RECORD FORMAT

Record format: CSX677

Num	Field name	Field type	Length	Start	End	Attributes
1	NCS Header	Reserved	40	1	40	
2	Easy Pay Barcode	Numeric	14	41	54	Display
3	Barcode	Numeric	12	55	66	Display
4	SA ID	Numeric	13	67	79	
5	Foreign ID No.	Alphanumeric	15	80	94	
6	Gender	Alphanumeric	1	95	95	
7	Citizenship	Alphanumeric	1	96	96	
8	Home Lang	Alphanumeric	2	97	98	
9	Classification	Alphanumeric	1	99	99	
10	Contact No.	Alphanumeric	10	100	109	
11	Province you live	Alphanumeric	2	110	111	
12	Date of Test	Alphanumeric	8	112	119	
13	Home	Alphanumeric	1	120	120	
14	Home Info	Alphanumeric	5	121	125	
15	Test Venue12	Alphanumeric	1	126	126	
16	Test Venue13	Alphanumeric	1	127	127	
17	Test Venue14	Alphanumeric	1	128	128	
18	Test Venue15	Alphanumeric	1	129	129	
19	Shool Info16	Alphanumeric	8	130	137	
20	Shool Info17	Alphanumeric	8	138	145	
21	Name of School	Alphanumeric	44	146	189	
22	Complete Gr-12	Alphanumeric	4	190	193	
23	Postal Code	Alphanumeric	4	194	197	
24	School in ?	Alphanumeric	2	198	199	
25	Gr-12 Medium	Alphanumeric	1	200	200	
26	School	Alphanumeric	1	201	201	
27	Faculty123	Alphanumeric	3	202	204	
28	Rec End	Alphanumeric	1	205	205	
29	CR/LF	Reserved	2	206	207	System filler: 0 bytes

TRANSLATE TABLES

Tables 1 through 10 are reserved for system defined translations.

Table 11: Barcode 1	Length: 2	Flags: 0
Omit:	< >	
Multiple:	<* >	
1:	<1 >	
2:	<2 >	
3:	<3 >	
4:	<4 >	
5:	<5 >	
6:	<6 >	
7:	<7 >	
8:	<8 >	
9:	<9 >	
10:	<10>	
11:	<11>	

Table 12: Barcode 2	Length: 2	Flags: 0
Omit:	< >	
Multiple:	<* >	
1:	<1 >	
2:	<2 >	
3:	<3 >	
4:	<4 >	
5:	<5 >	
6:	<6 >	
7:	<7 >	
8:	<8 >	
9:	<9 >	
10:	<10>	

Table 13: AQL Test   Length: 1   Flags: 0

Omit:	< >	
Multiple:	<*>	
1:	<E>	
2:	<A>	

Table 14: AQL Code   Length: 2   Flags: 0

Omit:	< >
Multiple:	<* >
1:	<10>
2:	<11>
3:	<12>
4:	<13>
5:	<14>
6:	<15>
7:	<16>
8:	<17>
9:	<18>
10:	<19>
11:	<20>
12:	<21>
13:	<22>
14:	<23>
15:	<24>
16:	<25>
17:	<26>
18:	<27>
19:	<28>
20:	<29>
21:	<30>
22:	<31>
23:	<32>
24:	<33>
25:	<34>
26:	<35>
27:	<36>
28:	<37>
29:	<38>
30:	<39>
31:	<40>
32:	<41>
33:	<42>
34:	<43>
35:	<44>
36:	<45>
37:	<46>
38:	<47>
39:	<48>
40:	<49>
41:	<50>
42:	<51>
43:	<52>
44:	<53>
45:	<54>
46:	<55>
47:	<56>
48:	<57>
49:	<58>
50:	<59>
51:	<60>
52:	<61>
53:	<62>
54:	<63>
55:	<64>
56:	<65>
57:	<66>
58:	<67>

```
59:                        <68>
60:                        <69>
61:                        <70>
62:                        <71>
63:                        <72>
64:                        <73>
65:                        <74>
66:                        <75>
67:                        <76>
68:                        <77>
69:                        <78>
70:                        <79>
71:                        <80>
72:                        <81>
73:                        <82>
74:                        <83>
75:                        <84>
76:                        <85>
77:                        <86>
78:                        <87>
```

Table 15: Math Test   Length: 1   Flags: 0
```
Omit:                      < >
Multiple:                  <*>
1:                         <E>
2:                         <A>
```

Table 16: Matcode   Length: 3   Flags: 0
```
Omit:                      <   >
Multiple:                  <*  >
1:                         <31 >
2:                         <32 >
3:                         <33 >
4:                         <34 >
5:                         <35 >
6:                         <36 >
7:                         <37 >
8:                         <38 >
9:                         <39 >
10:                        <40 >
11:                        <41 >
12:                        <42 >
13:                        <43 >
14:                        <44 >
15:                        <45 >
16:                        <46 >
17:                        <47 >
18:                        <48 >
19:                        <49 >
20:                        <50 >
21:                        <51 >
22:                        <52 >
23:                        <53 >
24:                        <54 >
25:                        <55 >
26:                        <56 >
27:                        <57 >
28:                        <58 >
29:                        <59 >
30:                        <60 >
31:                        <61 >
32:                        <62 >
33:                        <63 >
34:                        <64 >
35:                        <65 >
36:                        <66 >
37:                        <67 >
```

```
38:                              <68 >
39:                              <69 >
40:                              <70 >
41:                              <71 >
42:                              <72 >
43:                              <73 >
44:                              <74 >
45:                              <75 >
46:                              <76 >
47:                              <77 >
48:                              <78 >
49:                              <79 >
50:                              <80 >
51:                              <81 >
52:                              <82 >
53:                              <83 >
54:                              <84 >
55:                              <85 >
56:                              <86 >
57:                              <87 >
58:                              <88 >
59:                              <89 >
60:                              <90 >
61:                              <91 >
62:                              <92 >
63:                              <93 >
64:                              <94 >
65:                              <95 >
66:                              <96 >
67:                              <97 >
68:                              <98 >
69:                              <99 >
70:                              <100>
71:                              <101>
72:                              <102>
73:                              <103>
74:                              <104>
75:                              <105>
76:                              <106>
77:                              <107>
78:                              <108>
```

Table 17: Surname   Length: 1   Flags: 0

```
Omit:                            < >
Multiple:                        <*>
1:                               <->
2:                               <A>
3:                               <B>
4:                               <C>
5:                               <D>
6:                               <E>
7:                               <F>
8:                               <G>
9:                               <H>
10:                              <I>
11:                              <J>
12:                              <K>
13:                              <L>
14:                              <M>
15:                              <N>
16:                              <O>
17:                              <P>
18:                              <Q>
19:                              <R>
20:                              <S>
21:                              <T>
```

22:	\<U\>	
23:	\<V\>	
24:	\<W\>	
25:	\<X\>	
26:	\<Y\>	
27:	\<Z\>	

Table 18: ID TYPE   Length: 1   Flags: 0
- Omit: \< \>
- Multiple: \<*\>
- 1: \<S\>
- 2: \<F\>

Table 19: Gender   Length: 1   Flags: 0
- Omit: \< \>
- Multiple: \<*\>
- 1: \<M\>
- 2: \<V\>

Table 20: Citizenship   Length: 1   Flags: 0
- Omit: \< \>
- Multiple: \<*\>
- 1: \<1\>
- 2: \<2\>
- 3: \<3\>
- 4: \<4\>

Table 21: Health Scie App   Length: 1   Flags: 0
- Omit: \< \>
- Multiple: \<*\>
- 1: \<Y\>
- 2: \<N\>

Table 22: 1   Length: 1   Flags: 0
- Omit: \< \>
- Multiple: \<*\>
- 1: \<1\>

Table 23: 9   Length: 1   Flags: 0
- Omit: \< \>
- Multiple: \<*\>
- 1: \<9\>

Table 24: 2   Length: 1   Flags: 0
- Omit: \< \>
- Multiple: \<*\>
- 1: \<2\>

Table 25:   Length: 1   Flags: 0
- Omit: \< \>
- Multiple: \<*\>
- 1: \<0\>

Table 26: Home Lang   Length: 2   Flags: 0
- Omit: \< \>
- Multiple: \<* \>
- 1: \<01\>
- 2: \<02\>
- 3: \<03\>
- 4: \<04\>
- 5: \<05\>
- 6: \<06\>
- 7: \<07\>
- 8: \<08\>
- 9: \<09\>
- 10: \<10\>
- 11: \<11\>
- 12: \<12\>

Table 27: School Lang   Length: 1   Flags: 0
- Omit: \< \>
- Multiple: \<*\>
- 1: \<A\>
- 2: \<E\>
- 3: \<O\>

Table 28: Classification	Length: 1	Flags: 0
Omit:	< >	
Multiple:	<*>	
1:	<S>	
2:	<K>	
3:	<I>	
4:	<W>	
5:	<A>	

Table 29: Literal	Length: 1	Flags: 0
<Z>		

Table 30: 1ST	Length: 2	Flags: 0
Omit:	< >	
Multiple:	<* >	
1:	<A1>	
2:	<B1>	
3:	<C1>	
4:	<D1>	
5:	<E1>	
6:	<Y1>	
7:	<F1>	
8:	<G1>	
9:	<H1>	
10:	<I1>	
11:	<J1>	
12:	<K1>	

Table 31: 2ND	Length: 2	Flags: 0
Omit:	< >	
Multiple:	<* >	
1:	<A2>	
2:	<B2>	
3:	<C2>	
4:	<D2>	
5:	<E2>	
6:	<Y2>	
7:	<F2>	
8:	<G2>	
9:	<H2>	
10:	<I2>	
11:	<J2>	
12:	<K2>	

Table 32: 3RD	Length: 2	Flags: 0
Omit:	< >	
Multiple:	<* >	
1:	<A3>	
2:	<B3>	
3:	<C3>	
4:	<D3>	
5:	<E3>	
6:	<Y3>	
7:	<F3>	
8:	<G3>	
9:	<H3>	
10:	<I3>	
11:	<J3>	
12:	<K3>	

Table 33: A1	Length: 2	Flags: 0
Omit:	< >	
Multiple:	<* >	
1:	<A1>	

Table 34: B1	Length: 2	Flags: 0
Omit:	< >	
Multiple:	<* >	
1:	<B1>	

Table 35: C1	Length: 2	Flags: 0
Omit:	< >	

	Multiple:	<* >	
	1:	<C1>	
Table 36: D1		Length: 2	Flags: 0
	Omit:	< >	
	Multiple:	<* >	
	1:	<D1>	
Table 37: E1		Length: 2	Flags: 0
	Omit:	< >	
	Multiple:	<* >	
	1:	<E1>	
Table 38: Y1		Length: 2	Flags: 0
	Omit:	< >	
	Multiple:	<* >	
	1:	<Y1>	
Table 39: F1		Length: 2	Flags: 0
	Omit:	< >	
	Multiple:	<* >	
	1:	<F1>	
Table 40: G1		Length: 2	Flags: 0
	Omit:	< >	
	Multiple:	<* >	
	1:	<G1>	
Table 41: H1		Length: 2	Flags: 0
	Omit:	< >	
	Multiple:	<* >	
	1:	<H1>	
Table 42: I1		Length: 2	Flags: 0
	Omit:	< >	
	Multiple:	<* >	
	1:	<I1>	
Table 43: J1		Length: 2	Flags: 0
	Omit:	< >	
	Multiple:	<* >	
	1:	<J1>	
Table 44: K1		Length: 2	Flags: 0
	Omit:	< >	
	Multiple:	<* >	
	1:	<K1>	
Table 45: A2		Length: 2	Flags: 0
	Omit:	< >	
	Multiple:	<* >	
	1:	<A2>	
Table 46: B2		Length: 2	Flags: 0
	Omit:	< >	
	Multiple:	<* >	
	1:	<B2>	
Table 47: C2		Length: 2	Flags: 0
	Omit:	< >	
	Multiple:	<* >	
	1:	<C2>	
Table 48: D2		Length: 2	Flags: 0
	Omit:	< >	
	Multiple:	<* >	
	1:	<D2>	
Table 49: E2		Length: 2	Flags: 0
	Omit:	< >	
	Multiple:	<* >	
	1:	<E2>	
Table 50: Y2		Length: 2	Flags: 0
	Omit:	< >	
	Multiple:	<* >	
	1:	<Y2>	
Table 51: F2		Length: 2	Flags: 0
	Omit:	< >	

Multiple:	<* >		
1:	<F2>		
Table 52: G2	Length: 2	Flags: 0	
Omit:	< >		
Multiple:	<* >		
1:	<G2>		
Table 53: H2	Length: 2	Flags: 0	
Omit:	< >		
Multiple:	<* >		
1:	<H2>		
Table 54: I2	Length: 2	Flags: 0	
Omit:	< >		
Multiple:	<* >		
1:	<I2>		
Table 55: J2	Length: 2	Flags: 0	
Omit:	< >		
Multiple:	<* >		
1:	<J2>		
Table 56: K2	Length: 2	Flags: 0	
Omit:	< >		
Multiple:	<* >		
1:	<K2>		
Table 57: A3	Length: 2	Flags: 0	
Omit:	< >		
Multiple:	<* >		
1:	<A3>		
Table 58: B3	Length: 2	Flags: 0	
Omit:	< >		
Multiple:	<* >		
1:	<B3>		
Table 59: C3	Length: 2	Flags: 0	
Omit:	< >		
Multiple:	<* >		
1:	<C3>		
Table 60: D3	Length: 2	Flags: 0	
Omit:	< >		
Multiple:	<* >		
1:	<D3>		
Table 61: E3	Length: 2	Flags: 0	
Omit:	< >		
Multiple:	<* >		
1:	<E3>		
Table 62: Y3	Length: 2	Flags: 0	
Omit:	< >		
Multiple:	<* >		
1:	<Y3>		
Table 63: F3	Length: 2	Flags: 0	
Omit:	< >		
Multiple:	<* >		
1:	<F3>		
Table 64: G3	Length: 2	Flags: 0	
Omit:	< >		
Multiple:	<* >		
1:	<G3>		
Table 65: H3	Length: 2	Flags: 0	
Omit:	< >		
Multiple:	<* >		
1:	<H3>		
Table 66: I3	Length: 2	Flags: 0	
Omit:	< >		
Multiple:	<* >		
1:	<I3>		
Table 67: J3	Length: 2	Flags: 0	
Omit:	< >		

	Multiple:	<* >
	1:	<J3>
Table 68: K3	Length: 2	Flags: 0
	Omit:	< >
	Multiple:	<* >
	1:	<K3>
Table 69: 1st Choice	Length: 1	Flags: 0
	Omit:	< >
	Multiple:	<*>
	1:	<A>
	2:	<B>
	3:	<C>
	4:	<D>
	5:	<E>
	6:	<Y>
	7:	<F>
	8:	<G>
	9:	<H>
	10:	<I>
	11:	<J>
	12:	<K>
Table 70: 2nd Choice	Length: 1	Flags: 0
	Omit:	< >
	Multiple:	<*>
	1:	<A>
	2:	<B>
	3:	<C>
	4:	<D>
	5:	<E>
	6:	<Y>
	7:	<F>
	8:	<G>
	9:	<H>
	10:	<I>
	11:	<J>
	12:	<K>
Table 71: 3rd Choice	Length: 1	Flags: 0
	Omit:	< >
	Multiple:	<*>
	1:	<A>
	2:	<B>
	3:	<C>
	4:	<D>
	5:	<E>
	6:	<Y>
	7:	<F>
	8:	<G>
	9:	<H>
	10:	<I>
	11:	<J>
	12:	<K>
Table 72: y/n	Length: 1	Flags: 0
	Omit:	< >
	Multiple:	<*>
	1:	<Y>
	2:	<N>
Table 73: hOME	Length: 1	Flags: 0
	Omit:	< >
	Multiple:	<*>
	1:	<P>
	2:	<S>
	3:	<I>
	4:	<T>
Table 74: GR12	Length: 1	Flags: 0
	Omit:	< >

Multiple: <*>
1:                                 <A>
2:                                 <E>
3:                                 <O>

DOCUMENT SEQUENCE

There is no sequence information for this application

APPLICATION SETTINGS

Application Wide Settings:
    User extension specification: None
      Application Base:
      Assemblies:
      Private Bin Path:
    Inverted transport printing: No
    Limit Bitone Dynamic Threshold: No
    Scan Resolution: 240x120
    OMR Light Source: Infrared (pencil read)
    Clipping light Source: 8-Bit Grayscale (non-drop)
    SIDIF Compression: Medium Compression
    Back Side Image Processing: Enabled
    Read cell spacing: .166 OMR From Image
    ScanFlex: Enabled
      Minimum Grayboxes: Enabled
      Timing Mark Height/Width Checking: Enabled
      Timing Mark Skew Check and Repair: Enabled
    OMR/Merge Horizontal Adjustment:
      Form ID Adjust Timing Mark 1:   Disabled
      Form ID Adjust Timing Mark End: Disabled
    Excessive Thickness Allowance Window: 4 Inch
    NCS Header Translation Sentinel: |
    Form ID Matching: Normal

Scanning Read Characteristics
    Application read level control: Keyword

    Bubble read controls:
      Mark threshold: Normal
      Discrimination margin: Medium
      Discrimination cutoff: 10
      Form ID / litho threshold: 8

    Check mark read controls:
      Mark threshold: Normal
      Discrimination margin: Medium
      Discrimination cutoff: 10

    Tick mark read controls:
      Mark threshold: Normal
      Discrimination margin: Medium
      Discrimination cutoff: 10

Advanced Application Settings:
    Image Quality Sentry Settings:
      Streak Protection: 40%
      Overall Protection: 50%
      Skip Timing Track: Yes

    Perform OMR Dark Check: No

DEFAULT APPLICATION CONTEXT

Initial Context Files
    Data file:
    Edit profile:
    Score profile:
    Conversion profile:

Scanning Options

Data file:	*** current file bar selection *** (Append)
Edit profile:	*** current file bar selection ***
Score profile:	*** current file bar selection ***
Conversion profile:	*** current file bar selection ***
Conversion output:	*** default *** (Append)
Starting serial number:	1
Batch number:	1
Run number:	1
Batch date:	*** current date ***
Print position:	1
Print options:	Serial
Stop on litho errors:	Yes
Stop on thickness errors:	Yes
Stop on system errors:	Yes
Scan-time edit correction:	Yes
Render images flagged for archive:	Yes
Clean archive folders before scanning:	Yes
Offset edit printing:	No

    Tick mark read controls:

Mark threshold:	Normal
Discrimination margin:	Medium

    Check mark read controls:

Mark threshold:	Normal
Discrimination margin:	Medium

    Bubble read controls:

Mark threshold:	Normal
Discrimination margin:	Medium

Edit Options

Data file:	*** current file bar selection ***
Edit profile:	*** current file bar selection ***
Edit mode:	Edit normally

Conversion Options

Data file:	*** current file bar selection ***
Conversion profile:	*** current file bar selection ***
Conversion output:	*** default *** (Append)

Application Totals

Number of documents:	1
Total number of sheets:	1
Total number of grids:	59
Number of sequence descriptors:	0
Number of record formats:	1
Total number of fields:	29
Number of translate tables:	73
Total size of application (bytes):	27958