```
// Each line in Hy-Tek is 130 characters long with the last 2 being a checksum.
// The first 2 characters of each line describe the format for the rest of the
// the line.  The "A1" code is important as it provides information about the
// type of file.
//
// A107...
// \/\/\__...
// | | |         The A1 line also provides information about when the file was
// | | |         generated, the Hy-Tek version, who the software is register to.
// | | |
// | | |
// | +--File type (02 = Meet Entries)
// |              (07 = Results From MM to TM)
// +----Line code (A1 = File Descriptor)
//               (B1 = Meet Information)
//               (B2 = Meet Address)
//               (B3 = Meet Contact)
//               (C1 = Swim Team Name Information)
//               (C2 = Swim Team Address Information)
//               (C3 = Swim Team Contact Information)
//               (D1 = Swimmer Information)
//               (D2 = Swimmer Information)  Used for address and contact information phone nubmers, etc...
//               (D3 = Swimmer Information)
//               (D4 = Swimmer Information)
//               (D5 = Swimmer Information)
//               (E1 = Individual Event Entry Information)
//               (E2 = Individual Event Results)
//               (F1 = Relay Event Entry Information)
//               (F2 = Relay Event Results)
//               (G  = Split Times)
//               (H1 = DQ Description)
//
//
```

```
//****************************************************************************************************************************
// Meet Information
//
//                                                                          1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 11
//            1 1 1 1 1 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5 6 6 6 6 6 7 7 7 7 7 8 8 8 8 8 9 9 9 9 9 0 0 0 0 0 1 1 1 1 1 2 2 2 2 22
// 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 89
// |         |         |         |         |         |         |         |         |         |         |         |
// B1MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFDDDDDDDDDDDDDDDDDDDDDDDDDEEEEE        NN
//  _____/_____/_____/_____/_____/\___/???????\/
//                Meet Name [45]                            Meet Facility [45]                      |      |      |      |      Checksum
//                                                                                                  |      |      |      +-- Elevation [5]
//                                                                                                  |      |      +-- Age Up Date [8]
//                                                                                                  |      +-- Meet End [8]
//                                                                                                  +-- Meet Start [8]
//
//   [  0:1  ]  Line ID - Must be B1
//   [  2:46 ]  Meet Name
//   [ 47:91 ]  Meet Factility
//   [ 92:99 ]  Meet Start Date (MMDDYYYY)
//   [100:107]  Meet End Date (MMDDYYYY)
//   [108:115]  Age Up Date (MMDDYYYY)
//   [116:120]  Elevation
//   [128:129]  Checksum
//
//
```

```
//********************************************************************************************************************
// Meet Information
//
//                                                                            1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 11
//             1 1 1 1 1 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5 6 6 6 6 6 7 7 7 7 7 8 8 8 8 8 9 9 9 9 9 0 0 0 0 0 1 1 1 1 1 2 2 2 2 22
// 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 89
// |         |         |         |         |         |         |         |         |         |         |         |         |
// B2??????????????????????????????????????????????????????????????????????????????????????????????????DDTTC???????C?????????????????????NN
//    _____/\/\/\/|\_____/|_____/\/
//            Unknown [91]                                                                            | | |      |                    Checksum
//                                                                                                    | | |      |
//                                                                                                    | | |      +-- Course Code [1]
//                                                                                                    | | |
//                                                                                                    | | +-- Course Code [1]
//                                                                                                    | +-- Meet Type [2]
//                                                                                                    +-- Masters[2]
//
//   [  0:1  ]  Line ID - Must be B2
//   [  2:93 ]  Unknown
//   [ 94:95 ]  Masters (06 = Masters)
//   [ 96:97 ]  Meet Type (08, AG, US, SR)
//   [ 98:98 ]  Course Code (L = Long Course, S = Short Course, Y = Yards)
//   [106:106]  Course Code (L = Long Course, S = Short Course, Y = Yards)
//   [128:129]  Checksum
//
//
//
```

```
//*********************************************************************************************************************
// Swim Team Name Information
//
//                                                         1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 11
//           1 1 1 1 1 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5 6 6 6 6 6 7 7 7 7 7 8 8 8 8 8 9 9 9 9 9 0 0 0 0 0 1 1 1 1 1 2 2 2 2 22
// 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 89
// |         |         |         |         |         |         |         |         |         |         |         |         |
// C1AAAAAFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFSSSSSSSSSSSSSSSSSSLL                                                  TTT      81
//   \___/_____/_____/\/???????????????????????????????????????????????????????\_/?????\/
//     |        Full Team Name          Short Team Name |                                                          |    Checksum
//    +--Team Abbreviation [5]                          |                                                       Team Type
//                                            USA Swimming LSC
//                                  (Local Swimming Communities & Zones)
//
// Team Type [3] (From Hy-Tek Team Manager)
//    AGE  Age Group
//    HS   High School
//    COL  College
//    MAS  Masters
//    OTH  Other
//    REC  Recreation
//
//
```

```
//********************************************************************************************************************
// Swim Team Address Information
//
//                                                          1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 11
//           1 1 1 1 1 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5 6 6 6 6 6 7 7 7 7 7 8 8 8 8 8 9 9 9 9 9 0 0 0 0 0 1 1 1 1 1 2 2 2 2 22
// 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 89
// |         |         |         |         |         |         |         |         |         |         |         |
// C2TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACCCCCCCCCCCCCCCCCCCCCCCCCCCCCCSSZZZZZZZZZZCCC RRRR          21
//   _____/_____/_____/\/_____/\_/?\__/??????????????????\/
//            Mail To [30]             Address [30]              City [30]          | Zip [10]  |  |            Checksum
//                                                                                 |           |  +--Team Registration[4]
//                                                                                 +--State[2] +--Country[3]
//
// Team Registration [4] (From Hy-Tek Team Manager)
//    AUST  Austrailia
//    BCSS  Canada (BCSSA)
//    NZSF  New Zealand
//    OTH   Other
//    SSA   South Africa
//    UK    United Kingdom
//    USS   USA Swimming
//
//
```

```
//*****************************************************************************************************************
// Swim Team Address Information
//                                                                       1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 11
//           1 1 1 1 1 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5 6 6 6 6 6 7 7 7 7 7 8 8 8 8 8 9 9 9 9 9 0 0 0 0 0 1 1 1 1 1 2 2 2 2 22
// 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 89
// |       |         |         |         |         |         |         |         |         |         |         |
// C3                 DDDDDDDDDDDDDDDDDDDDEEEEEEEEEEEEEEEEEEEEFFFFFFFFFFFFFFFFFFFFMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM70
//   ?????????????????????????????????_____/_____/_____/_____/\/
//                                      Daytime Phone #[20] Evening Phone #[20]    Fax # [20]              Email Address [36]        Checksum
//
//
//
//
```

```
//******************************************************************************************************************************
//   Swimmer Entry
//
//                                                              1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 11
//            1 1 1 1 1 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5 6 6 6 6 6 7 7 7 7 7 8 8 8 8 8 9 9 9 9 9 0 0 0 0 0 1 1 1 1 1 2 2 2 2 22
// 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 89
// |         |         |         |         |         |         |         |         |         |         |         |         |
// D1M   12Bybee              Cody                                A                    07121999 11                                    56
// D1F   769Azbill            Millicent         Miley             C                    68012192001  6     0                           62
// D1F14081Reed               Laramie                             J021100LARJREED 101902112000  9     0                              11
// \/|\___/_____/_____/_____/|_____/\___/_____/?\/???????????????????????????\/
// | | |    Last Name [20]     First Name [20]    Nick Name [20]    |     |         |  DOB[8]  |                              Checksum
// | | |                                                            |     |         |      +--Age
// | | +--Swimmer ID [5] (from event database)            M.I.[1]   |     +--Swimmer ID [5] (from team database)
// | +-----Swimmer Gender [1]                                       |
// +-------Line code [2] (D1 = Swimmer Entry)                       +-- USSNUM [14] [MMDDYY][Frist(3)][M.I.][Last(4)]
//
//  The USSNUM is made up from the Date of Birth using the MMDDYY format. Then
//  the first three characters of the last name the middle initial and then the
//  the last four characters of the last name.  If there is no middle initial
//  or the name is shorter than the required characters the blank space is
//  filled with an "*".  Special characters are removed.
//  (From SDIF v3f)
//  Examples: Catherine A. Durance = 011553CATADURA
//    Cy V. Young          = 091879CY*VYOUN
//    Thomas Chu           = 020981THO*CHU*
//    Ty Lee               = 011873TY**
//
//   [  0:1  ]  Line ID
//   [  2    ]  Swimmer Gender
//   [  3:7  ]  Swimmer Id
//   [  8:27 ]  Swimmer LastName
//   [ 28:47 ]  Swimmer FirstName
//   [ 48:67 ]  Swimmer NickName
//   [ 68    ]  Swimmer MiddleInitial
//   [ 88:95 ]  Swimmer Birth
//   [ 97:98 ]  Swimmer Age
//   [128:129]  Checksum
//
//
//
```

```
//*********************************************************************************************************************
// Event Entry
//                                                              1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 11
//            1 1 1 1 1 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5 6 6 6 6 6 7 7 7 7 7 8 8 8 8 8 9 9 9 9 9 0 0 0 0 0 1 1 1 1 1 2 2 2 2 22
// 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 89
// |         |         |         |         |         |         |         |         |         |         |         |         |         |
// E1M   12BybeeMM  100E 11 12      3.50202??      0Y?  81.24Y?????????????????????????????????????????????????????????????????????07
// \/|\___/\___/||??\__/|\_/\_/????\____/\_/  \_____/| \_____/|                                                                    \/
// | |  |    |    | ||   | | | |    |         |       |    |   |                                                          Checksum
// | |  |    |    | ||   | | | |    |         |       |    |   |    |
// | |  |    |    | ||   | | | |    |         |       |    |   |    +--Seed Unit 2
// | |  |    |    | ||   | | | |    |         |       |    +------Seed Time 2
// | |  |    |    | ||   | | | |    |         |       +----------Seed Unit 1
// | |  |    |    | ||   | | | |    |         +---------------Seed Time 1
// | |  |    |    | ||   | | | |    +--------------------Event Number
// | |  |    |    | ||   | | | +------------------------Event Fee
// | |  |    |    | ||   | | +--------------------------------Age Upper
// | |  |    |    | ||   | +-----------------------------------Age Lower
// | |  |    |    | ||   +---------------------------------------Stroke
// | |  |    |    | ||  +------------------------------------------Distance
// | |  |    |    | |+-----------------------------------------------Gender 2
// | |  |    |    | +------------------------------------------------Gender 1
// | |  |    +------------------------------------------------------Last
// | | +---------------------------------------------------------Swimmer ID (from team database)
// | +----------------------------------------------------------Swimmer Gender
// +-----------------------------------------------------------Line code (E2 = Event Entry)
//
//
//    [  0:1  ]  Line ID
//    [  2    ]  Swimmer Gender   (M=Male,F=Female)
//    [  3:7  ]  Swimmer Id
//    [  8:12 ]  Swimmer Abbr    (First five digits of the last name)
//    [ 13    ]  Gender1         (M=Male,F=Female)
//    [ 14    ]  Gender2         (M=Mens, B=Boys, F=Womens, G=Girls)
//    [ 17:20 ]  Distance        (possibly start at 15 or 16)
//    [ 21    ]  Stroke          (A=Free, B=Back, C=Breast, D=Fly, E=Medley)
//    [ 22:24 ]  AgeLower        (0=Under)  \
//    [ 25:27 ]  AgeUpper        (109=Over) /[  0][109] = Open/Senior
//    [ 32:37 ]  Event Fee
//    [ 38:41 ]  Event Number
//    [ 42:49 ]  Conversion Seed Time 1
//    [ 50    ]  Conversion Seed Course 1 (L = Long Course, S = Short Course, Y = Yards)
//    [ 52:58 ]  Seed Time 1
//    [ 59    ]  Seed Course 1  (L = Long Course, S = Short Course, Y = Yards)
//    [ 60:67 ]  Conversion Seed Time 2
//    [ 68    ]  Conversion Seed Course 2 (L = Long Course, S = Short Course, Y = Yards)
//    [ 69:75 ]  Seed Time 2
//    [ 76    ]  Seed Course 2 (L = Long Course, S = Short Course, Y = Yards)
//    [128:129]  Checksum
//
```

```
//**********************************************************************************************************************
// Individual Event Results
//
//                                                                       1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 11
//           1 1 1 1 1 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5 6 6 6 6 6 7 7 7 7 7 8 8 8 8 8 9 9 9 9 9 0 0 0 0 0 1 1 1 1 1 2 2 2 2 22
//0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 89
// |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
// E2F  366.75Y       0  1  4  1   7  0  366.75  366.72    0.00       366.75    0.00                                              0    95
// \/|_____/|\_/?????\_/\_/\_/\__/???_____/_____/_____/?????_____/?_____/???????????????????_____/?????????????????\/
// | |   |    | |       | | |   |        |         |         |                 |                                   |                checksum
// | |   |    | |       | | |   |        |         |         |                 +--Plunger/Touch Pad Time           |
// | |   |    | |       | | |   |        |         |         +--Plunger/Touch Pad Time                             |
// | |   |    | |       | | |   |        |         +--Plunger/Touch Pad Time                              +--Day of event
// | |   |    | |       | | |   |        +--Plunger/Touch Pad Time
// | |   |    | |       | | |   +--Plunger/Touch Pad Time
// | |   |    | |       | | +--Overall Place
// | |   |    | |       | +--Place in heat
// | |   |    | |       +--Lane
// | |   |    | |    +--Heat
// | |   |    | +--Time Code
// | |   |    +--Length Unit
// | |    +--Time
// | +--Event Type
// +--Line ID
//
//
//   [  0:1  ]  Line ID
//   [  2    ]  Result Type     (F=Final, P=Prelim)
//   [  3:10 ]  Time
//   [ 11    ]  Lenth Unit      (Y=Yard, S=Short Course Meter)
//   [ 12:14 ]  Time Code       (Q=DQ, R=No Start/Show, ' ' = Normal, 'S' = Scratch (swimmer not swimming in finals), 'F' = False Start)
//   [ 20:22 ]  Heat
//   [ 23:25 ]  Lane
//   [ 26:28 ]  Place in Heat
//   [ 29:32 ]  Overall Place
//   [ 36:43 ]
//   [ 44:51 ]
//   [ 52:59 ]
//   [ 65:72 ]
//   [ 74:81 ]
//   [102:109]  Day of the event
//   [128:129]  Checksum
//
//
```

```
//*********************************************************************************************************************
// Relay Event Entry
//
//                                                               1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 11
//             1 1 1 1 1 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5 6 6 6 6 6 7 7 7 7 7 8 8 8 8 8 9 9 9 9 9 0 0 0 0 0 1 1 1 1 1 2 2 2 2 22
// 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 89
// |         |         |         |         |         |         |         |         |         |         |         |         |
// F1KZY  A   0FFF   200A 09 10    12.00255       0Y  146.99Y                                                                         36
// \/\___/|????|||???\_/|\_/\_/????\____/\_/  \_____/| \_____/|????????????????????????????????????????????????????????????????????\/
// |   |   |   |||    | | |  |          |    |                                                                                 Checksum
// |   |   |   |||    | | |  |          |    |
// |   |   |   |||    | | |  |          |    |
// |   |   |   |||    | | |  |          |    +--Event Number
// |   |   |   |||    | | |  |        +-------Event Fee
// |   |   |   |||    | | | +--Age Upper
// |   |   |   |||    | | +-----Age Lower
// |   |   |   |||    | +-------Stroke
// |   |   |   |||    +---------Distance
// |   |   |   ||+--------------Relay Gender 2
// |   |   |   |+--------------Relay Gender 1
// |   |   |     +--------------Relay Team Gender
// |   |   +--------------------Relay Team
// |   +----------------------Team Abbreviation
// +--------------------------Line ID
//
//    [  0:1  ]  Line ID
//    [  2:6  ]  Team Abbreviation
//    [  7    ]  Relay Team              (A, B...)
//    [ 12    ]  Relay Gender            (M=Male,F=Female)
//    [ 13    ]  Relay Gender1           (M=Male,F=Female)
//    [ 14    ]  Relay Gender2           (M=Mens, B=Boys, F=Womens, G=Girls)
//    [ 17:20 ]  Relay Distance
//    [ 21    ]  Relay Stroke            (A=Free, B=Back, C=Breast, D=Fly, E=Medley)
//    [ 22:24 ]  Relay Age Lower
//    [ 25:27 ]  Relay Age Upper
//    [ 32:37 ]  Event Fee
//    [ 38:40 ]  Event Number
//    [ 43:49 ]  Relay Seed Time 1
//    [ 50    ]  Relay Seed Course 1
//    [ 52:58 ]  Relay Seed Time 2
//    [ 59    ]  Relay Seed Course 2
//    [128:129]  Checksum
//
//
```

```
//********************************************************************************************************************
// Relay Event Entry
//
//                                                             1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 11
//            1 1 1 1 1 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5 6 6 6 6 6 7 7 7 7 7 8 8 8 8 8 9 9 9 9 9 0 0 0 0 0 1 1 1 1 1 2 2 2 2 22
// 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 89
// |         |         |         |         |         |         |         |         |         |         |         |         |
// F2F  111.19Y        0   1   3   6   23   0   111.28   111.32     0.00       111.19     0.00 0.00 +0.0 +0.0 +0.003132010           0     38
// \/|_____/|\_/?????\_/\_/\_/\__/???_____/_____/_____/?????_____/?_____/??????????????????_____/?????????????????\/
// | |    |   | |       | | |   |         |         |         |         |         |         |                        checksum
// | |    |   | |       | | |   |         |         |         |         |         +--Plunger/Touch Pad Time    |
// | |    |   | |       | | |   |         |         |         |         +--Plunger/Touch Pad Time         +--Day of event
// | |    |   | |       | | |   |         |         |         +--Plunger/Touch Pad Time
// | |    |   | |       | | |   |         |         +--Plunger/Touch Pad Time
// | |    |   | |       | | |   |         +--Plunger/Touch Pad Time
// | |    |   | |       | | |   +--Overall Place
// | |    |   | |       | |  +--Place in heat
// | |    |   | |       |  +--Lane
// | |    |   | |        +--Heat
// | |    |   | +--Time Code
// | |    |    +--Length Unit
// | |     +--Time
// | +--Event Type
// +--Line ID
//
//
//   [  0:1  ]  Line ID
//   [  2    ]  Result Type      (F=Final, P=Prelim)
//   [  3:10 ]  Time
//   [ 11    ]  Lenth Unit       (Y=Yard, S=Short Course Meter)
//   [ 12:14 ]  Time Code        (Q=DQ, R=No Start/Show, ' ' = Normal, 'S' = Scratch (swimmer not swimming in finals), 'F' = False Start)
//   [ 20:22 ]  Heat
//   [ 23:25 ]  Lane
//   [ 26:28 ]  Place in Heat
//   [ 29:32 ]  Overall Place
//   [ 36:43 ]
//   [ 44:51 ]
//   [ 52:59 ]
//   [ 65:72 ]
//   [ 74:81 ]
//   [102:109]  Day of the event
//   [128:129]  Checksum
//
//
```

```
//********************************************************************************************************************************
// Relay Event Entry
//                                                                            1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 11
//           1 1 1 1 1 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5 6 6 6 6 6 7 7 7 7 7 8 8 8 8 8 9 9 9 9 9 0 0 0 0 0 1 1 1 1 1 2 2 2 2 22
// 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 89
// |         |       |     |       |       |       |       |       |       |       |       |       |       |       |       |       |
// F3GDDDDDAAAAAGNGDDDDDAAAAAGNGDDDDDAAAAAGNGDDDDDAAAAAGN??????????????????????????????????????????????????????????????????????07
// \/|\___/\___/|||\___/\___/|||\___/\___/|||\___/\___/||                                                                        \/
// | | |   |   |||   |   |   |||   |   |   |||   |   |   ||                                                                 Checksum
// | | |   |   |||   |   |   |||   |   |   |||   |     |   |+--------------------------------------- Swimmer 4 Leg
// | | |   |   |||   |   |   |||   |   |   |||   |     |   +--------------------------------------- Swimmer 4 Gender
// | | |   |   |||   |   |   |||   |   |   |||   |   +--------------------------------------- Swimmer 4 Abbr
// | | |   |   |||   |   |   |||   |   |   |||   +--------------------------------------------- Swimmer 4 ID (from team database)
// | | |   |   |||   |   |   |||   |   |   ||+--------------------------------------------- Swimmer 4 Gender
// | | |   |   |||   |   |   |||   |   |   ||
// | | |   |   |||   |   |   |||   |     |   |+--------------------------------------- Swimmer 3 Leg
// | | |   |   |||   |   |   |||   |     |   +--------------------------------------- Swimmer 3 Gender
// | | |   |   |||   |   |   |||   |   +--------------------------------------- Swimmer 3 Abbr
// | | |   |   |||   |       |   |||   +--------------------------------------------- Swimmer 3 ID (from team database)
// | | |   |   |||   |       |   ||+--------------------------------------------- Swimmer 3 Gender
// | | |   |   |||   |       |   ||
// | | |   |   |||   |       |+--------------------------------------- Swimmer 2 Leg
// | | |   |   |||   |       +--------------------------------------- Swimmer 2 Gender
// | | |   |   |||   |     +--------------------------------------- Swimmer 2 Abbr
// | | |   |   |||   +--------------------------------------------- Swimmer 2 ID (from team database)
// | | |   |   ||+--------------------------------------------- Swimmer 2 Gender
// | | |   |   |+--------------------------------------- Swimmer 1 Leg
// | | |   |   +--------------------------------------- Swimmer 1 Gender
// | | |   +--------------------------------------- Swimmer 1 Abbr
// | | +--------------------------------------------- Swimmer 1 ID (from team database)
// | +--------------------------------------------- Swimmer 1 Gender
// +--------------------------------------------- Line code (F3 = Relay Event Entry)
//
//
//   [  0:1  ]  Line ID
//   [  2:2  ]  Swimmer 1 Gender     M=Male,F=Female
//   [  3:7  ]  Swimmer 1 Id         Must match a D1 record
//   [  8:12 ]  Swimmer 1 Abbr       First five digits of the last name
//   [ 13:13 ]  Swimmer 1 Gender     M=Male,F=Female, B=Boy, G=Girl
//   [ 14:14 ]  Swimmer 1 Relay Leg  1-8
//   [ 15:15 ]  Swimmer 2 Gender     M=Male,F=Female
//   [ 16:20 ]  Swimmer 2 Id         Must match a D1 record
//   [ 21:25 ]  Swimmer 2 Abbr       First five digits of the last name
//   [ 26:26 ]  Swimmer 2 Gender     M=Male,F=Female, B=Boy, G=Girl
//
//   [ 27:27 ]  Swimmer 2 Relay Leg  1-8
//   [ 28:28 ]  Swimmer 3 Gender     M=Male,F=Female
//   [ 29:33 ]  Swimmer 3 Id         Must match a D1 record
//   [ 34:38 ]  Swimmer 3 Abbr       First five digits of the last name)
//   [ 39:39 ]  Swimmer 3 Gender     M=Male,F=Female, B=Boy, G=Girl
//   [ 40:40 ]  Swimmer 3 Relay Leg  1-8
```

```
//    [ 41:41 ]   Swimmer 4 Gender      M=Male,F=Female
//    [ 42:46 ]   Swimmer 4 Id          Must match a D1 record
//    [ 47:51 ]   Swimmer 4 Abbr        First five digits of the last name
//    [ 52:52 ]   Swimmer 4 Gender      M=Male,F=Female, B=Boy, G=Girl
//    [ 53:53 ]   Swimmer 4 Relay Leg   1-8
//    [ 54:127]   Unused
//    [128:129]   Checksum
//
```

```
//********************************************************************************************************************
// Split Times
//
//                                                               1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 11
//           1 1 1 1 1 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4 5 5 5 5 5 6 6 6 6 6 7 7 7 7 7 8 8 8 8 8 9 9 9 9 9 0 0 0 0 0 1 1 1 1 1 2 2 2 2 22
// 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 8 0 2 4 6 89
// |         |           |           |           |           |           |           |           |           |           |
// G1F 2   29.13F 4   61.05F 6   94.46F 8  129.27F10  164.63F12  200.08F14  236.74F16  273.99F18  310.98F20  345.36                 72
// \/|\/_____/
// | | |    |
// | | |    +-- Time                          \
// | | +------- Length                         >Same format for the other records (2-10)
// | +--------- Result Type (Final, Prelim) /
// +-- Line ID
//
//
//
//
//
//
// EOF
//
```