

## Attachment F-Sample Card Production File Layout

MICHIGAN DEPARTMENT OF STATE  
BUREAU OF RESOURCE MANAGEMENT SYSTEMS  
APPLICATIONS PROGRAMMING DIVISION

Rev. 4/99

### FILE LAYOUT

LAYOUT NUMBER: <b>DB072D</b>	DATE: <b>12/16/2003 (D. McCrumb/S. Jones)</b>	PAGE: <b>1 of 15</b>
FILE NAME: <b>Digitized Card Detail</b>	FILE TITLE: <b>A = PDF/DR/CARDDetail on PDFPACK B = PDF/DR/GDLCARD on PDFPACK C = PDF/SA/AGENTCARD on PDFPACK D = SA/L2KCARD (not in Standard FD) S=SORT/CARDDetail (used internally by DR/1132) STANDARD FD = F/DR/CREATECARD</b>	PREPARED BY: <b>SHERRY WILLADSON</b>

RECORD NAME:	RECORD SIZE:			RECORDS PER BLOCK:		
<b>CARD-REC, SALAGENT-REC, and GDL-LEVEL3-REC</b>	<b>648</b>			<b>35</b>		
FIELD NAME	START	LENGTH	CLASS (AN/N/A)	CODED FIELD	FORMAT	CONSTANT VALUE
Card Type	1	1	AN	[1]		D, P, O, X
Format Code	2	2	AN	[2]		O, C, L, M, R, D, P, I, E, G
ID Number	4	17	AN	[3]		
Locator Info (Transaction#, Validation#)	21	11				
Julian Day ( <i>printed on card</i> )	(21)	(4)	AN	[4]	A999 or MMDD	
Branch Number ( <i>printed on card</i> )	(25)	(3)	AN	[4]	999 or "SVA"	
Sequence Number	(28)	(4)	N	[4]		
Name (FIRST MIDDLE LAST SUFFIX)	32	36	AN			(S.A. is L F M S)
Birth Date	68	10	AN		MM-DD-YYYY	
Street	78	36	AN			
City	114	19	AN			
State	133	2	AN			
Zip Code	135	9	AN			
Zip	(135)	(5)	AN			
Zip + 4	(140)	(4)	AN			
Sex	144	1	AN			M or F or Blank
Height	145	3	N	[5]		
Weight (PID & Salvage Agent only)	148	3	N			Blank for DLs
Eye color	151	3	AN	[6]		
Duplicate Indicator	154	1	AN	[4]		D or G or Blank
Expiration Date	155	10	AN		MM-DD-YYYY	
Under 21 Indicator	165	1	AN	[7]		Y or N
Under 21 Date	166	10	AN	[7]	MM-DD-YYYY	
License Type	176	1	AN	[8]		O or C or M
GDL Endorsement	177	1	AN	[8]		2 or Blank
CDL Group	178	1	AN	[8]		A or B or C or Blank
Cycle endorsement	179	2	AN	[9]		CY or Blank
CDL endorsement	181	5	AN	[9]		H, N, P, S, T, X or Blank

**FILE LAYOUT**

LAYOUT NUMBER: <b>DB072D</b>	DATE: <b>12/16/2003 (D. McCrumb/S. Jones)</b>	PAGE: <b>2 of 15</b>
FILE NAME: <b>Digitized Card Detail</b>	FILE TITLE: <b>A = PDF/DR/CARDDetail on PDFPACK        B = PDF/DR/GDLCARD on PDFPACK        C = PDF/SA/AGENTCARD on PDFPACK        D = SA/L2KCARD (not in Standard FD)        S= SORT/CARDDetail (used internally by DR/1132)  <b>STANDARD FD = F/DR/CREATECARD</b></b>	PREPARED BY: <b>SHERRY WILLADSON</b>

FIELD NAME	START	LENGTH	CLASS (AN/N/A)	CODED FIELD	FORMAT	CONSTANT VALUE
RECORD NAME: <b>CARD-REC, SALAGENT-REC, and GDL-LEVEL3-REC</b>	RECORD SIZE: <b>648</b>		RECORDS PER BLOCK: <b>35</b>			
MI endorsement	186	3	AN	[9]		F, R, FR or Blank
Corrective Lens	189	1	AN	[10]		Y or N
Restrictions	190	242	AN	[10]		
Pull/Sort	432	1	N	[11]		
Valid Without Photo	433	1	AN	[12]		Y or N
PID - Blind indicator	434	1	AN	[13]		Y or N
Dealer Business Name (Salvage Agent)	435	36	AN			
Dealer Number (Salvage Agent)	471	6	AN	[14]	A9999b	
Weight (Salvage Agent)	477	3	N	[15]		
Social Security Number (Employee ID)	480	11	AN		999b99b9999	
Title (Employee ID)	491	30	AN			
Bureau/Department (Employee ID)	521	30	AN			
Building (Employee ID)	551	30	AN			
Institution (Employee ID)	581	30	AN			
Issue Date (Employee ID)	611	10	AN		MM-DD-YYYY	
Expiration Date (Employee ID)	621	10	AN		MM-DD-YYYY	
Under18-Ind	631	1	AN	[7]		Y, N, Space
Under18-Date	632	10	AN	[7]	[MM-DD-YYYY]	
FILLER	642	7	AN			SPACES

**FILE LAYOUT**

LAYOUT NUMBER: <b>DB072D</b>	DATE: <b>12/16/2003 (D. McCrumb/S. Jones)</b>	PAGE: <b>3 of 15</b>
FILE NAME: <b>Digitized Card Detail</b>	FILE TITLE: <b>A = PDF/DR/CARDDetail on PDFPACK        B = PDF/DR/GDLCARD on PDFPACK        C = PDF/SA/AGENTCARD on PDFPACK        D = SA/L2KCARD (not in Standard FD)        S=SORT/CARDDetail (used internally by DR/1132)  <b>STANDARD FD = F/DR/CREATECARD</b></b>	PREPARED BY: <b>SHERRY WILLADSON</b>

RECORD NAME: <b>PID-CARD-REC (informational only)</b>	RECORD SIZE: <b>648</b>			RECORDS PER BLOCK: <b>35</b>		
FIELD NAME	START	LENGTH	CLASS (AN/N/A)	CODED FIELD	FORMAT	CONSTANT VALUE
Card Type	1	1	AN	[1]		P
Format Code	2	2	AN	[2]		P
ID Number	4	17	AN	[3]		X 999 999 999 9
Locator Info	21	11				
Julian Day ( <i>printed on card</i> )	(21)	(4)	AN	[4]	A999	
Branch Number ( <i>printed on card</i> )	(25)	(3)	AN	[4]	999 or "SVA"	
Sequence Number	(28)	(4)	N	[4]		
Name (FIRST MIDDLE LAST SUFFIX)	32	36	AN			
Birth Date	68	10	AN		MM-DD-YYYY	
Street	78	36	AN			
City	114	19	AN			
State	133	2	AN			
Zip Code	135	9	AN			
Zip	(135)	(5)	AN			
Zip + 4	(140)	(4)	AN			
Sex	144	1	AN			M or F or Blank
Height	145	3	N	[5]		
Weight (PID & Salvage Agent only)	148	3	N			
Eye color	151	3	AN	[6]		
Duplicate Indicator	154	1	AN	[4]		D or Blank
Expiration Date	155	10	AN		MM-DD-YYYY	
Under 21 Indicator	165	1	AN	[7]		Y or N
Under 21 Date	166	10	AN	[7]	MM-DD-YYYY	
License Type (not used for PIDs)	176	1	AN	[8]		Blank
GDL Endorsement (not used for PIDs)	177	1	AN	[8]		Blank
CDL Group (not used for PIDs)	178	1	AN	[8]		Blank
Cycle endorsement (not used for PIDs)	179	2	AN	[9]		Blank
CDL endorsement (not used for PIDs)	181	5	AN	[9]		Blank
MI endorsement (not used for PIDs)	186	3	AN	[9]		Blank
Corrective Lens (not used for PIDs)	189	1	AN	[10]		Y or N

**FILE LAYOUT**

LAYOUT NUMBER: <b>DB072D</b>	DATE: <b>12/16/2003 (D. McCrumb/S. Jones)</b>	PAGE: <b>4 of 15</b>
FILE NAME: <b>Digitized Card Detail</b>	FILE TITLE: <b>A = PDF/DR/CARDDetail on PDFPACK        B = PDF/DR/GDLCARD on PDFPACK        C = PDF/SA/AGENTCARD on PDFPACK        D = SA/L2KCARD (not in Standard FD)        S= SORT/CARDDetail (used internally by DR/1132)  <b>STANDARD FD = F/DR/CREATECARD</b></b>	PREPARED BY: <b>SHERRY WILLADSON</b>

RECORD NAME:	RECORD SIZE:			RECORDS PER BLOCK:		
<b>PID-CARD-REC (informational only)</b>	<b>648</b>			<b>35</b>		
FIELD NAME	START	LENGTH	CLASS (AN/N/A)	CODED FIELD	FORMAT	CONSTANT VALUE
Restrictions (not used for PIDs)	190	242	AN	[10]		
Pull/Sort	432	1	N	[11]		
Valid Without Photo	433	1	AN	[12]		Y or N
PID - Blind indicator	434	1	AN	[13]		Y or N
Dealer Business Name (not used for PIDs)	435	36	AN			
Dealer Number (not used for PIDs)	471	6	AN	[14]	A9999b	
Salv. Agent Weight (not used for PIDs)	477	3	N	[15]		
SSN (Employee ID) (not used for PIDs)	480	11	AN		999b99b9999	
Title (Employee ID) (not used for PIDs)	491	30	AN			
Bureau/Department (Employee ID only)	521	30	AN			
Building (Employee ID only)	551	30	AN			
Institution (Employee ID only)	581	30	AN			
Issue Date (Employee ID only)	611	10	AN		MM-DD-YYYY	
Expiration Date (Employee ID only)	621	10	AN		MM-DD-YYYY	
Under18-Ind	631	1	AN	[7]		Y, N, Space
Under18-Date	632	10	AN	[7]	[MM-DD-YYYY]	
FILLER	642	7	AN			SPACES

**FILE LAYOUT**

LAYOUT NUMBER: <b>DB072D</b>	DATE: <b>12/16/2003 (D. McCrumb/S. Jones)</b>	PAGE: <b>5 of 15</b>
FILE NAME: <b>Digitized Card Detail</b>	FILE TITLE: <b>A = PDF/DR/CARDDetail on PDFPACK        B = PDF/DR/GDLCARD on PDFPACK        C = PDF/SA/AGENTCARD on PDFPACK        D = SA/L2KCARD (not in Standard FD)        S= SORT/CARDDetail (used internally by DR/1132)  <b>STANDARD FD = F/DR/CREATECARD</b></b>	PREPARED BY: <b>SHERRY WILLADSON</b>

RECORD NAME: <b>SA-CARD-IN (hardcode in SA/LOADL2K)</b>	RECORD SIZE: <b>648</b>			RECORDS PER BLOCK: <b>35</b>		
FIELD NAME	START	LENGTH	CLASS (AN/N/A)	CODED FIELD	FORMAT	CONSTANT VALUE
Card Type	1	1	AN	[1]		O
Format Code	2	2	AN	[2]		D
ID Number	4	17	AN	[3]	S99999	
Locator Info	21	11				
Julian Day ( <i>printed on card</i> )	(21)	(4)	AN	[4]	MMDD	
Branch Number ( <i>printed on card</i> )	(25)	(3)	AN	[4]	SVA	
Sequence Number	(28)	(4)	N	[4]		
Name (LAST FIRST MIDDLE SUFFIX)	32	36	AN			
Birth Date	68	10	AN		MM-DD-YYYY	
Street	78	36	AN			
City	114	19	AN			
State	133	2	AN			
Zip Code	135	9	AN			
Zip	(135)	(5)	AN			
Zip + 4	(140)	(4)	AN			
Sex [FIELD NOT USED]	144	1	AN			SPACES
Height	145	3	N	[5]		
Weight (PID & Salvage Agent only)	148	3	N			
Eye color	151	3	AN	[6]		
Duplicate Indicator	154	1	AN	[4]		D or Blank
Expiration Date	155	10	AN		MM-DD-YYYY	
Under 21 Indicator	165	1	AN	[7]		N
Under 21 Date [FIELD NOT USED]	166	10	AN	[7]		SPACES
License Type [FIELD NOT USED]	176	1	AN	[8]		SPACES
GDL Endorsement [FIELD NOT USED]	177	1	AN	[8]		SPACES
CDL Group [FIELD NOT USED]	178	1	AN	[8]		SPACES
Cycle endorsement [FIELD NOT USED]	179	2	AN	[9]		SPACES
CDL endorsement [FIELD NOT USED]	181	5	AN	[9]		SPACES
MI endorsement [FIELD NOT USED]	186	3	AN	[9]		SPACES

**FILE LAYOUT**

LAYOUT NUMBER: <b>DB072D</b>	DATE: <b>12/16/2003 (D. McCrumb/S. Jones)</b>	PAGE: <b>6 of 15</b>
FILE NAME: <b>Digitized Card Detail</b>	FILE TITLE: <b>A = PDF/DR/CARDDetail on PDFPACK        B = PDF/DR/GDLCARD on PDFPACK        C = PDF/SA/AGENTCARD on PDFPACK        D = SA/L2KCARD (not in Standard FD)        S= SORT/CARDDetail (used internally by DR/1132)  <b>STANDARD FD = F/DR/CREATECARD</b></b>	PREPARED BY: <b>SHERRY WILLADSON</b>

RECORD NAME:	RECORD SIZE:			RECORDS PER BLOCK:		
<b>SA-CARD-IN</b> (hardcode in SA/LOADL2K)	<b>648</b>			<b>35</b>		
FIELD NAME	START	LENGTH	CLASS (AN/N/A)	CODED FIELD	FORMAT	CONSTANT VALUE
Corrective Lens [FIELD NOT USED]	189	1	AN	[10]		SPACES
Restrictions [FIELD NOT USED]	190	242	AN	[10]		SPACES
Pull/Sort	432	1	N	[11]		1
Valid Without Photo	433	1	AN	[12]		N
PID - Blind indicator	434	1	AN	[13]		N
Dealer Business Name (Salvage Agent)	435	36	AN			
Dealer Number (Salvage Agent)	471	6	AN	[14]	A9999b	
Weight (Salvage Agent)	477	3	N	[15]		
Social Security Number (Employee ID) [FIELD NOT USED]	480	11	AN			SPACES
Title (Employee ID) [FIELD NOT USED]	491	30	AN			SPACES
Bureau/Department (Employee ID) [FIELD NOT USED]	521	30	AN			SPACES
Building (Employee ID) [FIELD NOT USED]	551	30	AN			SPACES
Institution (Employee ID) [FIELD NOT USED]	581	30	AN			SPACES
Issue Date (Employee ID) [FIELD NOT USED]	611	10	AN			SPACES
Expiration Date (Employee ID) [FIELD NOT USED]	621	10	AN			SPACES
Search Locator Info [FIELD NOT USED]	631	11	AN			SPACES
Julian Day [FIELD NOT USED]	(631)	(4)	AN			SPACES
Branch Number [FIELD NOT USED]	(635)	(3)	AN			SPACES
Sequence Number [FIELD NOT USED]	(638)	(4)	N			SPACES
FILLER	642	7	AN			SPACES

**FILE LAYOUT**

LAYOUT NUMBER: <b>DB072D</b>	DATE: <b>12/16/2003 (D. McCrumb/S. Jones)</b>	PAGE: <b>7 of 15</b>
FILE NAME: <b>Digitized Card Detail</b>	FILE TITLE: <b>A = PDF/DR/CARDDetail on PDFPACK        B = PDF/DR/GDLCARD on PDFPACK        C = PDF/SA/AGENTCARD on PDFPACK        D = SA/L2KCARD (not in Standard FD)        S= SORT/CARDDetail (used internally by DR/1132)  <b>STANDARD FD = F/DR/CREATECARD</b></b>	PREPARED BY: <b>SHERRY WILLADSON</b>

RECORD NAME: <b>SORT-CARD-DETAIL</b>	RECORD SIZE: <b>657</b>			RECORDS PER BLOCK: <b>35</b>		
FIELD NAME	START	LENGTH	CLASS (AN/N/A)	CODED FIELD	FORMAT	CONSTANT VALUE
Zip Code KEY	1	9	AN			
Zip KEY	(1)	(5)	AN			
Zip + 4 KEY	(6)	(4)	AN			
Card Type	10	1	AN	[1]		D, P, O, X
Format Code	11	2	AN	[2]		O, C, L, M, R, D, P, I, E, G
ID Number	13	17	AN	[3]		
Locator Info	30	11				
Julian Day <i>(printed on card)</i>	(30)	(4)	AN	[4]	A999	
Branch Number <i>(printed on card)</i>	(34)	(3)	AN	[4]	999 or "SVA"	
Sequence Number	(37)	(4)	N	[4]		
Name (FIRST MIDDLE LAST SUFFIX)	41	36	AN			
Birth Date	77	10	AN		MM-DD-YYYY	
Street	87	36	AN			
City	123	19	AN			
State	142	2	AN			
Zip Code	144	9	AN			
Zip	(144)	(5)	AN			
Zip + 4	(149)	(4)	AN			
Sex	153	1	AN			M or F or Blank
Height	154	3	N	[5]		
Weight (PID & Salvage Agent only)	157	3	N			
Eye color	160	3	AN	[6]		
Duplicate Indicator	163	1	AN	[4]		D or G or Blank
Expiration Date	164	10	AN		MM-DD-YYYY	
Under 21 Indicator	174	1	AN	[7]		Y or N
Under 21 Date	175	10	AN	[7]	MM-DD-YYYY	
License Type	185	1	AN	[8]		O or C or M
GDL Endorsement	186	1	AN	[8]		2 or Blank
CDL Group	187	1	AN	[8]		A or B or C or Blank

**FILE LAYOUT**

LAYOUT NUMBER: <b>DB072D</b>	DATE: <b>12/16/2003 (D. McCrumb/S. Jones)</b>	PAGE: <b>8 of 15</b>
FILE NAME: <b>Digitized Card Detail</b>	FILE TITLE: <b>A = PDF/DR/CARDDetail on PDFPACK        B = PDF/DR/GDLCARD on PDFPACK        C = PDF/SA/AGENTCARD on PDFPACK        D = SA/L2KCARD (not in Standard FD)        S = SORT/CARDDetail (used internally by DR/1132)  <b>STANDARD FD = F/DR/CREATECARD</b></b>	PREPARED BY: <b>SHERRY WILLADSON</b>

RECORD NAME: <b>SORT-CARD-DETAIL</b>	RECORD SIZE: <b>657</b>			RECORDS PER BLOCK: <b>35</b>		
FIELD NAME	START	LENGTH	CLASS (AN/N/A)	CODED FIELD	FORMAT	CONSTANT VALUE
Cycle endorsement	188	2	AN	[9]		CY or Blank
CDL endorsement	190	5	AN	[9]		H, N, P, S, T, X or Blank
MI endorsement	195	3	AN	[9]		F, R, FR or Blank
Corrective Lens	198	1	AN	[10]		Y or N
Restrictions	199	242	AN	[10]		
Pull/Sort	441	1	N	[11]		
Valid Without Photo	442	1	AN	[12]		Y or N
PID - Blind indicator	433	1	AN	[13]		Y or N
Dealer Business Name (Salvage Agent)	444	36	AN			
Dealer Number (Salvage Agent)	480	6	AN	[14]	A9999b	
Weight (Salvage Agent)	486	3	N	[15]		
Social Security Number (Employee ID)	489	11	AN		999b99b9999	
Title (Employee ID)	500	30	AN			
Bureau/Department (Employee ID)	530	30	AN			
Building (Employee ID)	560	30	AN			
Institution (Employee ID)	590	30	AN			
Issue Date (Employee ID)	620	10	AN		MM-DD-YYYY	
Expiration Date (Employee ID)	630	10	AN		MM-DD-YYYY	
Under18-Ind	640	1	AN	[7]		Y, N or Spaces
Under18-Date	641	10	AN	[7]	MM-DD-YYYY	
FILLER	651	7	AN			SPACES



**FILE LAYOUT**

LAYOUT NUMBER: <b>DB072D</b>	DATE: <b>12/16/2003 (D. McCrumb/S. Jones)</b>	PAGE: <b>9 of 15</b>
FILE NAME: <b>Digitized Card Detail</b>	FILE TITLE: <b>A = PDF/DR/CARDDetail on PDFPACK        B = PDF/DR/GDLCARD on PDFPACK        C = PDF/SA/AGENTCARD on PDFPACK        D = SA/L2KCARD (not in Standard FD)        S= SORT/CARDDetail (used internally by DR/1132)        STANDARD FD = F/DR/CREATECARD</b>	PREPARED BY: <b>SHERRY WILLADSON</b>

**NOTES:**

- **The field lengths in this file cannot be changed without interaction with Digimarc; nor can the definition of the uses or reuses of fields within this layout be changed without interaction with Digimarc.**
- This record layout is used to request card/licenses from Digimarc for Central Issue only. All card types can be requested: Driver License; PID, Salvage Agent, and other ID's when defined. Data in the locator info field (Julian Day and Branch Number; and duplicate indicator if present) is always used by Digimarc to print the info at the bottom of the card. If there is no image present for the locator information, Digimarc will use the most recent image available for that ID number. If there is no image stored for that ID number, Digimarc would return an error to MDOS. There is a risk that the image used may not be the one MDOS would want to use, so MDOS should always provide the proper locator info. The Locator Info field at the end of the record layout was intended for this purpose. However, MDOS does not have the capability to implement the search locator info at this time. Purge/Delete information is also passed to Digimarc; which allows MDOS to purge images shortly after the quarterly purge process purges them. This record layout is also used to sort the CARDDetail by ID-NUMBER and LOCATOR-INFO for processing.
- All fields are defined as being UPPER CASE only. **"Restrictions field"** is the only field that will be passed with upper case and lower case characters.
- Photos became DIGITAL in 1998 when Polaroid (now Digimarc) became the provider of licenses/cards. Digital processing was phased in from April 1998 through June 1998 at branch offices. Effective July 1, 1998, all photo processing was digital. If a record is returned for "no photo on system" check the photo date to see if it was prior to July 1, 1998.
- Polaroid's name changed to Digimarc in 2001. Digimarc purchased Polaroid, which was a transparent transaction to MDOS – nothing changed.

[1] **Card Type**

- D = Driver (Chauffeur, GDL, CDL, Moped, Operator & Restricted Licenses)
- P = PID (PID Card)
- O = Other (Salvage Agent Card, MDOS ID Card, and other)
- X = Delete Image *(This value is currently being tested by MDOS. If and when it is used, the following rules will apply: If Locator Info fields are blank, delete all images for this ID Number. If Locator Info is present, delete only that image for that ID Number.)*

Card Type D will have Format Codes of C, G, L, M, O, R  
 Card Type P will have Format Code of P  
 Card Type O will have Format Codes of D, E, I

**FILE LAYOUT**

LAYOUT NUMBER: <b>DB072D</b>	DATE: <b>12/16/2003 (D. McCrumb/S. Jones)</b>	PAGE: <b>10 of 15</b>
FILE NAME: <b>Digitized Card Detail</b>	FILE TITLE: <b>A = PDF/DR/CARDDetail on PDFPACK        B = PDF/DR/GDLCARD on PDFPACK        C = PDF/SA/AGENTCARD on PDFPACK        D = SA/L2KCARD (not in Standard FD)        S=SORT/CARDDetail (used internally by DR/1132)        STANDARD FD = F/DR/CREATECARD</b>	PREPARED BY: <b>SHERRY WILLADSON</b>

[2] **Format Code**

- C = Chauffeur License
- D = Salvage Agent Card
- E = Other Cards *(This value is not currently defined, nor used by MDOS.)*
- G = Graduated Driver License (GDL) – Level 2
- I = Michigan Department of State (MDOS) Identification Card
- L = Commercial Driver License (CDL)
- M = Moped License
- O = Operator License
- P = Personal Identification (PID) Card
- R = Restricted License *(This value is not currently used by MDOS.)*

[3] **ID Number Formats** (b indicates a blank space)

Driver License Number (DLN)	Passed value: X123456789012	Printed as: Xb999b999b999b999
PID	Passed value: X1234567890	Printed as: Xb999b999b999b9
Salvage Agent	Passed value: S12345	Printed as: S99999
Other Cards	<i>(This format is not currently defined, nor used by MDOS. If, and, when it is defined/used, the following rules apply: Limited to 17 characters total and number must be unique from the other 3 formats already defined. If this number will be on mag strip, be aware of mag strip limitations and AAMVA format rules.)</i>	

[4] **Card Creation Info (Locator Info/Duplicate Indicator)**

- **Locator Info:** The actual license/card will have Alpha Year with Julian Day (A999), Branch Number or "SVA" (if salvage agent card came from MDOS/BLRS L2K system) printed on it. EXAMPLES: A123999 or A123SVA.
  - File (SA/L2KCARD) coming from L2K server, has the Julian Day as MMDD; SA/LOADL2K changes this to current Julian Day. Branch Number is sent as "SVA" which indicates the card is coming from MDOS-BLRS Licensing Section, rather than from Branch Office. SA/LOADL2K also starts sequence number counting at 1.
- **Locator Info:** Locator Info fields (Julian Day, Branch Number or "SVA", and Sequence Number) are also used when a problem occurs with the printing of the licenses/cards. The Sequence Number is used as a counter field and must be unique.
- **Duplicate Indicator:** After locator info, if License or Id is a duplicate, the License/Id will display a "D". If an auto-issue GDL3 License, License will display a "G". EXAMPLE: A123XXXD or A123XXXG
  - D = Duplicate Card (all Duplicate cards – "D"uplicate overrides a "G"DL3)
  - G = GDL auto-issue Level3 Cards
  - " " = all non-Duplicate, non-GDL3 Cards

**FILE LAYOUT**

LAYOUT NUMBER: <b>DB072D</b>	DATE: <b>12/16/2003 (D. McCrumb/S. Jones)</b>	PAGE: <b>11 of 15</b>
FILE NAME: <b>Digitized Card Detail</b>	FILE TITLE: <b>A = PDF/DR/CARDDetail on PDFPACK        B = PDF/DR/GDLCARD on PDFPACK        C = PDF/SA/AGENTCARD on PDFPACK        D = SA/L2KCARD (not in Standard FD)        S= SORT/CARDDetail (used internally by DR/1132)  <b>STANDARD FD = F/DR/CREATECARD</b></b>	PREPARED BY: <b>SHERRY WILLADSON</b>

[5] **Height**

Height is converted to the proper format by DR/1132 (**except for salvage agent cards—these are already in correct feet & inches format**). Height is provided in inches by DR/1125. DR/1132 converts to **feet and inches**. EXAMPLE: 064 (64") is converted to 504 (5'4").

[6] **Eye Color**

Eye Color is converted to the proper format by DR/1132 (**except for salvage agent cards—these are already in correct 3-character format**). Eye color is provided as a numeric code by DR/1125. DR/1132 converts to 3 characters. EXAMPLE: 02 is converted to BLU. Code and descriptions listed below.

- 00 = UNK          Unknown, no eye color, or maroon
- 01 = BLK          Black
- 02 = BLU          Blue
- 03 = BRO          Brown
- 04 = GRN          Green
- 05 = GRY          Gray
- 06 = HAZ          Hazel
- 07 = UNK          Maroon
- 08 = DIC          Dichromatic (Multicolor)
- 09 = PNK          Pink

[7] **Under 21 and Under 18 Information**

- These fields **Under 21/18 Indicator and Under 21/18 Date** are used to determine whether a statement needs to be printed on the license/card stating such. The **Under 21/18 Date** (if filled) would show the day (MM-DD-YYYY) the person would be turning 21/18. **08/01/03** – DigiMarc is now dependent on the Under21-Ind to determine which style/format card to produce. Every Under21 (more than 8 days from turning 21), request will result in a Vertically formatted card. Every Over21 (less than 9 days from turning 21 and beyond), will result in a Horizontally formatted card – **regardless of the expiration date**.
- When **Under 21/18 Indicator** is "Y" and **Under 21/18 Date** contains data; the following statement will be printed on the license "Under 21/18 until MM-DD-YYYY"
- If **Under 21/18 Indicator** is "Y" and **Under 21/18 Date** is blank; ~~the following "Under 21". This will be printed on those cards/licenses where the person will not be 21 when the card expires (i.e., PID for 5-year old). This may also be used for minor restricted licenses in the future—currently minor restricted do not receive a card/license.~~ **08/01/03** New rule now applies with the implementation of Vertical – Under21/18 date and verbiage will **always** be printed when Under21/18 Ind is "Y" (as noted in comments above). An Indicator = "Y" with a blank date, **should not** happen. This condition should error out before getting this far.

**FILE LAYOUT**

LAYOUT NUMBER: <b>DB072D</b>	DATE: <b>12/16/2003 (D. McCrumb/S. Jones)</b>	PAGE: <b>12 of 15</b>
FILE NAME: <b>Digitized Card Detail</b>	FILE TITLE: <b>A = PDF/DR/CARDDetail on PDFPACK B = PDF/DR/GDLCARD on PDFPACK C = PDF/SA/AGENTCARD on PDFPACK D = SA/L2KCARD (not in Standard FD) S=SORT/CARDDetail (used internally by DR/1132) STANDARD FD = F/DR/CREATECARD</b>	PREPARED BY: <b>SHERRY WILLADSON</b>

[8] **License Type Fields**

License Type, GDL Endorsement (if present) and CDL Group ID (if present) are all strung together on printed License, with no separators.

EXAMPLES: (printed on licenses only - under **Type** on DLs, next to **Lic Type** on GDL2s)

- O2B (Operator, GDL Endorsement, CDL Group B)
- CA (Chauffeur, CDL Group A)

- **License Type**

O = Operator  
C = Chauffeur  
M = Moped

- **GDL Endorsement**

2 = GDL Endorsement  
" " = None

- **CDL Group ID**

A = CDL Group A (Endorsements: None, H, N, P, T, HN, HP, HT, NP, NT, PT, HNP, HNT, HPT, NPT, and HNPT)  
B = CDL Group B (Endorsements: None, H, N, P, HN, HP, NP, and HNP)  
C = CDL Group C (Endorsements: H, N, P, HN, HP, NP, and HNP)  
" " = None

\*\*\* {12/03 – Pending "S" Endorsement Group assignments TBD}\*\*\*

**FILE LAYOUT**

LAYOUT NUMBER: <b>DB072D</b>	DATE: <b>12/16/2003 (D. McCrumb/S. Jones)</b>	PAGE: <b>13 of 15</b>
FILE NAME: <b>Digitized Card Detail</b>	FILE TITLE: <b>A = PDF/DR/CARDDetail on PDFPACK        B = PDF/DR/GDLCARD on PDFPACK        C = PDF/SA/AGENTCARD on PDFPACK        D = SA/L2KCARD (not in Standard FD)        S = SORT/CARDDetail (used internally by DR/1132)        STANDARD FD = F/DR/CREATECARD</b>	PREPARED BY: <b>SHERRY WILLADSON</b>

[9] **Endorsement Fields on DLN**

When Endorsements are present, Cycle, CDL (up to 5) & MI (up to 2) endorsements are all strung together on printed License, with comma as separator between endorsements. If all fields have data, endorsements will be printed in following order: Cycle, CDL, MI. If all endorsement fields are blank, "NONE" is printed on license.

EXAMPLES:

- CY,PSTX,FR (Cycle Endorsement, All CDL Endorsements, & Farm and Recreational Endorsements)
- HT,F (CDL Endorsements H & T and Farm Endorsement)
- R (Recreational Endorsement)
- NONE (No Cy Endorsement, No CDL Endorsements, No Farm Endorsements)

- **Cycle Endorsement**

CY = Cycle Endorsement  
 " " = No Cycle Endorsement

- **CDL Endorsement**

H = Hazardous Cargo Endorsement  
 N = Tank Endorsement  
 P = Passenger Endorsement  
 S = School Bus Endorsement {12/03 – pending implementation}  
 T = Double/Triple Tanker Endorsement  
 X = Hazardous Cargo & Tank Endorsement (Both H & N Endorsements = X)  
 " " = No CDL Endorsement(s)

- **MI Endorsement**

F = Farm  
 R = Recreational  
 FR = Farm & Recreational  
 " " = No Michigan Endorsement(s)

**FILE LAYOUT**

LAYOUT NUMBER: <b>DB072D</b>	DATE: <b>12/16/2003 (D. McCrumb/S. Jones)</b>	PAGE: <b>14 of 15</b>
FILE NAME: <b>Digitized Card Detail</b>	FILE TITLE: <b>A = PDF/DR/CARDDetail on PDFPACK        B = PDF/DR/GDLCARD on PDFPACK        C = PDF/SA/AGENTCARD on PDFPACK        D = SA/L2KCARD (not in Standard FD)        S=SORT/CARDDetail (used internally by DR/1132)        STANDARD FD = F/DR/CREATECARD</b>	PREPARED BY: <b>SHERRY WILLADSON</b>

[10] **Restrictions Fields**

The Restriction Field contains both upper & lower case information. Restrictions within this field are separated by a comma then a blank space. Digimarc will line break on a blank space. "Corrective Lens" will always print as the first restriction (if present). The only other restrictions printed on a license are: "Emancipated Minor" and the CDL Restrictions listed below. All other restrictions are sent as "Verify restrictions on record."

- **Corrective Lens**

Y = Yes  
 N = No

- **Possible Restrictions Printed on a License**

Corrective Lens	Corrective Lens field = "Y"
NONE	Corrective Lens field = "N" and Restrictions field is blank
Emancipated Minor	Code = 27
CDL not valid with air brakes	Code = 28
CDL-P valid in Group B or C vehicle only	Code = 29
CDL-P valid in Group C vehicle only	Code = 30
No single vehicle/power unit over 26K GVWR	Code = 35 ***
No GCWR over 26K if towed vehicle is over 10K GVWR	Code = 36 ***
CDL restrictions—See MDR	Code = 37
Seasonal Restricted CDL	Code = 38
Verify restrictions on record	All other valid restriction codes

\*\*\* Codes 35 and 36 will be eliminated by 2006. We stopped renewing these codes as of 10/03\*\*\*

Corrective Lens = Y	Restrictions = blank	Printed = Corrective Lens
Corrective Lens = Y	Restrictions = non-blank	Printed = Corrective Lens, Restriction (1), Rest.(n)
Corrective Lens = N	Restrictions = blank	Printed = NONE
Corrective Lens = N	Restrictions = non-blank	Printed = Restriction (1), Restriction (2), Rest.(n)

[11] **Pull/Sort**

0 = No pull  
 1 = Pull Slot 1 (Enforcement Pulls) [Ex: Salvage Agent Cards should ALWAYS be a 1]  
 2 = Pull Slot 2 (BDVR Overrides, CDL, etc.)

\*If card type = "P" (PID) and pull-sort-field = zero, Digimarc sorts these out for DMB mailing purposes.

**FILE LAYOUT**

LAYOUT NUMBER: <b>DB072D</b>	DATE: <b>12/16/2003 (D. McCrumb/S. Jones)</b>	PAGE: <b>15 of 15</b>
FILE NAME: <b>Digitized Card Detail</b>	FILE TITLE: <b>A = PDF/DR/CARDDetail on PDFPACK        B = PDF/DR/GDLCARD on PDFPACK        C= PDF/SA/AGENTCARD on PDFPACK        D= SA/L2KCARD (not in Standard FD)        S=SORT/CARDDetail (used internally by DR/1132)  <b>STANDARD FD = F/DR/CREATECARD</b></b>	PREPARED BY: <b>SHERRY WILLADSON</b>

[12] **Valid Without Photo**

- Y = Card printed with red letters (on white background) "Valid without Photo" in picture area (used by Branch 298 only – mostly for the military).
- N = all other licenses (BOS defaults to "N")

[13] **PID – Blind Indicator**

- Y = Card/license printed with "Legally Blind" in lower right hand portion of card
- N = Nothing printed on card/license

[14] **Dealer Business NUMBER**

This field must be filled on all Salvage Agent cards/licenses. A Salvage Agent cannot be in business without an employing dealer. Format is A9999b (with "b" indicating a blank, which was originally included in this field so that supplemental lot designator could be added here).

**NOTE:** MDOS-BLRS expanded the dealer number to 7 characters in late 2002 when they implemented their License 2000 (L2K) licensing software. However, until the scope of this project has been defined, L2K system is providing 5 character dealer numbers for mainframe processing. IF AND WHEN L2K LONG TERM IS IMPLEMENTED, THIS FIELD WILL NEED TO BE INCREASED TO ACCOMMODATE 7 CHARACTERS.

[15] **Weight**

Salvage Agent weight appears twice in this layout: position 148 and position 477.

[16] **Search Locator Info – this field was removed with the Vertical DL project – July 2003**

~~This field is NOT currently being used—MDOS has no means to implement the use of this field. (If and when it is used by MDOS, it will only be used when creating duplicates. If information is present in this field, Digimarc will use the image stored in this field to create a new card, which will have the locator information from Position 21 printed on the license/card.)~~