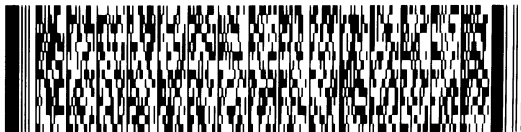# SCDMV

Barcode Interpretation Information

The South Carolina DMV driver license and identification cards contain a PDF417 two-dimensional (2-D) barcode on the reverse of all cards. This barcode contains the same text information contained on the front of the card and is useful for performing functions such as electronic age verification.

This information explains how to interpret the barcode and the contents using sample information from the front of a card.

Sample cardholder information (from front of card)

DL#:   102245737
Last name: SAMPLE
Given names: DRIVER CREDENTIAL
Address: 1500 PARK ST
City: COLUMBIA
State: SC
Zip: 29201-2731
Class: D
Height: 6-00
Weight: 200
Sex: M
Date of Birth: 09-28-1978
Issued: 10-26-2009
Expires: 09-28-2019

Sample PDF417 2-D Barcode from reverse of same card

The above barcode printed at 300dpi and above will read on most barcode scanners that support PDF417.

Sample PDF417 barcode scan reads as:
@
ANSI
6360050101DL00300201DLDAQ102245737DAASAMPLE,DRIVER,CREDENTIAL,DAG
1500 PARK STDAICOLUMBIADAJSCDAK292012731 DARD DAS   DAT
DAU600DAW200DAY DAZ
DBA20190928DBB19780928DBC1DBD20091026DBG2DBH1

Examples - Locating cardholder information:
Within the raw barcode text data, from the @ sign through to the first cardholder data element (DAQ) the barcode contains header information only, relating to standard compliance and PDF417 version numbers.

Field Sample #1 - (DL/Customer Number):
The DL# or Customer # (prefixed by the data element identifier **DAQ**) is shown as it is embedded within the barcode following the identifier (102245737)

@
ANSI
6360050101DL00300201DL**DAQ102245737**DAASAMPLE,DRIVER,CREDENTIAL,DAG
1500 PARK STDAICOLUMBIADAJSCDAK292012731 DARD DAS   DAT
DAU600DAW200DAY   DAZ
DBA20190928DBB19780928DBC1DBD20091026DBG2DBH1

Field Sample #2 – Date of Birth):
The Date of Birth (DOB) (prefixed by the data element identifier **DBB**) is shown as it is embedded within the barcode following the identifier (19780928). The format is CCYYMMDD. The birth date would thereby translate to September 28th, 1978.

@
ANSI
6360050101DL00300201DLDAQ102245737DAASAMPLE,DRIVER,CREDENTIAL,DAG
1500 PARK STDAICOLUMBIADAJSCDAK292012731 DARD DAS   DAT
DAU600DAW200DAY   DAZ
DBA20190928**DBB19780928**DBC1DBD20091026DBG2DBH1

Chart of all Barcode Fields and Data Element Identifiers

The following chart indicates all of the fields contained within the SCDMV 2-D barcode and provides the content for each field for the sample barcode provided.

SCDMV 2-D Barcode Data Content Format

Field	Data Element Identifier	Content (Sample)
Driver License # or Customer #	DAQ	102245737
Customer Full Name (Lastname,Given names)	DAA	SAMPLE,DRIVER CREDENTIAL
Customer Address - Street	DAG	1500 PARK ST
Customer Address - City	DAI	COLUMBIA
Customer Address - Jurisdiction (2 letter state code)	DAJ	SC
Customer Address - Zip code	DAK	292012731
Driver License Class Code	DAR	D
Driver License Restriction Code(s)	DAS	
Driver License Endorsement Code(s)	DAT	
Customer Height (Feet/Inches)	DAU	600
Customer Weight (lbs)	DAW	200
Customer Eye Color (not used)	DAY	
Customer Hair Color (not used)	DAZ	
Driver License or ID Expiry Date CCYYMMDD	DBA	20190928
Customer Date of Birth CCYYMMDD	DBB	19780928
Customer Gender (M =1 or F = 2)	DBC	1
DL or ID Issue Date	DBD	20091026
Internal Indicator Codes (not used) (all records = 2)	DBG	2
Organ Donor (Yes = 1 or No = 2)	DBH	1