SADLS - State Automated Driver's License System Validations - FRD

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Version Control

Version	Date	Author(s)	Brief Description of Change
v1	6/30/2025	NCDPI	Initial creation of SADLS Validations

Overview

Summary

North Carolina Department of Motor Vehicles (NC DMV) manages driving licenses for citizens living in the State using the State Automated Driver's License System (SADLS). SADLS is architected using mainframe technology and CICS "green" screens to enter and maintain driver license data. Currently, there is no automated system interface between the Student Information System (SIS) maintained by the Department of Public Instruction (DPI) and SADLS. Reports generated in the SIS contain information necessary to manually enter data into SADLS.

High School Dropout (HSDO) Prevention/Driver's License legislation

North Carolina House Bill 769-GS 20-11 became effective December 1, 1997 and reflects a coordinated statewide effort to motivate and encourage students to complete high school. This legislation requires that a student's driving permit or license be revoked if a student is unable to maintain adequate academic progress or drops out of school.

Lose Control, Lose Your License (LCLL) legislation

North Carolina Senate Bill 57, which became effective July 1, 2000, requires that a student's driving permit or license be revoked for one year if a student is (1) expelled, (2) given a suspension for more than 10 consecutive days or (3) given an assignment to an alternative educational setting for more than 10 consecutive days for one of the following reasons:

1. The possession or sale of an alcoholic beverage or an illegal controlled substance on school property.
2. The possession or use on school property of a weapon or firearm that resulted in disciplinary action under G.S. 115C-391 (d1) or that could have resulted in that disciplinary action if the conduct had occurred in a public school.
3. The physical assault on a teacher, or other school personnel, on school property.

Unlike the "Dropout Prevention/Driver's License" law that only affects students under the age of 18, the "Lose Control" law does not stop at age 18. It is possible for a student to have his or her license suspended as a 17-and-a-half-year-old and not be eligible to drive for a full calendar year, reaching 18-and-a-half before again being eligible to drive.

Due Dates

The SADLS Validation suite is intended to be run on a Semester and Yearly basis.

Scope and Purpose

The SADLS Validation suite reviews student information over the last 365 days. The information provided by these validations are meant to indicate further investigation is needed into a student's driver's permit or license status.

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Functional Requirements

Path: Reporting > Data Validation > Validation Rules & Validation Groups

Reporting Population and Business Rules

FR #	Requirement
1	All Validation Rules and the Validation Group will be System Owned.
1.1	Validation Rules and the Validation Group will be enabled at ALL Districts
2	The Validation Date Range queries data from the last 365 days.
3	The Validation Group will be titled: SADLS Validation Suite
4	The Validation Group consists of the following Validation Rules:
4.1	SADLS Academic Progress Report
4.2	SADLS Deficient Number of Courses Report
4.3	SADLS Dropout/Consecutive Absences Report
4.4	SADLS Discipline Report
5	If a students meets the requirements of a validation rule more than once, report each instance within it's own row of data, specifically for the following Validation Rules:
5.1	SADLS Dropout/Consecutive Absences Report
5.2	SADLS Discipline Report

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6	The validation output will be sorted in the following order: 1. SchoolName 2. LastName

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Validation Rule: SADLS Academic Progress Report

This validation will list all students between the ages of 15 and 17 that are not passing 70% of their enrolled classes over the last year.

Data Elements

#	Data Element	Business Requirement *Business Rules*	Data Source GUI Path	Database Field	Format
1	SchoolName	Report the School Name of the student's primary enrollment *Report School.name that is EQUAL to Calendar.schoolID of the student's most recent PRIMARY enrollment.*	Student Information > General > Enrollments	Calendar.schoolID School.name	Alpha characters
2	StateStudentID	Report the student's State ID number *Report the student's Person.stateID.*	Census > People > Demographics > Student State ID	Person.stateID	Numeric
3	LastName	Report the student's last name as of the date of running the validation *Report the student's Identity.legalLastName as of the time the user is generating the report extract.*	Census > People > Demographics > Last Name	Identity. legalLastName	Alpha Characters

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4	FirstName	Report the student's first name as of the date of running the validation. *Report the student's Identity.legalFirstName as of the time the user is running the validation.*	Census > People > Demographics > First Name	Identity. legalFirstName	Alpha Characters
5	Age	Report the student's age as of the date of running the validation *Calculate (the date the user is running the validation) MINUS (Identity.birthDate)* *Report if the calculated age is EQUAL TO or MORE THAN 15 but LESS THAN 18* *Else exclude from the report*	Census > People > Demographics > Birth Date	Calculation based on Identity.birthDate	Numeric
6	Grade	Report the student's grade of their most recent enrollment. *Report the student's Enrollment.grade of their most recent PRIMARY enrollment.*	Student Information > General > Enrollments > Grade	Enrollment.grade	Numeric

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| 7 | EnrollmentStatus | Report the student's enrollment status.

Ignore enrollments where Enrollment.startDate is AFTER the date of running the validation.

If the student's most recent PRIMARY enrollment's Enrollment.endDate is AFTER the date of running the validation, then report 'Active'

Else, report Inactive | Student Information > General > Enrollments > End Date | Calculation based on Enrollment. endDate | Alpha characters |
| 8 | PercentCoursesFailed | Report the percent of courses the student passed.

Reference Logic section. | Student Information > General > Transcript | Calculation based on TranscriptCourse. percent

TranscriptCourse. date | Percentage to 1 decimal place |

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Logic

Data Element #	Report Data Element	Business Requirement
		Business Rules
8	PercentCoursesFailed	Report the percent of courses the student passed. *Calculate the following based on data from the last 365 days (TranscriptCourse.date is ON OR AFTER Today's Date MINUS 365):* *(Count the number of courses with a posted TranscriptCourse.percent that is LESS THAN 60%)* *DIVIDED BY* *(Count the number of courses with posted grades)* *IF the above calculation results in a value MORE THAN 30%, report that percentage* *ELSE, exclude from report*

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Validation Rule: SADLS Deficient Number of Courses Report

This validation will list all students between the ages of 15 and 17 who are enrolled in less than the required minimum number of active classes over the last year.

Data Elements

#	Data Element	Business Requirement *Business Rules*	Data Source GUI Path	Database Field	Format
1	SchoolName	Report the School Name of the student's primary enrollment *Report School.name that is EQUAL to Calendar.schoolID of the student's most recent PRIMARY enrollment.*	Student Information > General > Enrollments	Calendar.schoolID School.name	Alpha characters
2	StateStudentID	Report the student's State ID number *Report the student's Person.stateID.*	Census > People > Demographics > Student State ID	Person.stateID	Numeric

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3	LastName	Report the student's last name as of the date of running the validation *Report the student's Identity. legalLastName as of the time the user is generating the report extract.*	Census > People > Demographics > Last Name	Identity.legalLastName	Alpha Characters
4	FirstName	Report the student's first name as of the date of running the validation. *Report the student's Identity. legalFirstName as of the time the user is running the validation.*	Census > People > Demographics > First Name	Identity.legalFirstName	Alpha Characters
5	Age	Report the student's age as of the date of running the validation *Calculate (the date the user is running the validation) MINUS (Identity.birthDate)* *Report if the calculated age is EQUAL TO or MORE THAN 15 but LESS THAN 18* *Else exclude from the report*	Census > People > Demographics > Birth Date	Identity.birthDate	Numeric

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6	Grade	Report the student's grade of their most recent enrollment. *Report the student's Enrollment.grade of their most recent PRIMARY enrollment.*	Student Information > General > Enrollments > Grade	Enrollment.grade	Numeric
7	EnrollmentStatus	Report the student's enrollment status. *Ignore enrollments where Enrollment. startDate is AFTER the date of running the validation.* *If the student's most recent PRIMARY enrollment's Enrollment.endDate is AFTER the date of running the validation, then report 'Active'* *Else, report 'Inactive'*	Student Information > General > Enrollments > End Date	Calculation based on Enrollment. endDate	Alpha characters
8	LessThanHalfSchedule	Report the percent of rostered classes within a student's schedule. Reference Logic section.	Student Information > General > Schedule	Calculation based on Roster.endDate, Term.endDate, Course.periods, Period. name, Period.nonInstructional, and Day.date	Percentage to 1 decimal place

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Logic

Data Element #	Report Data Element	Business Requirement
		Business Rules

8	LessThanHalfSchedule	Report the percent of rostered classes within a student's schedule.
		
		 Quick reference of Enrollment to Period/Term connections:
		
		 dbo.Enrollment > dbo.Calendar > dbo.ScheduleStructure > dbo.TermSchedule > dbo.Term
		
		 dbo.Enrollment > dbo.Calendar > dbo.ScheduleStructure > dbo.PeriodSchedule > dbo.Period > dbo.Day
		
		 Calculate the following based on data over the last 365 days:
		
		 Of the courses that the student was rostered in,
		
		 IF the Roster.endDate is NULL, or is EQUAL TO Term.endDate, or is EQUAL TO Enrollment.endDate
		
		     THEN
		
		     (COUNT the total number of periods that the student was rostered for)
		
		     DIVIDED BY
		
		     (COUNT the total number of periods that existed during the student's enrollments AND the School Day Calendar)
		
		         IF the above calculation is LESS THAN 50%, report the calculated percentage
		
		         Else, exclude from report

Validation Rule: SADLS Dropout/Consecutive Absences Report

This validation will list all students between the ages of 15 and 17 who have an Exit Code of W2 or who had 10 consecutive unexcused (2A) absences over the last year.

Data Elements

#	Data Element	Business Requirement *Business Rules*	Data Source GUI Path	Database Field	Format
1	SchoolName	Report the School Name of the student's primary enrollment *Report School.name that is EQUAL to Calendar.schoolID of the student's most recent PRIMARY enrollment.*	Student Information > General > Enrollments	Calendar.schoolID School.name	Alpha characters
2	StateStudentID	Report the student's State ID number *Report the student's Person.stateID.*	Census > People > Demographics > Student State ID	Person.stateID	Numeric
3	LastName	Report the student's last name as of the date of running the validation *Report the student's Identity.legalLastName as of the time the user is generating the report extract.*	Census > People > Demographics > Last Name	Identity. legalLastName	Alpha Characters

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4	FirstName	Report the student's first name as of the date of running the validation. *Report the student's Identity.legalFirstName as of the time the user is running the validation.*	Census > People > Demographics > First Name	Identity. legalFirstName	Alpha Characters
5	Age	Report the student's age as of the date of running the validation *Calculate (the date the user is running the validation) MINUS (Identity.birthDate)* *Report if the calculated age is EQUAL TO or MORE THAN 15 but LESS THAN 18* *Else exclude from the report*	Census > People > Demographics > Birth Date	Identity.birthDate	Numeric
6	Grade	Report the student's grade of their most recent enrollment. *Report the student's Enrollment.grade of their most recent PRIMARY enrollment.*	Student Information > General > Enrollments > Grade	Enrollment.grade	Numeric

7	EnrollmentStatus	Report the student's enrollment status. *Ignore enrollments where Enrollment.startDate is AFTER the date of running the validation.* *If the student's most recent PRIMARY enrollment's Enrollment.endDate is AFTER the date of running the validation, then report 'Active'* *Else, report Inactive*	Student Information > General > Enrollments > End Date	Calculation based on Enrollment. endDate	Alpha characters
8	TenUnExAbsences	Report the date range of 10 or more consecutive days with an Unexcused Absence type of 2A - Unlawful Absence. *Reference Logic section.*	Student Information > General > Attendance	Calculation based on AttendanceExcuse. code Calendar. wholeDayAbsence	Date Range MM/DD /YYYY - MM /DD/YYYY
9	EntryDate	Report the student's enrollment entry date when their Local End Status is W2 - Early Leaver/Withdrawal. *IF a student's Enrollment.localEndStatus EQUALS 'W2 - Early Leaver/Withdrawal'* *THEN report the student's Enrollment.startDate* *Else, Leave Blank*	Student Information > General > Enrollments > Start Date	Enrollment. startDate	Date MM/DD /YYYY

10	ExitDate	Report the student's enrollment exit date when their Local End Status is W2 - Early Leaver/Withdrawal.	Student Information > General > Enrollments > End Date	Enrollment. endDate	Date MM/DD /YYYY
		IF a student's Enrollment.localEndStatus EQUALS 'W2 - Early Leaver/Withdrawal' *THEN report the student's Enrollment.endDate* *Else, Leave Blank*			
11	ExitCode	Report the student's enrollment exit code when their Local End Status is W2 - Early Leaver/Withdrawal.	Student Information > General > Enrollments > Local End Status	Enrollment. localEndStatus	Alphanumeric
		Report the student's Enrollment.localEndStatus IF the student's Enrollment.localEndStatus EQUALS 'W2 - Early Leaver/Withdrawal' *Else, Leave Blank*			

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Logic

Data Element #	Report Data Element	Business Requirement
		Business Rules
8	10UnExAbsences	Report the date range of 10 or more consecutive days with an Unexcused Absence type of 2A - Unlawful Absence.
		IF Attendance.date meets the following criteria *(AttDayAggregation.unexcusedAbsenceMinutes is EQUAL TO or MORE THAN Calendar. wholeDayAbsence* *AND AttendanceExcuse.code IS 2A - Unlawful Absence)* *AND the above criteria is met for 10 or more CONSECUTIVE days* *Report the date range of this occurrence*

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Validation Rule: SADLS Discipline Report

This validation will list all students between the ages of 15 and 17 who were expelled, given a suspension for more than 10 consecutive days, or who were given an assignment to an alternative educational setting (Alternative Learning Program) for more than 10 consecutive days for one of the following 3 reasons:

1. The possession or sale of an alcoholic beverage or an illegal controlled substance on school property.
2. The possession or use on school property of a weapon or firearm that resulted in disciplinary action.
3. The physical assault on a teacher, or other school personnel on school property.

Data Elements

#	Data Element	Business Requirement *Business Rules*	Data Source GUI Path	Database Field	Format
1	SchoolName	Report the School Name of the student's primary enrollment *Report School.name that is EQUAL to Calendar.schoolID of the student's most recent PRIMARY enrollment.*	Student Information > General > Enrollments	Calendar.schoolID School.name	Alpha characters
2	StateStudentID	Report the student's State ID number *Report the student's Person.stateID.*	Census > People > Demographics > Student State ID	Person.stateID	Numeric

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3	LastName	Report the student's last name as of the date of running the validation *Report the student's Identity.legalLastName as of the time the user is generating the report extract.*	Census > People > Demographics > Last Name	Identity.legalLastName	Alpha Characters
4	FirstName	Report the student's first name as of the date of running the validation. *Report the student's Identity.legalFirstName as of the time the user is running the validation.*	Census > People > Demographics > First Name	Identity.legalFirstName	Alpha Characters
5	Age	Report the student's age as of the date of running the validation *Calculate (the date the user is running the validation) MINUS (Identity.birthDate)* *Report if the calculated age is EQUAL TO or MORE THAN 15 but LESS THAN 18* *Else exclude from the report*	Census > People > Demographics > Birth Date	Identity.birthDate	Numeric

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6	Grade	Report the student's grade of their most recent enrollment. *Report the student's Enrollment.grade of their most recent PRIMARY enrollment.*	Student Information > General > Enrollments > Grade	Enrollment.grade	Numeric
7	EnrollmentStatus	Report the student's enrollment status. *Ignore enrollments where Enrollment.startDate is AFTER the date of running the validation.* *If the student's most recent PRIMARY enrollment's Enrollment.endDate is AFTER the date of running the validation, then report 'Active'* *Else, report Inactive*	Student Information > General > Enrollments > End Date	Calculation based on Enrollment.endDate	Alpha characters
8	IncidentDate	Report the date of the behavior incident. *Report the BehaviorIncident.timestamp of the BehaviorIncident.incidentID that meets the logic criteria for EventType AND ResolutionType.*	Student Information > Behavior > Behavior Management	BehaviorIncident.timestamp	Date-timestamp MM/DD/YYYY HH:MM

9	IncidentID	Report the incident ID of the behavior incident. *Report the BehaviorIncident.incidentID of the incident that meets the logic criteria for EventType AND ResolutionType.*	Student Information > Behavior > Behavior Management	BehaviorIncident. incidentID	Numeric
10	EventType	Report if the ResolutionType logic is met and the corresponding event type is one of the following: 1. The possession or sale of an alcoholic beverage or an illegal controlled substance on school property. 2. The possession or use on school property of a weapon or firearm that resulted in disciplinary action. 3. The physical assault on a teacher, or other school personnel on school property. *Reference Logic section.*	Student Information > Behavior > Behavior Management	BehaviorType. stateEventCode	Alphanumeric

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11	ResolutionType	Report if the EventType logic is met and the corresponding resolution type is one of the following: 1. The student was expelled. 2. The student was given a suspension for more than 10 consecutive days. 3. The student was given an assignment to an alternative educational setting (Alternative Learning Program) for more than 10 consecutive days. *Reference Logic section.*	Student Information > Behavior > Behavior Management	BehaviorResType. stateResCode	Alphanumeric
12	Location	Report the location of the behavior incident. *Report the attribute 'code: name' of the BehaviorIncident. location for the incident that meets the logic criteria for EventType AND ResolutionType.*	Student Information > Behavior > Behavior Management	BehaviorIncident. location	Alphanumeric

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Data Element #	Report Data Element	Business Requirement *Business Rules*
10	EventType	Report if the event type is one of the following and the corresponding ResolutionType logic is met: 1. The possession or sale of an alcoholic beverage or an illegal controlled substance on school property. 2. The possession or use on school property of a weapon or firearm that resulted in disciplinary action. 3. The physical assault on a teacher, or other school personnel on school property. *WHEN BehaviorIncident.status IS Complete* *IF BehaviorEvent.stateEventCode attribute code IS one of the following* *(002, 003, 005, 006, 007, 008, 009, 010, 017, 020, 048, 049, 050, 054, 055, 056, 056, 057, 087, 088, 118, 103, 104, 119, 131, 132)* *AND* *ResolutionType logic is met* *Report the attribute 'code: name' of the Behavior.stateEventCode*

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11	ResolutionType	Report if the EventType logic is met and the corresponding resolution type is one of the following:
		1. The student was expelled.
		2. The student was given a suspension for more than 10 consecutive days.
		3. The student was given an assignment to an alternative educational setting (Alternative Learning Program) for more than 10 consecutive days.
		WHEN BehaviorIncident.status IS Complete
		AND BehaviorResType is associated with BehaviorEvent
		IF BehaviorResType.stateResCode attribute code IS one of the following
		(006
		OR
		[(003, 005, 005, 008, 009, 010, 035, 036, 037, 038) and (BehaviorResType.endDate MINUS BehaviorResType. startDate is MORE THAN 10])
		AND
		EventType logic is met
		Report the attribute 'code: name' BehaviorResType.stateEventCode

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