

Race Audit File Specification

**Document Version = Version 1.6
October 30, 2019**

AGR-6270391

Table of Contents

Revision History	3
Introduction.....	4
Race Audit File (RAF) Specifications	4
1. Header Record Type.....	5
2. Race Status Record Type	6
3. Results Record Type.....	7
4. Pool Status Record Type	8
5. Liability Record Type.....	9
6. Price Record Type	10
7. Win Odds Record Type.....	12
8. Price Calculation Winning Money Record Type.....	12
9. Comment Record Type.....	14
10. End Of File Record Type	14
Sample Pipe Delimited File	14
File Delivery.....	16
Field Type Definitions	16
Pool Code Definitions.....	17
Breed Code Definitions.....	21

Revision History

Version	Date	Author	Comment
0.1	Aug 9, 2017	Steve Brush	Initial draft version
0.5	Aug 22, 2017	Steve Brush	Review revisions, sample file
0.6	Sep 7, 2017	Kirk McKibbon	Document cleanup
0.7	Sep 20, 2017	Kevin Lauckner	Added tote software version to Header Record Type
0.8	Oct 4, 2017	Kevin Lauckner	Changed file name to Race Audit File and added Curtis Linnell feedback
1.0	Oct 5, 2017	Kirk McKibbon	For Oct review with Working Group
1.1	Nov 6, 2017	Kevin Lauckner	Incorporated some Mark Bacha feedback and added others as comments
1.2	Jan 15, 2018	Kevin Lauckner	Added comments with John Carrie and Dan Higgins feedback.
1.3	Aug 14, 2018	Kevin Lauckner	Incorporated feedback from Mark Bacha, John Carrie, Dan Higgins and Curtis Linnell. Added tables defining field types and pool codes. Added network totals to Liability record type. Removed Price Calculation Sales record type. Changed Pool record type to Pool Status record type.
1.4	Nov 26, 2018	Kevin Lauckner	Added a Breed field to the Header Record Type and a Breed Code Definitions table. Added Surcharge Amount and Progressive Take-Out Amount fields to the Liability Record Type. Changed the race number in the file name to be the pricing race for multi-race pools.
1.5	Jan 21, 2019	Kevin Lauckner	Fixed errors in sample pipe delimited file. Made sub-seconds optional in ISO Date/Time field type. Restricted Text field type to printable characters. Removed Post status type from Race Status record type. Changed Winning Combination field so / is used to separate Pick-N legs. Changed several field types from Alpha/Numeric to Text.
1.6	Oct 30, 2019	Kevin Lauckner	Removed Race Status message with Post (P) status in Pipe delimited sample on page 15. Removed 01 from sample file name on page 14. Added Decimal Odds calculation instruction to Win Odds Message Type.

Introduction

Presently each betting source transfers transaction details to an independent secure data warehouse using a standard format (Transaction Audit File or TAF). One potential use of those files is to assist in performing regulatory audits.

In order to completely audit a betting pool (including winning money and payout prices) additional information is required beyond what is available in the TAF. This specification calls for each pool host to make a single file available after each race goes official containing supplementary betting information in standard format. Together with the TAFs this file will allow regulatory bodies to perform their required auditing activities.

Race Audit File (RAF) Specifications

A Race Audit File is composed of a single pipe (|) delimited ASCII file which contains racing information such as race statuses, runners, scratches, pool amounts and price calculation data. Each pool host will be required to transfer a RAF in pipe (|) delimited format to the secure RAF data warehouse immediately following each race going official. If pool host RAFs are not available then each guest tote participating in the pool (for double and triple hops just the final hop) is required to transfer a RAF with a subset of the information required from pool hosts following each race going official. Data for multi-leg pools such as Pick N pools will be included in the RAF after the last leg of the pool.

Each RAF will use the following filename format which has 5 fields, a fixed prefix of RAF and file extension of TXT. An underscore character separates each field in the name and fields are not a fixed width.

File Naming Convention

Field	Name	Type	Description
1	Gen Source (GGG)	Alpha/Numeric	TRA Source ID of the computing system that generates the file.
2	Event Code (EEE)	Alpha/Numeric	Identifies the host's betting program by TRA code
3	Nominal Event Date (YYYYMMDD)	Alpha/Numeric	The nominal event date in the format of 'YYYYMMDD' of the event. This date represents the pari-mutuel host racetrack's published date of the event.
4	Race (RR)	Alpha/Numeric	Identifies the race number of the race host relating to the pricing leg of pools included in the file.
5	Transfer Time (yyyymmddThhmmsss)	Alpha/Numeric	The time of transferring the file (yyyymmddThhmmsss) in UTC. If a file has to be resent, this time field will make the file unique.

Example filename: RAF_GGG_EEE_YYYYMMDD_RR_yyyymmddThhmmsss.TXT (Codes are not fixed width)

Record Type Field

The first field in the RAF specification '**Record Type**' will identify the type of record contained within the RAF file. Field names will vary accordingly.

1. **H** = Header
2. **S** = Race Status
3. **R** = Results
4. **P** = Pool Status
5. **L** = Liability
6. **\$** = Price
7. **O** = Win Odds
8. **W** = Price Calculation Winning
9. **C** = Comment
10. **E** = End of File.

1. Header Record Type

The Header record type identifies the Event Code, Event Date, Race, Host Tote and Version of the RAF contents. Only 1 record per race is required for this record type.

Nr	Field	Description	Tote Field Type
1	Record Type	Identifies the type of record. Use Record Type = 'H' for Header record.	Text
2	Event Date	The event date in YYYYMMDD format. This date would represent the nominal date set by the pari-mutuel host racetrack for the date of the event. i.e.: "20140114"	Alpha/Numeric
3	GenSource	TRA Source ID (2 character TRA source code plus the 3 rd source instance character) of the computing system that generates the RAF.	Alpha/Numeric
4	Event Code	Identifies the race host's betting program by TRA code	Alpha/Numeric
5	Race Number	Identifies the race number this file corresponds to	Integer
6	Hosted Event Indicator	Shall be true ('T') if the event's pools are hosted on the gensource Tote's network. A false ('F') value implies this is a guest event.	Alpha/Numeric
7	Pool Host Currency	The ISO Currency code of the currency used by the pool host.	Alpha/Numeric
8	RAF Version	Identifies the version number of the RAF specification (Major.Minor). i.e.: '1.5'	Text
9	Tote Software Version	Identifies the version number of the gensource tote software level (Major.Minor). i.e.: '428.01.12'	Text

2. Race Status Record Type

The Race Status record type is intended to capture changes to a race status as well as updates to runners and scratches over the lifecycle of the race. The intention is that this message be included in the RAF when any of the information elements in the message changes.

Nr	Field	Description	Tote Field Type
1	Record Type	Identifies the type of record. Use Record Type = 'S' for Race Status records.	Text
2	Race Status	Identify the current status of the race. O=Open – betting is open on the race C=Closed – betting on the race is closed X=Cancelled – betting on the race has been cancelled and all single leg pools refunded F=Final – betting on the race has been closed and all money has been received for all pools by the pool host (only required for hosted events) U=Unofficial – the pools for the race have been priced but cashing has not started (only required for hosted events) T=Official – the pools for race have been priced and cashing enabled	Alpha/Numeric
3	Live Runners	A comma separated string containing numbers and optionally ranges (e.g. 1,3,5-8 would be 1,3,5,6,7,8) representing the current live runners in this race. If the race includes entries then those will be included here as well and use the same letter designation as the pool host (e.g. 1,1a,1x, 2,2b,2x,3,4,5,6). Entries are not required for guest events.	Text
4	Scratches	A comma separated string containing numbers and optionally ranges (e.g. 1,3,5-8 would be 1,3,5,6,7,8) representing the current scratched runners in this race. If the race includes entries that have been scratched then those will be included here as well and use the same letter designation as the pool host (e.g. 1,1a,1x, 2,2b,2x,3,4,5,6). Entries are not required for guest events.	Text
5	Opening Time	The time that betting was opened or re-opened on the race on the gensource tote in UTC (ISO Standard 8601). i.e.: "2009-04-14T11:44:02Z"	ISO Date/Time
6	Scheduled Post Time	The scheduled post time of the race in UTC (ISO Standard 8601). i.e.: "2009-04-14T11:44:02Z"	ISO Date/Time
7	Pool Close Date/Time	Actual Date/Time of when pool closed on the gensource tote in UTC (ISO Standard 8601). I.e.: "2009-04-14T11:44:02Z"	ISO Date/Time
8	Surface Changed Indicator	True ('T') if the surface of the race changed prior to the close of pools for the race. False ('F') if no surface change occurred prior to the close of the race. The surface change indicator is not required for guest events.	Alpha/Numeric
9	Breed	The breed abbreviation as defined in the Breed Code Definitions table.	Alpha/Numeric

Nr	Field	Description	Tote Field Type
10	Time	Actual Date/Time when this message was generated in UTC (ISO Standard 8601). i.e.: "2009-04-14T11:44:02Z". The Z suffix is optional.	ISO Date/Time

3. Results Record Type

The Results record type will contain the official results of the race specified in the Header record type. If a second set of official results is required for any reason a subsequent Results message will be sent to override the initial message sent.

The number of finishers shall be the maximum available from the pool host. For example, if the pool host uses 5 finishers the results field will include all 5 finishers.

Nr	Field	Description	Tote Field Type
1	Record Type	Identifies the type of record. Use Record Type = 'R' for Results records.	Text
2	Results	A forward slash separated string containing numbers and comma separated numbers (to denote dead heats) (e.g. 1/3/7/5,8 would imply runner 1 won the race, and that runners 5 and 8 finished in a dead heat for 4 th). If the pool host includes entries in the results then they will be included here as well and use the same letter designation as the pool host (e.g. 1,1a,1x, 2,2b,2x). Entries are not required for guest events.	Text
3	Time	Actual Date/Time when this message was generated in UTC (ISO Standard 8601). i.e.: "2009-04-14T11:44:02Z". The Z suffix is optional.	ISO Date/Time

4. Pool Status Record Type

The Pool Status record type identifies the status of each source in the pool.

For hosted events all sources that participated in a host's pools should have a record of this type. For double and triple hops only the final hop (middle tote) source records would be included.

For guest events only the gensource tote source records will be included. The gensource tote source records would also include any data originating from double and triple hops.

Nr	Field	Description	Tote Field Type
1	Record Type	Identifies the type of record. Use Record Type = 'P' for Pool records.	Text
2	Pool Code	The pool abbreviation as defined in the Pool Code Definitions table. Multiple segment bets such as WPS, WS will need to be broken down by pool	Alpha/Numeric
3	TRA Source	TRA Source Code of the source. For double-hops the source code of the final hop (middle tote) will be used. The code will include the 2 character TRA source code plus the 3 rd source instance character.	Alpha/Numeric
4	Active Indicator	Flag indicating if this source is active in the pool. True ('T') if the source's sales have been merged into the network sales for this pool and false ('F') if it has been excluded. For example, it may be false ('F') in the event of a communication interruption between pool host and source resulting in the source being removed from the pool.	Alpha/Numeric
5	Pool Final Time	Actual Date/Time when all final money was received by the host from this source for this pool in UTC (ISO Standard 8601). i.e.: "2009-04-14T11:44:02Z"	ISO Date/Time
6	Time	Actual Date/Time when this message was generated in UTC (ISO Standard 8601). i.e.: "2009-04-14T11:44:02Z". The Z suffix is optional.	ISO Date/Time

5. Liability Record Type

The Liability record type captures monetary amounts related to a Source's involvement in a pool.

For hosted races one record per pool per Source and one record per pool with network totals will be required from a Host for this record type. This includes remote sources as well as gensource tote sources. Gensource tote sources will also be broken down to the customer level if the gensource tote customers are treated individually for price calculations (i.e. not grouped under one source). For double and triple hops only the final hop (middle tote) data will be included.

For guest events only the gensource tote source records will be included. The gensource tote source records would also include any money originating from double and triple hops.

Nr	Field	Description	Tote Field Type
1	Record Type	Identifies the type of record. Use Record Type = 'L' for Liability records.	Text
2	Race Number	Identifies the race this pool is associated with. For multi-race pools this should be sent at the completion of the pool with the referenced race number being the start race of the pool.	Integer
3	Pool Code	The pool abbreviation as defined in the Pool Code Definitions table. Multiple segment bets such as WPS, WS will need to be broken down by pool	Alpha/Numeric
4	TRA Source	TRA Source Code of the source. For network totals use `*`. For double-hops the source code of the final hop (middle tote) will be used. The code will include the 2 character TRA source code plus the 3 rd source instance character.	Text
5	TRA Customer	The TRA Customer Code for customers on the gensource tote network. Use `*` if only the TRA Source is known and the customers are not treated individually for price calculations. Also use `*` for network totals.	Text
6	Net Sales	Total wagered amount at this source/customer minus cancels and refunds.	Money
7	Refund Amount	Total refunded by the source/customer.	Money
8	Add-in Amount	The amount added to the net pool (pool minus cancels, refunds and commissions) resulting from an underpayment on a previous event. This is not required for guest events.	Money
9	Carry In Amount	Amount carried forward from the previous instance of the pool. This is not required for guest events.	Money
10	Carry Forward Amount	Amount carried forward to the next instance of the pool. This is not required for guest events.	Money
11	Commission Amount	The amount of money withdrawn from the pool for commission by the source/customer.	Money
12	Commission Percentage	The percentage of commission withdrawn from the pool by the source/customer. For network totals leave blank.	Numeric
13	Breakage Amount	The total net pool (total sales minus cancels, refunds and commissions) minus the total payout amount (winning money multiplied by the dollar payout price for each source). The amount may be a positive or negative number.	Money

Nr	Field	Description	Tote Field Type
14	Liability Amount	Total payout (winning money multiplied by the dollar payout price) of the source/customer	Money
15	Surcharge Amount	Additional charges assessed on the payout. If the surcharge amount is unknown leave blank.	Money
16	Progressive Take-Out Amount	Additional commission removed from pool based on pool host pre-set odds thresholds and/or other criteria. If the progressive take-out amount is unknown leave blank.	Money
17	Currency	The ISO Currency code of the external currency the source/customer utilizes. For double-hops the currency of the final hop (middle tote) will be used. For network totals use the Pool Host currency.	Alpha/Numeric
18	Exchange Rate	The exchange rate used to convert from the source/customer external currency to the host currency. For double and triple hops the exchange rate of the final hop currency will be used. For network totals use 1. Leave blank if unknown.	Numeric
19	Time	Actual Date/Time when this message was generated in UTC (ISO Standard 8601). i.e.: "2009-04-14T11:44:02Z". The Z suffix is optional.	ISO Date/Time

6. Price Record Type

The Price record type captures the payout prices for winning combinations in a pool.

One record per combination per pool will be required from a Pool Host or Guest for this record type.

Nr	Field	Description	Tote Field Type
1	Record Type	Identifies the type of record. Use Record Type = '\$' for Price records.	Text
2	Race Number	Identified the race this pool is associated with. For multi-race pools this should be sent at the completion of the pool with the referenced race number being the start race of the pool.	Integer
3	Pool Code	The pool abbreviation as defined in the Pool Code Definition table. Multiple segment bets such as WPS, WS will need to be broken down by pool	Alpha/Numeric

Nr	Field	Description	Tote Field Type
4	Winning Combination	<p>A forward slash separated string containing numbers and comma separated numbers (to denote dead heats) (e.g. 1/3/7/5,8 would imply runner 1 won the race, and that runners 5 and 8 finished in a dead heat for 4th).</p> <p>For Pick N pools and other multi-race pools this field will include all possible winning combinations. (e.g. a Pick 6 pool may be represented as 1,3/4/1-8/3/5/2,3 assuming a favorite substitute in leg #1, cancelled or no contest race in leg #3 with an 8 runner field, and a dead heat in leg #6).</p> <p>For multi-race pools that use combinations for more than one position in each race a double back slash will be used to separate the races and a single forward slash will be used to separate the positions within each race (e.g. a Triple Trio pool may be presented as 2/5/11\\4/5/12\\3/4/10).</p> <p>If the races for a multi-race pool are not sequential then the race number in square brackets will precede the winning combination for each race.</p>	Text
5	Mandatory Pay	True ('T') if the pool is a carryover pool and the pool has a mandatory payout of any previous and current carryover amount. False ('F') if the pool is not a carryover pool or if there is no mandatory payout. This is not required for guest events.	Alpha/Numeric
6	Consolation Price	True ('T') if the specific price is calculated as a consolation for late scratches. False ('F') if the price is not calculated as a consolation for late scratches. This is not required for guest events.	Alpha/Numeric
7	Minor Price	True ('T') if the specific price is calculated as a minor price using less than half of the pool (not including any carryover) and a major price is also being paid. False ('F') if the price is not minor. This is not required for guest events.	Alpha/Numeric
8	Unique Winning Ticket	True ('T') if the price is being calculated using a unique winning ticket rule and is being paid to a unique winning ticket. False ('F') if the price is not being calculated using a unique winning ticket rule or is not being paid to a unique winning ticket. This is not required for guest events.	Alpha/Numeric
9	Base Price	The base price (for net pool pricing) to whatever precision was used by the pool host in the price calculation. For gross pool use the raw (no breakage rules applied) \$1.00 price. This is not required for guest events.	Numeric
10	Time	Actual Date/Time when this message was generated in UTC (ISO Standard 8601). i.e.: "2009-04-14T11:44:02Z". The Z suffix is optional.	ISO Date/Time

7. Win Odds Record Type

The Win Odds record type captures the current decimal odds of a runner in a race. These records should be included as a set of records with one record per runner in the race. Sets of records should be included for every odds cycle run by the Pool Host for at least the last 15 cycles. For guest events these messages may be excluded.

Nr	Field	Description	Tote Field Type
1	Record Type	Identifies the type of record. Use Record Type = 'O' for Odds records.	Text
2	Runner	The numeric position of the runner being represented.	Integer
3	Decimal Odds	The current decimal Win odds of the runner. \$1.00 probable Win payout minus \$1.00.	Numeric
4	Time	Actual Date/Time when this message was generated in UTC (ISO Standard 8601). i.e.: "2009-04-14T11:44:02Z". The Z suffix is optional.	ISO Date/Time

8. Price Calculation Winning Money Record Type

The Price Calculation Winning Money record type should contain the output from the official price calculation conducted post-race. There should be one record per winning runner combination per pool per source .

Gensource tote sources will also be broken down to the customer level if the gensource tote customers are treated individually for price calculations (i.e. not grouped under a single source).

Nr	Field	Description	Tote Field Type
1	Record Type	Identifies the type of record. Use Record Type = 'W' for Price Calculation Winning records.	Text
2	Race Number	Identifies the race this pool is associated with. For multi-race pools this should be sent at the completion of the pool with the referenced race number being the start race of the pool.	Integer
3	Pool Code	The pool abbreviation as defined in the Pool Code Definition table. Multiple segment bets such as WPS, WS will need to be broken down by pool	Alpha/Numeric
4	TRA Source	TRA Source Code of the source. For double-hops the source code of the final hop (middle tote) will be used. The code will include the 2 character TRA source code plus the 3 rd source instance character.	Text
5	TRA Customer	The TRA Customer Code for gensource tote customers. Use '*' if only the TRA source is known and the customers are not treated individually for price calculations.	Text

Nr	Field	Description	Tote Field Type
6	Winning Combination	<p>A forward slash separated string containing numbers and comma separated numbers (to denote dead heats) of the winning runner combinations (e.g. 1/3/7/5,8 would imply runner 1 won the race, and that runners 5 and 8 finished in a dead heat for 4th.</p> <p>For Pick N and other multi-race pools this field will include all possible winning combinations (e.g. a Pick 6 pool may be represented as 1,3/4/1-8/3/5/2,3 assuming a favorite substitute in leg #1, cancelled or no contest race in leg #3 with an 8 runner field, and a dead heat in leg #6).</p> <p>For multi-race pools that use combinations for more than one position in each race a double back slash will be used to separate the races and a single forward slash will be used to separate the positions within each race (e.g. a Triple Trio pool may be presented as 2/5/11\\4/5/12\\3/4/10).</p> <p>If the races for a multi-race pool are not sequential then the race number in square brackets will precede the winning combination for each race.</p>	Text
7	Legs Correct	<p>For multi-race pools this shall be an indicator of how many correct legs are represented in each winning combination. (e.g. a Pick 6 pool which paid on 4 of 6 correct would have a value of 4). If the races for the pool are not sequential then the race number in square brackets will precede the Legs Correct and a comma will separate each race. This is not required for guest events.</p>	Text
8	Winner Split	<p>The ratio of the pool this winning combination will share. (e.g. for a Place pool this would usually be "1/2". A Show pool with a dead heat for 3rd may have splits of "1/3", "1/3", "1/6", "1/6" across its four winning combinations). The ratio can also be represented by a decimal value where required. This is not required for guest events.</p>	Text
9	Winning Amount	<p>The gross amount of winning money from the source/customer on the above combination with no rounding.</p>	Money
10	Breakage Rule	<p>The sub-dollar amount to which the raw price will be rounded down to arrive at the dollar payout price. For example dime breaks would be represented as 0.10, nickel breaks as 0.05 and penny breaks as 0.01.</p>	Money
11	Raw Price	<p>The \$1.00 price prior to rounding. This is not required for guest events.</p>	Money
12	Dollar Price	<p>The \$1.00 price paid out to winners with breakage rules applied.</p>	Money
13	Currency	<p>The ISO Currency code of the external currency the source utilizes. For double-hops the currency of the final hop (middle tote) will be used.</p>	Alpha/Numeric

Nr	Field	Description	Tote Field Type
14	Exchange Rate	The exchange rate used to convert from the source external currency to the host currency. For double and triple hops the exchange rate of the final hop currency will be used. Leave blank if unknown.	Numeric
15	Time	Actual Date/Time when this message was generated in UTC (ISO Standard 8601). i.e.: "2009-04-14T11:44:02Z". The Z suffix is optional.	ISO Date/Time

9. Comment Record Type

The Comment record type is an optional record type that is used to indicate special comments about the RAF file.

Nr	Field	Description	Tote Field Type
1	Record Type	Identifies the type of record. Use Record Type = 'C' for comment record.	Text
2	Note	Optional field that identifies special text that may be helpful to RAF Data Warehouse during abnormal situations. i.e.: If this is a revised file, you may want to indicate why it was revised.	Text

10. End Of File Record Type

The End of File record type is used to indicate that the file is complete. 1 record per file is expected for this record type. Any file that is received without this record will not be processed.

Nr	Field	Description	Tote Field Type
1	Record Type	Identifies the type of record. Use Record Type = 'E' for end of file marker.	Text

Sample Pipe Delimited File

Filename: RAF_Q9A_WOT_20180414_04_20180414T2101318.TXT

```
H|20180414|Q9A|WOT|4|T|CAD|1.5|17.1.33|
S|C|1-8|F|TH|20140414T020000Z|
S|O|1-8|20180414T023000Z|20180414T050204Z||F|TH|20180414T023000Z|
O|1|3.34|20180414T023000Z|
O|2|12.00|20180414T023000Z|
O|3|18.22|20180414T023000Z|
O|4|4.80|20180414T023000Z|
O|5|9.00|20180414T023000Z|
O|6|11.20|20180414T023000Z|
O|7|27.00|20180414T023000Z|
O|8|40.00|20180414T023000Z|
S|O|1-5,7,8|6|20180414T023000Z|20180414T050204Z||F|TH|20180414T033000Z|
O|1|5.74|20180414T045400Z|
O|2|12.00|20180414T045400Z|
O|3|13.82|20180414T045400Z|
O|4|3.80|20180414T045400Z|
O|5|9.00|20180414T045400Z|
O|6|0|20180414T045400Z|
O|7|29.00|20180414T045400Z|
```

O|8|32.00|20180414T045400Z|
 S|O|1-5,7|6,8|20180414T023000Z|20180414T050204Z||F|TH|20140414T045500Z|
 O|1|6.90|20180414T045816Z|
 O|2|12.00|20180414T045816Z|
 O|3|13.72|20180414T045816Z|
 O|4|3.10|20180414T045816Z|
 O|5|7.00|20180414T045816Z|
 O|6|0|20180414T045816Z|
 O|7|44.00|20180414T045816Z|
 O|8|0|20180414T045816Z|
 S|C|1-5,7|6,8|20180414T023000Z|20180414T050204Z|20180414T050225Z|F|TH|20180414T050227Z|
 P|WIN|Q9A|T|20180414T050232Z|20180414T050232Z|
 P|WIN|ONA|T|20180414T050232Z|20180414T050232Z|
 P|WIN|KYB|T|20180414T050232Z|20180414T050232Z|
 P|PLC|Q9A|T|20180414T050232Z|20180414T050232Z|
 P|PLC|ONA|T|20180414T050232Z|20180414T050232Z|
 P|TRI|Q9A|T|20180414T050233Z|20180414T050233Z|
 P|TRI|ONA|T|20180414T050233Z|20180414T050233Z|
 P|TRI|KYB|T|20180414T050233Z|20180414T050233Z|
 S|F|1-5,7|6,8|20180414T023000Z|20180414T050200Z|20180414T050225Z|F|TH|20180414T050424Z|
 R|1/3/7/5/4|20180414T050428Z|
 \$|4|WIN|1|F|F|F|F|7.124538|20180414T050428Z|
 \$|4|PLC|1|F|F|F|F|9.672468|20180414T050428Z|
 \$|4|PLC|3|F|F|F|F|5.794421|20180414T050428Z|
 \$|4|TRI|1/3/ALL|F|F|F|F|38.563780|20180414T050428Z|
 \$|1|PK4|6/3/5,7/1|F|F|F|F|796.744770|20180414T050428Z|
 L|4|WIN|*|*|903.00|92.64|0.00|0.00|0.00|160.03||0.06|796.05|0.00|0.00|CAD|1|20180414T050512Z|
 L|4|WIN|Q9A|WOO|400.00|30.00|0.00|0.00|0.00|73.06|19.75|0.02|63.90|0.00|0.00|CAD|1|20180414T
 050512Z|
 L|4|WIN|Q9A|MOH|100.00|5.00|0.00|0.00|0.00|18.76|19.75|0.03|156.20|0.00|0.00|CAD|1|20180414T0
 50512Z|
 L|4|WIN|ONA|*|10.00|0.00|0.00|0.00|0.00|2.13|19.75|0.00|21.30|0.00|0.00|CAD|1|20180414T050512
 Z|
 L|4|WIN|KYB|*|300.00|44.00|0.00|0.00|0.00|50.56|19.75|0.01|423.40|0.00|0.00|USD|1.31|20180414T
 050512Z|
 L|4|PLC|*|*|150.00|15.00|0.00|0.00|0.00|35.63||0.04|124.40|0.00|0.00|CAD|1|20180414T050512Z|
 L|4|PLC|Q9A|WOO|100.00|10.00|0.00|0.00|0.00|16.88|18.75|0.01|108.60|0.00|0.00|CAD|1|20180414T
 050512Z|
 L|4|PLC|ONA|*|50.00|5.00|0.00|0.00|0.00|6.75|18.75|0.03|15.80|0.00|0.00|CAD|1|20180414T050512Z
 |
 L|4|TRI|*|*|1713.40|267.92|0.00|0.00|0.00|299.97||0.00|738.9|0.00|0.00|CAD|1|20180414T050512Z|
 L|4|TRI|Q9A|WOO|680.00|113.20|0.00|0.00|0.00|117.65|20.75|0.00|72.60|0.00|0.00|CAD|1|20140414
 T050512Z|
 L|4|TRI|Q9A|MOH|60.00|8.00|0.00|0.00|0.00|10.79|20.75|0.00|145.20|0.00|0.00|CAD|1|20180414T05
 0512Z|
 L|4|TRI|ONA|*|4.00|0.00|0.00|0.00|0.00|0.83|20.75|0.00|15.44|0.00|0.00|CAD|1|20180414T050512Z|
 L|4|TRI|KYB|*||740.00|112.00|0.00|0.00|0.00|130.31|20.75|0.00|386.00|0.00|0.00|USD|1.31|2018041
 4T050512Z|
 L|1|PK4|*|*|402.00|0.00|0.00|0.00|0.00|93.58||0.00|0.00|340.00|0.00|0.00|CAD|1|20180414T050512
 Z|
 L|1|PK4|Q9A|WOO|240.00|0.00|0.00|0.00|0.00|49.80|20.75|0.00|0.00|340.00|0.00|0.00|CAD|1|20180
 414T050512Z|
 L|1|PK4|Q9A|MOH|162.80|0.00|0.00|0.00|0.00|33.78|20.75|0.00|0.00|0.00|0.00|CAD|1|20180414
 T050512Z|
 W|4|WIN|Q9A|WOO|1||1/1|9.00|0.05|7.16|7.15|CAD|1|20180414T050428Z|
 W|4|WIN|Q9A|MOH|1||1/1|22.00|0.05|7.16|7.15|CAD|1|20180414T050428Z|
 W|4|WIN|ONA|*|1||1/1|3.00|0.05|7.16|7.15|CAD|1|20180414T050428Z|
 W|4|WIN|KYB|*|1||1/1|59.00|0.10|7.16|7.10|USD|1.31|20180414T050428Z|
 W|4|PLC|Q9A|WOO|1||1/2|10.00|0.05|9.67|9.65|CAD|1|20180414T050428Z|

W|4|PLC|Q9A|WOO|3||1/2|2.00|0.05|8.14|8.10|CAD|1|20180414T050428Z|
 W|4|PLC|ONA|*|1||1/2|1.00|0.05|9.67|9.65|CAD|1|20180414T050428Z|
 W|4|PLC|ONA|*|3||1/2|1.00|0.05|8.14|8.10|CAD|1|20180414T050428Z|
 W|4|TRI|Q9A|WOO|1/3/ALL||1/1|2.00|0.05|25.17|25.15|CAD|1|20180414T050428Z|
 W|4|TRI|Q9A|MOH|1/3/ALL||1/1|4.00|0.05|25.17|25.15|CAD|1|20180414T050428Z|
 W|4|TRI|ONA|*|1/3/ALL||1/1|0.40|0.05|25.17|25.15|CAD|1|20180414T050428Z|
 W|4|TRI|KYB||1/3/ALL||1/1|10.00|0.10|25.17|25.10|USD|1.31|20180414T050428Z|
 W|1|PK4|Q9A|WOO|6/3/5,7/1|4|1/1|0.40|0.05|50.59|50.55|CAD|1|20180414T050428Z|
 W|1|PK4|Q9A|MOH|6/3/5,7/1||0.00|0.05|50.59|50.55|CAD|1|20180414T050428Z|
 E|

File Delivery

The RAF file based on the specs above must be pushed to the secure RAF data warehouse via secure FTP from the Race Host within the 5 minutes following the close of a race. Tote hub operators should have the capability of manually resending RAF files if requested.

In the event the host re-opens pools that were flagged as Final, the Host will need to re-submit the file after the pools have been closed a second time with a new timestamp in the filename.

RAF data warehouse FTP Server will be restricted by IP, requiring FTP clients to have a static IP address. Each tote provider will have one login credential that will map to a single folder. RAF files from each tote hub can be transferred to the same FTP folder.

Field Type Definitions

Field	Description	Regex
Alpha/Numeric	General text or code values. Special characters are not permitted.	^[a-zA-Z0-9]*\$
Integer	Numeric value with no decimal component	^[0-9]*\$
Numeric	Numeric value with a decimal component. Decimal component is preceded by "."	^[0-9]+(\. \,)[0-9][0-9]+\$
Money	Used to represent monetary values (currency amounts). Currency symbols are not to be used as the currency type should be implied in a related Alpha/Numeric field. Decimal component is preceded by "."	^[0-9]+(\. \,)[0-9][0-9]?\$
ISO Date	ISO Date format with no time component where \d is an integer from 0 to 9.	^\d{4}\-\d\d\-\d\d\$
ISO Date/Time	ISO Date/Time format with a mandatory time component, set to UTC time where \d is an integer from 0 to 9.	^\d{4}\-\d\d\-\d\d[T]\d\d:\d\d:\d\d([\.\d{6})?\$
Text	Freeform text between field delimiters.	[\x20-\x7f]*

Pool Code Definitions

Code	Name	Transfer	Description
WIN	Win	Single Leg Pool	Choose the runner to finish first in one race
PLC	Place	Single Leg Pool	Choose the runner to finish in the number of <pay positions> for one race designated by the host.
SHW	Show	Single Leg Pool	Choose the runner to finish in the number of <pay positions> for one race designated by the host.
DD	Daily Double	Double Leg Pool	Choose the runner to finish first in two designated races
EX	Exacta/Perfecta	Double Leg Pool	Choose the runners to finish first and second in exact order in one race
QU	Quinella	Double Leg Symmetric Pool	Choose the runners to finish first and second in either order in one race
TRI	Trifecta	Tripe Leg Pool	Choose the runners to finish first, second, and third in exact order in one race
SPR	Superfecta	Late Scan	Choose the runners to finish first, second, third, and fourth in exact order in one race
BP	Big Perfecta	Double Leg Pool	Choose the runners to finish first and second in exact order for two designated races with an exchange to the second race
BQ	Big Quinella	Double Leg Symmetric Pool	Choose the runners to finish first and second in either order for two designated races with an exchange to the second race
QD	Quinella Double	Double Leg Symmetric Early Scan	Choose runners to finish first and second in either order, in each of two designated races
DE	Double Exacta	Double Leg Early Scan	Choose runners to finish first and second in exact order, in each of two designated races
TT	Twin Trifecta	Triple Leg Pool (1st) Triple Leg Pool (2nd)	Choose the runners to finish first, second, and third in exact order for two designated races with an exchange to the second race
TS	Tri Super	Triple Leg Pool (1st) Late Scan (2nd)	Choose the runners to finish first, second, and third in exact order for the first of two designated races with an exchange to the second race in which the runners are chosen to finish first, second, third, and fourth in exact order

Code	Name	Transfer	Description
SS	Twin Superfecta	Late Scan (1st) Late Scan (2nd)	Choose the runners to finish first, second, third, and fourth in exact order for two designated races with an exchange to the second race
P03	Pick Three	Triple Leg Pool	Choose the runners to finish first in three designated races
Pnn	Pick-N	Early Scan	Choose the runners to finish in a designated finish for nn designated races. The supported values for nn are from 4 through 12
ETS	Exacta-Trifecta-Superfecta	Double Leg Pool (1st) Triple Leg Pool (2nd) Late Scan (3rd)	Choose the runners to finish first and second in exact order in the first of three designated races with an exchange to the second race to choose the runners to finish first, second, and third in exact order with another exchange to the third race to choose the runners to finish first, second, third, and fourth in exact order
OMN	Omni (Place- Quinella)	Double Leg Symmetric Pool	Choose two runners to finish first, second, or third in any order in one race
Enn	Exact-N	Late Scan	Choose the runners to finish first through nth in exact order in one race. The supported values for nn are 5 through 12
PPT	Perfecta-Perfecta-Trifecta	Late Scan	Choose runners to finish first and second in exact order in each of two designated races, and to finish first, second and third in exact order in a third race
Cnn	Choose-N	Early Scan	Choose runners to finish in a designated finish for nn races from any of the designated races that encompasses this pool. The number of designated races may exceed the required nn races. Only one Choose-N pool is allowed per performance. There may be more than one Choose-N pools per performance, as long as the nn is different for those Choose pools

Code	Name	Transfer	Description
TN	The Number	Single Leg Pool	The bettor selects whether the sum of the program numbers of the first 3 runners in the official order of finish is over, under, or on "The Number". The Number is determined by the number of programmed starters per race. Only the first three runners are used in the pool. Runner 1 is UNDER, Runner 2 is ON, and Runner 3 of OVER. Scratches do not affect the pool or totals
TIE	Tiercé	Triple Leg Pool	Choose the runners to finish first, second, and third either in exact order or in any order in one race
QUA	Quarté +	Late Scan	Choose the runners to finish first, second, third and fourth in exact order or in wrong order in one race
QUI	Quinté+	Late Scan	Choose the runners to finish first, second, third, fourth and fifth in exact order or in wrong order in one race
MTI	Multi	Late Scan	Choose the runners to finish first, second, third and fourth in any order in one race among X designated runners. The supported values for X are 4 through 7. The winning amount depends on the number of designated runners
2/4	2 SUR 4	Double Leg Pool	Choose two runners to finish among the four first finishers in one race
TRO	Trio	Triple Leg Symmetric Pool	Choose the runners to finish first, second and third in either order in one race
GSL	Grand Slam	Early Scan	Choose the runners to finish in a designated finish for 4 designated races
FS4	First 4	Extended Pool	Choose the runners to finish first, second, third, and fourth in any order in one race
TR2	Double Trio	Extended Scan	Choose the runners to finish first, second, and third in any order in each of two designated races
TR3	Triple Trio	Extended Scan	Choose the runners to finish first, second, and third in any order in each of three designated races
XD	Extra Double	Double Leg Pool	Choose the runner to finish first in two designated races. Normally, the races are separated by one race, but also used in conjunction with DD pool simultaneously.

Code	Name	Transfer	Description
QQE	Quinella-Quinella-Exacta	Double Leg Symmetric Pool (1st and 2nd parts) Double Leg Pool (3rd part)	Choose two runners in each of three designated races, to finish first and second in either order in the first and second races, exact order in the third race. Only two runners are chosen in each wager, with an exchange from the first to the second race, then an exchange from the second to the third race.
QEE	Quinella-Exacta-Exacta	Double Leg Symmetric Pool (1st parts) Double Leg Pool (2nd and 3rd part)	Choose two runners in each of three designated races, to finish first and second in either order in the first race, exact order in the second and third races. Only two runners are chosen in each wager, with an exchange from the first to the second race, then an exchange from the second to the third race.
EEE	Exacta-Exacta-Exacta	Double Leg Pool (Each of three parts)	Choose two runners in each of three designated races, to finish first and second in exact order. Only two runners are chosen in each wager, with an exchange from the first to the second race, then an exchange from the second to the third race.

Breed Code Definitions

Breed Code	Breed
AP	Appaloosa
AR	Arabian
DG	Dog
HA	Harness (Trotters/Pacers)
MU	Mule
PA	Paint
QU	Quarter Horse
TH	Thoroughbred
MX	Mixed Breed
UN	Unknown
SP	Special
JO	Jockey
OT	Other
SF	Sports