohort Graduation Rate	1.0%	5.0
College and Career Preparation	**15.0%**	**75.0**
Growth to Proficiency in ELA	5.0%	25.0
Growth to Proficiency in Math	5.0%	25.0
College and Career Preparation	5.0%	25.0
Total	**100.0%**	**500.0**

Star Ratings by Overall Metric

Unless otherwise specified in this document, all measures and metrics follow the calculations, and rules of the Delaware School Success Framework used as the accountability system for all schools in the state of Delaware. The Delaware Alternative Framework utilizes the DSSF star ratings for overall metrics.

Metric Area	Level	1 Star	2 Star	3 Star	4 Star	5 Star
Academic Achievement	ES/MS	0-29	30-59	60-89	90-119	120-150
	HS	0-24	25-49	50-74	75-99	100-125
	District	0-27	28-54	55-82	83-109	110-137.5
Growth	ES/MS	0-39	40-79	80-119	120-159	160-200
	HS	0-44	45-89	90-134	135-179	180-225
	District	0-42	43-84	85-127	128-169	170-212.5
On-Track-to-Graduation	ES/MS	0-9	10-19	20-29	30-39	40-50
	HS	0-19	20-39	40-59	60-79	80-100
	District	0-14	15-29	30-44	45-59	60-75
College and Career Preparation	ES/MS	0-19	20-39	40-59	60-79	80-100
	HS	0-9	10-19	20-29	30-39	40-50
	District	0-14	15-29	30-44	45-59	60-75

Overall Academic Performance Metric Star Rating Calculations

Overall Academic Performance metric calculations are based on AMO's established by year for each content area using the following methodology:

<u>School % of Proficient Students</u> X Metric Points = Total

AMO=(1/2 standard deviation for that
School Year above previous year's AMO)

AMO's

School Year/ Subject	Starting AMO	2014-2015 Calculation	Exceeds Standard 2014-2015	2015-2016 Calculation	Exceeds Standard 2015-2016	2015-2016 Calculation	Exceeds Standard 2016-2017
English Language Arts	19.30%	Standard Deviation =15.1 15/2=7.5 19.3+7.5 = 26.8	26.80%	Standard Deviation =14.7 14.7/2=7.2 26.8+7.2 = 34%	34%	Standard Deviation =13.3 13.3/2= 6.9 34+6.9= 40.90%	41%
Mathematics	15%	Standard Deviation =12.8 12.8/2=6.4 15+6.4= 21.4 21.4	21.40%	Standard Deviation =13.9 13.9/2=6.9 21.4+6.9 = 28.38 28.38	28.38%	Standard Deviation =13.9 13.9/2=6.65 28.38+6.65= 35.03 35.03%	35.03%
Science	14.6	Standard Deviation =15.6 15.6/2=7.8 14.6+7.8 = 22.4 22.4	22.4	Standard Deviation =18.2 18.2/2=9.1 22.4+9.1 = 31.5 31.5	31.50%	Standard Deviation =13.9 13.9/2=6.95 31.5+6.95=38.45 38.45%	38.45%
Social Studies	22.3	Standard Deviation =19.8 19.8/2=9.9 22.3+9.9 = 32.2	32.2	Standard Deviation =18.1 18.1/2=9.05 32.2+9.05= 41.25	41.25	Not Assessed SY2016-2017	Points Re-Allocated

Star Ratings for Individual Academic Metrics

Individual star ratings are calculated based on ½ standard deviation intervals for the five (5) levels of star ratings. The graph below provides a breakdown of the ratings utilized for school years 2014-2015, 2015-2016 and 2016-2017. The standard deviation is calculated annually based on student data. Stars earned is based on the actual percentage of students achieving proficiency within the school.

Star Level	Content Area	SY14-15	SY15-16	SY16-17
5 Stars	ELA	26.8 or greater	34 or greater	41 or greater
4 Stars	ELA	19.3 to 26.7	33.9 to 26.8	34.1 to 40.9
3 Stars	ELA	19.2 to 11.9	26.7 to 19.6	27.2 to 34.0
2 Stars	ELA	11.8 to 4.4	19.5 to 12.4	20.3 to 27.1
1 Star	ELA	</= 4.3	</=12.4	</= 20.2
5 Stars	Math	21.4 or greater	28.3 greater	35.03 or greater
4 Stars	Math	15 to 21.3	28.2 to 21.4	28.38 to 35.02
3 Stars	Math	14.9 to 8.7	21.3 to 14.5	21.73 to 28.37
2 Stars	Math	8.6 to 2.3	14.4 to 7.6	15.08 to 21.27
1 Star	Math	</= 2.2	</=7.6	</= 15.07
5 Stars	Science	22.4 or greater	31.5 or greater	38.45 or greater
4 Stars	Science	14.6 to 22.3	31.4 to 22.4	31.5 to 38.44
3 Stars	Science	14.5 to 6.9	22.3 to 13.3	24.55 to 31.4
2 Stars	Science	6.8 to 1.1	13.2 to 4.2	17.6 to 24.54
1 Star	Science	</= 1	</=4.2	</=23.45
5 Stars	Soc. Studies	32.2 or greater	41.25 or greater	Not Assessed SY 2016/2017 Points Reallocated
4 Stars	Soc. Studies	22.3 to 32.1	41.24 to 32.2	
3 Stars	Soc. Studies	22.2 to 12.5	32.1 to 23.15	
2 Stars	Soc. Studies	12.4 to 2.6	23.14 to 14.1	
1 Star	Soc. Studies	</= 2.5	</=14.1	

Overall Growth Metric Star Rating Calculations

Overall Growth Metric calculations are established using the following methodology:

$$\frac{\text{School Growth}}{\text{State Average Growth for School Demographic}} \quad X \quad \text{Metric Points} = \text{Total}$$

(% students with disabilities & %students without disabilities meeting growth targets)[2]

Example of the School Growth Metric

Subject	School Growth Score	State Growth Average for SWD	Calculation	Metric Score
ELA	38.9	51.47	38.9/51.47*100	75.58
Math	24.75	52.52	24.75/52.52*100	47.12
Growth Area Score				122.70

Star Ratings by individual Growth Metric

Legend: What do stars mean?	Growth Metric Points Earned
Exceeds	**80+**
Meets	**60-79**
Approaching	**40-59**
Needs Improvement	**20-39**
Far Below	**<20**

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[2] School data is compared using whole state 'like' demographic student populations of students with disabilities and students without disabilities. The average school growth for Delaware includes the average number of students meeting their growth targets taken from the Roster Verification System (RVS). Elementary models would include the average growth for students assessed in third and fourth grades. Likewise, seventh through twelfth grade schools would compare growth for students in grades 7, 8, and SAT.   Growth comparisons are made using a 'like grade level' and 'like demographics for students with disabilities' comparison.

Overall Growth to Proficiency Metric Star Rating Calculations

Overall Growth to Proficiency (GTP) Metric calculations are established using the following methodology:

$$\frac{\text{School Growth to Proficiency}}{\text{State Average Growth to Proficiency for School Demographic}} \quad X \quad \text{Metric Points} \quad = \text{Total}$$

School Growth to Proficiency Metric

Subject	School Growth Score	State Growth Average	Calculation	Metric Score
ELA	13.01	45.37	13.07/45.37*50	14.34
Math	11.29	26.79	11.29/26.79*50	21.07
Growth To Proficiency Total Score				35.41

Star Ratings by individual Growth to Proficiency Metric

Legend: What do stars mean?	GTP Metric Points Earned Elementary (K-8)	GTP Metric Points Earned 7th-12th
Exceeds ★★★★★	40+	20-25
Meets ★★★★☆	30-39	15-19
Approaching ★★★☆☆	20-29	11-14
Needs Improvement ★★☆☆☆	10-19	6-10
Far Below ★☆☆☆☆	<10	<5

Examples of Accountability Rating Calculations

Elementary/Middle School

Metric Area	Metric Name	Calculation	Metric Data	AMO	% of Points Earned	Available Points	Metric Score	Stars Earned	Individual Metric Stars Earned	Area Score	Area Rating	Area Stars Earned
Academic Achievement	Proficiency ELA	School Score compared to AMO	9.03	26.80	33.69%	50	16.85	1	1-5 Stars	52.84	Star rating based on points achieved based on DSSF	2 Stars
	Proficiency Math		6.23	21.40	29.11%	50	14.56	1				
	Proficiency Science		11.05	22.40	49.33%	25	12.33	2				
	Proficiency Social Studies		11.73	32.20	36.43%	25	9.11	1				
Growth	Growth ELA	School Score compared to state average similar populations	17.00	47.00	36.17%	100	36.17	2		64.7		2 Star
	Growth Math		17.00	48.00	28.50%	100	28.50	2				
On-Track to Graduation	Attendance	Average Daily Attendance	97.12	DSSF Calculations were not modified for this metric	97.12%	50	48.56	5		48.56		5 Stars
College & Career Preparation	Growth to Proficiency ELA	School Score compared to state average similar grade configurations	2.00	34.00	5.88%	50	2.94	1		5.72		1 Star
	Growth to Proficiency Math		1.00	18.00	5.56%	50	2.78	1				

7th – 12th Grade School

Metric Area	Metric Name	Calculation	Metric Data	AMO	% of Points Earned	Available Points	Metric Score	Stars Earned	Individual Metric Stars Earned	Area Score	Area Rating	Area Stars Earned
Academic Achievement	Proficiency ELA	School Score compared to AMO	22.56	26.80	84.18%	43.75	36.83	3	1-5 Stars	80.65	Star raing based on points achieved based on DSSF	3 Stars
	Proficiency Math		7.52	21.40	35.14%	43.75	15.37	1				
	Proficiency Science		25.49	22.40	113.79%	25	28.45	4				
	Proficiency Social Studies		13.33	32.20	41.40%	25	10.35	2				
Growth	Growth ELA	School Score compared to state average similar populations	20.00	32.0	50.00%	106.25	53.13	3		119.17		3 Stars
	Growth Math		25.00	34.0	62.16%	106.25	66.05	4				
On-Track to Graduation	Attendance	Average Daily Attendance	92.00%	DSSF Calculations were not modified for this metric	92.00%	26.25	24.15	Individual star ratings are not calculated for this metic		61.24		5 Stars
	On-Track in the 9th grade	DSSF Calculation	94.40%		94.40%	13.75	12.98					
	4-year Cohort Graduation Rate	DSSF Calculation	73.68%		73.68%	26.25	19.341					
	5-year Cohort Graduation Rate	DSSF Calculation	54.55%		54.55%	8.75	4.773125					
	6-year Cohort Graduation Rate	DSSF Calculation	**		**	**	**					
College & Career Preparation	Growth to Proficiency ELA	School Score compared to state average similar grade configurations	6.0	22.0	27.27%	25	6.8	2		12.10		1 Star
	Growth to Proficiency Math		2.0	34.0	5.88%	25	1.5	1				
	College & Career Preparation	DSSF Calculation	5.88	38.60	15.23%	25	3.8	Individual star ratings are not calculated for this metic				

Sample Alternative Academic Performance Framework

Year
School Name

Address
address
Phone
phone number
Website
website
District
school name
Head of School
school leader name
Grade Served
grade levels

Demographics

Total Enrollment	#
American Indian/Native American	%
African American	%
Asian	%
Hawaiian/Pacific Islander	%
Hispanic	%
White	%
Multiracial	%
Low Income	%
Students with Disabilities	%
English Language Learners	%

School Narrative
Narrative

Overall School Performance

STAR RATING ☆☆
Academic Achievement
28% of Overall Performance

Students that are proficient have a greater likelihood of entry and success in education and career training beyond high school.

STAR RATING ☆☆
Academic Growth
42% of Overall Performance

Schools with strong growth demonstrate a greater ability to improve student learning over time.

STAR RATING ☆☆
On Track to Graduation
15% of Overall Performance

Students who are on-track are more likely to complete high school on time, as well as succeed in education and training beyond high school.

STAR RATING ☆☆
College and Career Preparation
15% of Overall Performance

Students that maintain or grow to proficiency are more likely to be prepared for success in education and career training beyond high school.

Legend: What do stars mean?

Far Below
★☆☆☆☆

Needs Improvement
★★☆☆☆

Approaching
★★★☆☆

Meets
★★★★☆

Exceeds
★★★★★

Mission-Specific Goals:

School's Mission Specific Goal Data

ACADEMIC PERFORMANCE

Proficiency in English Language Arts   **Proficiency in Mathematics**

Percent of students proficient in specified content area as compared to the Annual Measurable Objective (AMO).

School	#
AMO	#

School	#
AMO	#

Proficiency in Science   **Proficiency Social Studies**

Percent of students proficient in specified content area as compared to the Annual Measurable Objective (AMO).

School	#
State Comparison	#

School	#
State Comparison	#

STAR RATING ☆☆

ACADEMIC GROWTH

Growth in English Language Arts   **Growth in Mathematics**

The relative academic growth that students are demonstrating in English Language Arts and Math compared to the academic growth of similar populations of students statewide.

School	#
State Comparison	#

School	#
State Comparison	#

STAR RATING ☆☆

ON TRACK TO GRADUATION

Attendance   **Four-Year Graduation Rate**

Percent of days that students attend school

Percent of students who graduate from high school within the traditional four-year time frame

School	#
State	#

School	#
State	#

On Track in 9th Grade   **Five-Year Graduation Rate**

Percent of 9th graders earning the credits necessary to be on-track to graduate from high school in four years.

Percent of students who graduate from high school within five years

School	#
State	#

School	#
State	#

Six-Year Graduation Rate

Percent of students who graduate from high school

School	#
State	#

STAR RATING ☆☆

College & Career Preparation

Growth to Proficiency in English Language Arts   **Growth to Proficiency in Mathematics**

Percent of students who are on-track to be proficient (on grade level) in English Language Arts and Mathematics in comparison to the average growth to proficiency for similar populations of students in Delaware

School	#
State	#

School	#
State	#

College & Career Preparation

Percent of students who have demonstrated preparation for education and career training after high school through Smarter Balanced, AP, IB course work, SAT, Career and Technical Education Pathway (technical skills attainment), and dual enrollment.

School	#
State	#