



## Web Services Interface Specification

Version 1.22

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### **3 About this Document**

This document describes the SOAP interface to the OpenTote Wagering system. It describes how to make the connection to a OpenTote system and how to exchange data between the Merchant site and the OpenTote server, using the SOAP communication protocol that enables the user to exchange XML-based information over HTTP/HTTPS.

This document is part of a package of documents and files for use by Merchants in managing their connection to OpenTote servers. It makes reference to these documents as necessary, to avoid duplication.

#### **Document Structure**

In section 5 the mechanics of establishing a connection are described. Section 7 lays out each of the Web Services calls that a Merchant application can make, with the possible responses from the OpenTote server. Section 8 gives samples of the SOAP requests.

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This document can only serve as a description of the web services processes and is subject to modifications.

## 4 Change History

| Version | Changes   |
|---------|---|
| 0.9     | Initial release   |
| 1.0     | First Revision  |
| 1.1     | Made transaction-id in response header optional. Revised list of Pool Provider Types to Pool Providers. Added references to 'Coded Values' section where appropriate. Added missing Race Statuses. Added multi-leg-dividends element. |
| 1.2     | Added optional merchant-reference to Place Bet and Cash Ticket.   |
| 1.3     | Added Irish and UK races error codes.   |
| 1.4     | Removed incorrect UK races error codes. Marked account-owner-id as optional and deprecated (examples have been updated).  |
| 1.5     | Added "provider" attribute to pool in racecard response. Added table listing provider types to Coded Values section. Added stake to where a pp is quoted.   |
| 1.6     | Added jockey-colors and jockey-colors-image to runner information.  |
| 1.7     | Added PING request.   |
| 1.8     | Added has-refund to cash ticket response, marked refunded and refundable as deprecated.   |
| 1.9     | Added paying-only field to cash ticket request.   |
| 1.10    | Added money-distribution to pool information.   |
| 1.11    | Added pool status of CF for Cashing Failure.  |
| 1.12    | Added description of target-race in racecard request.   |
| 1.13    | Update 9.6 – Pool Provider Codes with latest values.  |
| 1.14    | Added "deferred" status to tickets.   |
| 1.15    | Updated available Pool Status(9.4)  |
| 1.16    | Added card-type attribute to card element   |
| 1.17    | Added response/error codes  |
| 1.18    | Added batch betting, fields for "auth" and "community"  |
| 1.19    | Added merchant-reference to cashticket response. Added track-code to card data. Added permutations to pool data. Added permutations code values.  |
| 1.20    | Added cancel-bet  |
| 1.21    | Added ticket enquiry and balance enquiry requests   |

## 5 Connection Process

The OpenTote interface consists of HTTP POST transactions. The content passed each way is in SOAP format, as laid out in sections 6 and 7.

### 5.1 Connection Steps

These are the steps by which a connection is made and a transaction processed:

1. A request is POSTed to the OpenTote server. The POST data is a SOAP string containing authentication and request details. The SOAP format is described in section 6.
2. The OpenTote server validates the sending IP address. If this validation fails, the server will respond with an appropriate error message.
3. The OpenTote server validates the structure of the SOAP request. If this validation fails, the server will respond with an appropriate error message.
4. The OpenTote server validates that the authentication credentials supplied allow the transaction to proceed. If this validation fails, the server will respond with an appropriate error message. *NOTE: This step may be omitted in certain configurations.*
5. If the validation succeeds, the OpenTote server performs the requested transaction and responds with the results of the action.
6. Responses are coded as a SOAP string. The SOAP format is described in section 6.

### 5.2 Using the Web services

#### 5.2.1 Gathering Racecard Information

Initially, you should find out what racecards are available during the day. You do this by performing a Card Information request specifying `card-level-only = true`.

```
<soapenv:Body>
  <bet:request-card-request>
    <bet:card-level-only>true</bet:card-level-only>
  </bet:request-card-request>
</soapenv:Body>
```

The information returned is suitable for presenting a summary of what cards are available. When you wish to get information on a specific card, perform a Card Information request specifying the card OID (which you derived from the response to the original request).

```
<soapenv:Body>
  <bet:request-card-request>
    <bet:card-oid>1234</bet:card-oid>
  </bet:request-card-request>
</soapenv:Body>
```

This will return all information for the card, including races, runners and pools. To keep your local version of the card up-to-date, include a timestamp in the Card Information request. The response will then include those changes that have occurred since the timestamp. Providing the timestamp from card.last-updated attribute in the since element will return said changes.

```
<soapenv:Body>
  <bet:request-card-request>
    <bet:card-oid>1234</bet:card-oid>
    <bet:since>20080423 18:13:47</bet:since>
  </bet:request-card-request>
</soapenv:Body>
```

### 5.2.2 Placing a wager

The available pools are shown for each racecard. To determine which pools are available for a specific race, find the pools where the first leg (sequence="1") has the appropriate tote-race-number value.

Any pool with a status of "O" is available for wagering. The tote defines limits for minimum and maximum stake values on the pool. The other rules for constructing the bet are the standard rules for the bet type, which is identified by the pool code. Definitions of bet construction by pool are outside of the scope of this document.

Once the bet is constructed, use the Bet request to place the bet, specifying the OID of the desired pool. For sites configured to perform virtual account wagering, use the External Bet request. The information supplied in both instances is similar, although the structure varies.

```
<bet:place-bet-request>
  <bet:pool-oid>1234</bet:pool-oid>
  <bet:stake>2.0</bet:stake>
  <bet:selection>1,2/3,4</bet:selection>
</bet:place-bet-request>
```

The response will give the status of the Bet (success or a failure code) and the ticket serial number (TSN), which is the unique identifier of the Bet<sup>1</sup>. When paying opens for the pool, the ticket will be automatically cashed. You request the status of the ticket using the Statement request.

---

<sup>1</sup> For some tote systems, the TSN is unique only for a certain number of days. In these systems the TSN is composed of a 3-digit session number (which increments daily) and a unique number within the session. The session number will typically be reused after 2-3 years.

## 6 Web Services Method Structure

Requests and responses are structured in XML.

### 6.1 The Structure of a Request

A request has two parts: the *header* and the *request*. The *header* part of the request contains merchant authentication information whereas the *request* part contains request-specific information.

A typical OpenTote request looks like this:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:bet="http://www.i-neda.com/namespace/xsd/opentote_webservice">
  <soapenv:Header>
    <bet:identity>
      <bet:merchant-id>4011</bet:merchant-id>
      <bet:password>asdgGG2U</bet:password>
      <bet:product-code>ABC123</bet:product-code>
    </bet:identity>
  </soapenv:Header>
  <soapenv:Body>
    <bet:request>
      <!-- request-specific element -->
    </bet:request>
  </soapenv:Body>
</soapenv:Envelope>
```

#### 6.1.1 Request Header Parameters

| Name              | Type    | Description   |
|-------------------|---------|---|
| merchant-id       | Numeric | Unique OpenTote merchant ID   |
| merchant-password | Alpha   | Merchant's OpenTote password . Required if the Merchant is configured on the OpenTote system to authenticate with password. |
| product-code      | Alpha   | The OpenTote product code. You will be provided with this information.  |

### 6.2 The Structure of a Response

Unlike the request the response has one part only. A typical OpenTote response looks like this:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
```

```

<soap:Body xmlns:ns1="http://www.i-neda.com/namespace/xsd/opentote_webservice">
  <response>
<!-- Response-specific element -->
  </response>
</soap:Body>
</soap:Envelope>

```

### 6.2.1 XML Response Parameters

| Name                        | Type    | Optional? | Description  |
|-----------------------------|---------|-----------|--|
| request-type                | Alpha   | N         | The request type code defined in the request message.  |
| status-code                 | Numeric | N         | A 4 digit code indicating the outcome of the request.  |
| status-message              | Alpha   | N         | Textual description of the outcome of the request.   |
| transaction-id              | Numeric | Y         | Internal OpenTote transaction id for the operation just performed.   |
| partner-status-code         | Alpha   | Y         | Where the transaction has required interaction with a third party, their transaction status code is supplied. This is useful for tracking external problems. |
| partner-transaction-message | Alpha   | Y         | The third party's textual description of the outcome of the request.   |
| partner-transaction-id      | Alpha   | Y         | Where the transaction has required interaction with a third party, their transaction reference is supplied. This is useful for tracking external problems.   |

## 7 Web Services Methods

### 7.1 Ping

This request a basic means of identifying whether or not the OpenTote server is running and accessible.

#### 7.1.1 Request Parameters

```
<bet: ping-request/>
```

#### 7.1.2 Response Structure

```
< ping-response/>
```

### 7.2 Card Information

This service supplies racecard and pool information. It comes in two general forms. In the first, summary information about all available racecards are returned. This form is useful to determine what racecards are available. In the second, detailed information about a specific racecard is returned.

Each card is tagged with a time stamp. This time stamp can be used in subsequent requests to retrieve updates since the last request.

#### 7.2.1 Request Parameters

```
<bet:request-card-request>  
  <bet:summary-only>1</bet:summary-only>  
  <bet:card-level-only>0</bet:card-level-only>  
  <bet:show-pools>1</bet:show-pools>  
</bet:request-card-request>
```

| Parameter        | Format  | Mandatory | Description  |
|------------------|---------|-----------|--|
| card-oid         | integer | No        | The unique identifier of the racecard for which information is required. This should be one of the set of card oids presented in the summary information response. |
| tote-race-number | integer | No        | The tote race number of a specific race  |

| Parameter       | Format                | Mandatory | Description  |
|-----------------|-----------------------|-----------|--|
|                 |                       |           | within the card. Must be used in conjunction with card-oid. This will return race-level information for that race only.  |
| target-race     | boolean               | No        | Optionally used in conjunction with tote-race-number. Special target race restriction, limit to the pools for the race and the races involved in these pools.  |
| pool-oid        | integer               | No        | The unique identifier of a pool for which information is required. This should be one of the set of pool oids presented under a specific card. As of the current web service revision, the pool oid can be used in conjunction with card-oid. May also be worthwhile turning off show-races and show-runners if only pool information is required. |
| card-level-only | boolean               | No        | If true, a summary of the racecard(s) will be returned (at the level of the card element only). If false, all race, runner and pool information will be returned. Equivalent to show-races=false + show-pools=false  |
| race-level-only | boolean               | No        | If true, no runner information will be returned. Equivalent to show-runners=false  |
| summary-only    | boolean               | No        | If true, a reduced set of card/race/runner information will be returned. This is useful to reduce the volume of data transferred where only the bare essential information is required.  |
| show-races      | boolean               | No        | If false, no race or runner information will be returned.  |
| show-pools      | boolean               | No        | If false, no pool information will be returned.  |
| show-runners    | boolean               | No        | If false, no runner information will be returned.  |
| since           | CCYYMMDD<br>HH:MM:SS. | No        | If set, only changes since the time stamp will be returned. This timestamp   |

| Parameter | Format | Mandatory | Description             |
|-----------|--------|-----------|-------------------------|
|           | MS     |           | is in the GMT timezone. |

### 7.2.2 Response Structure

```

<request-card-response xmlns="...">
  <cards>
    <card card-oid="2243" card-name="Leopardstown" card-date="20080501" ...>
      <race tote-race-number="1" ...>
        <runner win-odds="1/9" .../>
        ...
      </race>
      ...
    <pool pool-oid="80647" pool-code="WIN" ...>
      <leg tote-race-number="1" sequence="1" card-oid="2243"/>
      ...
    </pool>
    ...
  </card>
  <card card-oid="2345" ...>
  ...
  </card>
</cards>
</request-card-response>

```

Many of the race and runner attributes are only valid if the racecard information is sourced from Equibase. Many of these attributes are coded. For more information on these attributes, please visit [www.equibase.com](http://www.equibase.com).

| Element | Attribute   | Format       | Description  |
|---------|-------------|--------------|--|
| cards   |             |              | Root element   |
| card    |             |              | Information on a specific race card                                    |
|         | card-oid    | integer      | The unique identifier of this race card                                |
|         | card-name   | alphanumeric | The name of this race card (generally the meeting name)                |
|         | track-code  | alphanumeric | An OpenTote configured code for the course where the event is running. |
|         | card-date   | date         | The date of the card in the format YYYYMMDD                            |
|         | ticket-name | alphanumeric | A shortened name of the race card,                                     |

| Element | Attribute           | Format       | Description  |
|---------|---------------------|--------------|--|
|         |                     |              | useful when displaying a summarised form of the card list  |
|         | mtp                 | alphanumeric | the number of minutes to post, if available  |
|         | post-time           | alphanumeric | the scheduled time of day of the first race. Note that this is a free-format field   |
|         | status              | alphanumeric | The status of the card   |
|         | card-type           | alphanumeric | The type of card e.g. HORSE, FOOTBALL, DOG   |
|         | notes               | alphanumeric | <i>reserved for future use</i>   |
|         | current-race        | integer      | The next race number to go off (tote-race-number)  |
|         | current-race-status | alphanumeric | The status of the current race   |
|         | last-updated        | timestamp    | When this card XML was produced  |
| race    |                     |              | Information on a specific race   |
|         | tote-race-number    | integer      | The number of this race on the tote  |
|         | changed             | boolean      | True if this race has changed since the 'since' request parameter. If false, no more race-level information will be displayed  |
|         | display-race-number | integer      | The display version of the race number. This can be different from the tote-race-number in situations where the card is simulcast from another tote and only every alternate race is carded on the local tote. |
|         | race-name           | alphanumeric | The name of the race, if available   |
|         | post-time           | alphanumeric | The scheduled post time of the race  |
|         | status              | alphanumeric | The race status  |
|         | num-runners         | integer      | The number of runners in the race. This does not include coupled or field runners  |
|         | race-description    | alphanumeric | A free-format description of the race, including conditions of entry   |

| <b>Element</b> | <b>Attribute</b>      | <b>Format</b> | <b>Description</b>  |
|----------------|-----------------------|---------------|---|
|                | breed-type            | alphanumeric  | The horse breed allowed to run the race   |
|                | race-type             | alphanumeric  | The type of race  |
|                | race-type-description | alphanumeric  | A short description of the type of race   |
|                | restrictions          | alphanumeric  | A list of restrictions on race entries  |
|                | sex-restriction       | alphanumeric  | Any sex restriction on race entries   |
|                | age-restriction       | alphanumeric  | Any age restriction on race entries   |
|                | currency              | ISO 4217      | The host currency of the race, for purse and claiming price information   |
|                | purse                 | decimal       | The race purse  |
|                | min-claiming-price    | decimal       | The minimum claiming price  |
|                | max-claiming-price    | decimal       | The maximum claiming price  |
|                | distance              | alphanumeric  | The race distance   |
|                | distance-text         | alphanumeric  | A short description of the race distance  |
|                | surface               | alphanumeric  | The track surface   |
|                | course-type           | alphanumeric  | The race course type  |
|                | race-grade            | alphanumeric  | The race grade  |
|                | chute-starts          | alphanumeric  |   |
|                | conditions            | alphanumeric  | Track conditions  |
|                | has-coupled-runners   | boolean       | True if the race has coupled (or field) runners   |
|                | published-bet-types   | alphanumeric  | A list of published bet types. This should be taken as a guide to what is available; do not expect it to be accurate. |
|                | last-updated          | timestamp     | When the race-level information was last updated  |
| runner         |                       |               | Information on a specific runner within a race  |
|                | program-number        | alphanumeric  | The runner's program number. This is unique to the runner.  |

| Element | Attribute               | Format       | Description  |
|---------|-------------------------|--------------|--|
|         | changed                 | boolean      | True if this runner has changed since the 'since' request parameter. If false, no more runner-level information will be displayed  |
|         | betting-interest-number | integer      | The runner's number on the tote. Coupled and field runners will share the same betting interest number, so a wager on any of a set of coupled runners (1, 1a, 1b, etc.) will be a wager on the entire set. |
|         | runner-name             | alphanumeric | The name of the runner (running-as-name)   |
|         | position                | alphanumeric | <i>deprecated, use post-position</i>   |
|         | finish-position         | alphanumeric | The runner's finish position, or 0 if the runner did not finish in the paying positions (generally 1-5). If the runner is scratched, this may be "-".  |
|         | coupled-flag            | alphanumeric | Y if the runner is coupled   |
|         | jockey-change           | alphanumeric | Last minute change to jockey   |
|         | weight-change           | alphanumeric | Last minute change to weight carried   |
|         | medication-change       | alphanumeric | Last minute change to medication   |
|         | equipment-change        | alphanumeric | Last minute change to equipment  |
|         | running-as-name         | alphanumeric | The runner's running-as name   |
|         | post-position           | alphanumeric | The runner's post position   |
|         | foaling-date            | integer      | The year the runner was foaled   |
|         | area-foaled             | alphanumeric | Where the runner was foaled  |
|         | color                   | alphanumeric | The runner's colour  |
|         | jockey-colors           | alphanumeric | A description of the Jockey's colours (silks).   |
|         | jockey-colors-image     | alphanumeric | A filename for an image of the jockey-colors.  |
|         | breed                   | alphanumeric | The runner's breed   |
|         | age                     | integer      | The runner's age   |

| Element | Attribute         | Format       | Description   |
|---------|-------------------|--------------|---|
|         | sire              | alphanumeric | The name of the runner's sire   |
|         | dam               | alphanumeric | The name of the runner's dam  |
|         | dam-sire          | alphanumeric | The name of the sire of the runner's dam  |
|         | pre-scratched     | alphanumeric | Y if the runner is pre-scratched  |
|         | weight-carried    | integer      | The weight carried  |
|         | weight-unit       | alphanumeric | The unit of weight carried  |
|         | equipment         | alphanumeric | Equipment codes   |
|         | medication        | alphanumeric | Medication codes  |
|         | claiming-price    | decimal      | The runner's claiming price   |
|         | trainer           | alphanumeric | The runner's trainer  |
|         | owner             | alphanumeric | The runner's owner  |
|         | jockey            | alphanumeric | The jockey who will ride the runner   |
|         | breeder           | alphanumeric | The runner's breeder  |
|         | morning-line-odds | alphanumeric | The runner's morning-line-odds (3/1)  |
|         | driver-rating     | alphanumeric | The jockey driver rating  |
|         | comment           | alphanumeric | Comments on this runner   |
|         | last-updated      | timestamp    | When the runner information was last updated  |
|         | status            | alphanumeric | The runner status. (See <a href="#">'Coded Values'</a> )  |
| pool    |                   |              | Information on a pool   |
|         | pool-oid          | integer      | The unique identifier of the pool   |
|         | changed           | boolean      | True if this pool has changed since the 'since' request parameter. If false, no more pool-level information will be displayed |
|         | pool-code         | alphanumeric | The unique pool code available for wagering   |
|         | status            | alphanumeric | The pool status. (See <a href="#">'Coded Values'</a> )  |
|         | currency          | ISO 4217     | The currency for which bets can be taken  |
|         | min-stake         | decimal      | The minimum valid stake   |
|         | max-stake         | decimal      | The maximum valid stake   |

| Element | Attribute            | Format                        | Description   |
|---------|----------------------|-------------------------------|---|
|         | allows-penny-betting | boolean                       | True if the pool allows penny betting (otherwise the stake must be a multiple of the currency unit)   |
|         | special-min-stake    | decimal                       | The special minimum stake. This value, if greater than zero, overrides the min-stake if the number of combinations in the bet is equal to or greater than the special-min-combos value. |
|         | special-min-combos   | integer                       | The minimum number of combinations in the bet necessary to apply the special-min-stake.   |
|         | special-max-stake    | decimal                       | The special maximum stake. This value, if greater than zero, overrides the max-stake if the number of combinations in the bet is equal to or greater than the special-max-combos value. |
|         | special-max-combos   | integer                       | The minimum number of combinations in the bet necessary to apply the special-max-stake.   |
|         | last-updated         | timestamp                     | When the pool information was last updated  |
|         | type                 | alphanumeric                  | The pool type. (See <a href="#">'Coded Values'</a> )  |
|         | provider             | alphanumeric                  | The pool provider. (See <a href="#">'Coded Values'</a> )  |
|         | boxable              | boolean                       | True if the pool can be boxed   |
|         | unboxable            | boolean                       | True if the pool can be unboxed   |
|         | box-pool-oid         | integer                       | The identifier of the associated boxed pool   |
|         | unbox-pool-oid       | integer                       | The identifier of the associated unboxed pool   |
|         | permutations         | alphanumeric, comma separated | A list of comma-separated permutations supported on this pool. Currently, the only value used is "FAV", where available.  |
| leg     |                      |                               | Information about a leg of a pool   |
|         | sequence             | integer                       | The sequence number of the leg, starting from 1   |

| <b>Element</b>       | <b>Attribute</b>        | <b>Format</b> | <b>Description</b>  |
|----------------------|-------------------------|---------------|---|
|                      | card-oid                | integer       | The identifier of the card hosting the race that this leg represents                          |
|                      | tote-race-number        | integer       | The number of the race that this leg represents   |
| single-leg-dividends |                         |               | Information about the dividends for a single-leg pool   |
|                      | pool-total              | decimal       | The total amount available in the pool  |
| runner               |                         |               | Dividend information for a single-leg pool runner   |
|                      | betting-interest-number | integer       | The betting interest number of the runner   |
|                      | stake                   | decimal       | The stake for which the pp is calculated.   |
|                      | hi-pp                   | decimal       | The high-end probable payout for this runner (place pool), or "-" if the runner is scratched. |
|                      | lo-pp                   | decimal       | The low-end probable payout for this runner (place pool), or "-" if the runner is scratched.  |
|                      | odds                    | alphanumeric  | The dividend rendered as odds (3/1), or "-" if the runner is scratched.                       |
|                      | total                   | decimal       | The pool total for this runner, or "-" if the runner is scratched.                            |
| two-leg-dividends    |                         |               | Information about the dividends for a two-leg pool  |
|                      | pool-total              | decimal       | The total amount available in the pool  |
| multi-leg-dividends  |                         |               | Information about the dividends for a multi-leg pool  |
|                      | pool-total              | decimal       | The total amount available in the pool  |
| runner               |                         |               | Dividend information for a single-leg pool runner   |
|                      | betting-interest-number | integer       | The betting interest number of the runner   |
| with                 |                         |               | Information about the second runner combined with this runner                                 |
|                      | betting-interest-       | integer       | The betting interest number of the  |

| Element            | Attribute               | Format       | Description  |
|--------------------|-------------------------|--------------|--|
|                    | number                  |              | second runner  |
|                    | Stake                   | decimal      | The stake for which a supplied pp is calculated  |
|                    | pp                      | decimal      | The probable payout for this combination of runners  |
|                    | odds                    | alphanumeric | The dividend rendered as odds (3/1)  |
|                    | total                   | decimal      | The pool total for this combination of runners   |
| payout             |                         |              | Information about the payout for this pool   |
|                    | stake                   | decimal      | The unit stake used to calculate the payout  |
|                    | amount                  | decimal      | The amount paid out for a winning bet  |
|                    | betting-interest-list   | alphanumeric | A list of the winning runners, with legs delimited by forward-slash (/), e.g. 4/3  |
|                    | number-to-win           | integer      | The number of correct legs that is required to win the payout. For example, some Pick-6 pools will also pay out on any 5 correct selections. |
| willpay            |                         |              | Information about the will-pays on a multi-race pool   |
|                    | betting-interest-list   | alphanumeric | A list of the winning runners in the previous legs of the pool, with legs delimited by forward-slash (/), e.g. 4/3                           |
| money-distribution |                         |              | Information about the will-pays on a multi race pool   |
|                    | betting-interest-number | number       | The betting interest number of the runner in the final leg.  |
|                    | amount                  | decimal      | The amount that will be paid if the runner wins  |
| with               |                         |              | Describes the will pay if the specified runner in the last leg wins  |
|                    | betting-interest-number | integer      | The betting interest number of the runner in the last leg  |
|                    | stake                   | decimal      | The unit stake used to calculate the willpay   |

| Element | Attribute     | Format  | Description   |
|---------|---------------|---------|---|
|         | amount        | decimal | The amount that will be paid if the runner wins                                 |
|         | number-needed | integer | The number of correct legs needed to win. This will be -1 if all legs must win. |

### 7.2.3 A note on the summary-only parameter

The summary-only parameter is useful to pare down the non-essential card/race/runner information returned, reducing the size of the response. If specified, the following information will be returned:

| Element | Attributes  |
|---------|---|
| card    | card-oid<br>card-name<br>ticket-name<br>card-date<br>mtp<br>post-time<br>status<br>current-race<br>current-race-status<br>last-updated        |
| race    | tote-race-number<br>display-race-number<br>race-name<br>post-time<br>status<br>num-runners<br>last-updated                                    |
| runner  | program-number<br>betting-interest-number<br>runner-name<br>finish-position<br>morning-line-odds<br>running-as-name<br>status<br>last-updated |

## 7.3 Bet

The web services are only configured for virtual account wagering, i.e. the customer accounts are held outside of the OpenTote system.

### 7.3.1 Request XML structure

```
<bet:place-bet-request>
  <bet:pool-oid>1234</bet:pool-oid>
  <bet:stake>2.0</bet:stake>
  <bet:selection>1,2/3</bet:selection>
  <bet:currency>EUR</bet:currency>
</bet:place-bet-request>
```

| Element            | Format       | Mandatory | Description   |
|--------------------|--------------|-----------|---|
| pool-oid           | integer      | Yes       | The unique identifier of the pool into which the wager will be placed. This id can be gained from a call to the Card Information service.   |
| stake              | decimal      | Yes       | The bet stake, in the currency unit expected by the pool. For example, a \$1 stake is 1.0, while a 10c stake is 0.1.  |
| selection          | alphanumeric | Yes       | The runners (betting-interest-number) selected in each leg of the wager. The rule for constructing this string is, (1) delimit the runners within the leg by commas, (2) delimit the legs with forward-slash. For example, a trifecta combination: "1,2,3/3,4,5/6,7,8". |
| account-owner-id   | integer      | No        | Deprecated and ignored. Only supported for backward compatibility.  |
| account-id         | integer      | No        | Deprecated and ignored. Only supported for backward compatibility.  |
| auth               | string       | No        | PIN or other authentication token.  |
| merchant-reference | alphanumeric | No        | A merchant-generated, unique identifier for a bet. If the same value is supplied more than once, the bet will be rejected.  |
| bet-option         | integer      | No        | The bet modifier to apply e.g. 8 for banker. (See ' <a href="#">Coded Values</a> ')   |

| Element   | Format       | Mandatory | Description  |
|-----------|--------------|-----------|--|
| banker    | integer      | No        | The runner number to use as the banker for the bet when the bet modifier is set to banker  |
| currency  | alphanumeric | No        | The currency unit of the bet stake. Any currency set up in OpenTote can be used. OpenTote converts these currencies to the pool currency. Important: if the code is invalid, it will be ignored. |
| community | alphanumeric | No        |  |

### 7.3.2 Response Structure

```
<place-bet-response xmlns="...">
  <tsn>2300EC001454</tsn>
  <cost>1.00</cost>
</place-bet-response>
```

| Element | Attribute | Format       | Description                           |
|---------|-----------|--------------|---------------------------------------|
| tsn     |           | alphanumeric | The ticket serial number (on success) |
| cost    |           | decimal      | The cost of the bet                   |

## 7.4 Batch Bet

This request submits a collection of wagers for background processing.

Batches have a batch-id, which identifies the batch for the batch-bet-enquiry (see Batch Bet Enquiry below). Sending multiple batch requests with the same ID appends to the batch. This can be used to create a batch larger than the per-request limit of 1000 items.

The batch-bet structure is identical to the place-bet-request XML element structure (see Bet above), with one important caveat. The merchant-reference element is mandatory. This element identifier is used as the bet key in the response to the BatchBetEnquiry request. If the element is not set in any single bet, or is non-unique, the entire batch will be rejected.

The structure of the merchant reference is left up to the merchant. There is enough space allocated to it to allow for a GUID (globally unique id). Alternatively, the merchant could use the

structure {batch-id}-{bet-number}, where bet-number is an incrementing number in the batch sequence.

#### 7.4.1 Request XML structure

```

<bet:batch-bet-request>
  <bet:batch-id>12345</bet:batch-id>
  <bet:batch-bet>
    <bet:merchant-reference>12345-1</bet:merchant-reference>
    <bet:pool-oid>1234</bet:pool-oid>
    <bet:stake>2.0</bet:stake>
    <bet:selection>1,2/3</bet:selection>
    <bet:currency>EUR</bet:currency>
  </bet:batch-bet>
  <bet:batch-bet>
    ...
</bet:batch-bet-request>

```

| Element   | Format         | Mandatory | Description  |
|-----------|----------------|-----------|--|
| batch-id  | alphanumeric   | Yes       | The identifier of the batch. If a batch-id is reused, the bets will be appended to the existing batch. |
| batch-bet | element (1..*) | Yes       | A wager with the same elements as the bet:place-bet-request structure                                  |

#### batch-bet element contents:

| Element   | Format       | Mandatory | Description   |
|-----------|--------------|-----------|---|
| pool-oid  | integer      | Yes       | The unique identifier of the pool into which the wager will be placed. This id can be gained from a call to the Card Information service.   |
| stake     | decimal      | Yes       | The bet stake, in the currency unit expected by the pool. For example, a \$1 stake is 1.0, while a 10c stake is 0.1.  |
| selection | alphanumeric | Yes       | The runners (betting-interest-number) selected in each leg of the wager. The rule for constructing this string is, (1) delimit the runners within the leg by commas, (2) delimit the legs with forward-slash. For example, a trifecta combination: "1,2,3/3,4,5/6,7,8". |

| Element            | Format       | Mandatory | Description  |
|--------------------|--------------|-----------|--|
| account-owner-id   | integer      | No        | Deprecated and ignored. Only supported for backward compatibility.   |
| account-id         | integer      | No        | Deprecated and ignored. Only supported for backward compatibility.   |
| auth               | string       | No        | PIN or other authentication token.   |
| merchant-reference | alphanumeric | Yes       | A merchant-generated, unique identifier for a bet. If the same value is supplied more than once, the bet will be rejected.   |
| bet-option         | integer      | No        | The bet modifier to apply e.g. 8 for banker. (See <a href="#">'Coded Values'</a> )   |
| banker             | integer      | No        | The runner number to use as the banker for the bet when the bet modifier is set to banker  |
| currency           | alphanumeric | No        | The currency unit of the bet stake. Any currency set up in OpenTote can be used. OpenTote converts these currencies to the pool currency. Important: if the code is invalid, it will be ignored. |
| community          | alphanumeric | No        |  |

#### 7.4.2 Response XML Structure

```

<bet:batch-bet-response>
  <bet:batch-id>12345</bet:batch-id>
  <bet:num-batch-bets>2</bet:num-batch-bets>
</bet:batch-bet-response>

```

| Element        | Attribute | Format       | Description   |
|----------------|-----------|--------------|---|
| batch-id       |           | alphanumeric | The identifier of the batch.  |
| num-batch-bets |           | integer      | The number of bets in the batch request. The Merchant should use this to validate that all bets have been identified. |

## 7.5 Batch Bet Enquiry

This request is used to determine that all bets have been placed, and to gather the outcome of each wager, such as ticket serial number and cost.

### 7.5.1 Request XML structure

```
<bet:batch-bet-enquiry-request>
  <bet:batch-id>12345</bet:batch-id>
  <bet:show-bets>true</bet:show-bets>
</bet:batch-bet-enquiry-request>
```

| Parameter | Format       | Mandatory | Description  |
|-----------|--------------|-----------|--|
| batch-id  | alphanumeric | Yes       | The identifier of the batch  |
| show-bets | true/false   | Yes       | If true, the bet details are returned. If false, just the counts of placed/rejected/not-yet-placed will be returned. |

### 7.5.2 Response XML Structure

```
<bet:batch-bet-enquiry-response>
  <bet:batch-id>12345</bet:batch-id>
  <bet:placed>2</bet:placed>
  <bet:rejected>0</bet:rejected>
  <bet:not-yet-placed>0</bet:not-yet-placed>
  <bet:batch-bet>
    <bet:merchant-reference>12345-1</bet:merchant-reference>
    <bet:tsn>AB123BA3245</bet:tsn>
    <bet:cost>1.00</bet:cost>
    <bet:currency>EUR</bet:currency>
    <bet:status-code>0</bet:status-code>
    <bet:status-message>Success</bet:status-message>
    <bet:transaction-id>5636382</bet:transaction-id>
  </bet:batch-bet>
  <bet:batch-bet>
    ...
</bet:batch-bet-enquiry-response>
```

| Element  | Attribute | Format       | Description  |
|----------|-----------|--------------|--|
| batch-id |           | alphanumeric | The identifier of the batch                          |
| placed   |           | integer      | The number of bets successfully placed               |
| rejected |           | integer      | The number of bets rejected by the tote or OpenTote. |

| Element        | Attribute | Format  | Description   |
|----------------|-----------|---------|---|
| not-yet-placed |           | integer | The number of bets still queued to be placed. When this is zero, the entire batch has been processed. |
| batch-bet      |           | element | Each batch-bet element describes a single bet   |

**batch-bet element contents:**

| Element            | Attribute | Format       | Description   |
|--------------------|-----------|--------------|---|
| merchant-reference |           | alphanumeric | The merchant's unique identifier of the bet request           |
| tsn                |           | alphanumeric | The ticket serial number (if the bet was successfully placed) |
| cost               |           | decimal      | The cost of the bet   |
| currency           |           | alphanumeric | The currency of the cost (3-letter ISO currency code)         |
| status-code        |           | integer      | The 4 digit code indicating the outcome of the bet attempt    |
| status-message     |           | integer      | Textual description of the outcome of the bet attempt         |
| transaction-id     |           | integer      | Internal OpenTote transaction id for the bet attempt          |

## 7.6 Ticket Information

This service describes a ticket, including whether it paid and/or was refunded.

A single ticket can be retrieved either by tsn or by transaction id. If pool-oid is used, all cashed tickets for this specific pool will be provided.

### 7.6.1 Request Parameters

```
<bet:cash-ticket-request>
  <bet:tsn>C9012D54144F</bet:tsn>
</bet:cash-ticket-request>
```

| Parameter | Format | Mandatory | Description |
|-----------|--------|-----------|-------------|
|-----------|--------|-----------|-------------|

| Parameter          | Format       | Mandatory | Description  |
|--------------------|--------------|-----------|--|
| tsn                | alphanumeric | **        | The ticket serial number   |
| transaction        | integer      | **        | The OpenTote transaction id  |
| merchant-reference | alphanumeric | **        | The merchant-supplied identifier for a bet.                                    |
| pool-oid           | integer      | **        | The pool id  |
| paying-only        | boolean      | No        | Can be used in conjunction with pool-oid to return only tickets with a payout. |

\*\* You must supply one and only one of **tsn**, **transaction**, **merchant-reference** or **pool-oid**.

### 7.6.2 Response Structure

```
<cash-ticket-response xmlns="...">
  <ticket refunded="false"
    has-refund="false"
    refundable="false"
    reconciled="true"
    payout="true"
    paid="true"
    client-cashed="true"
    cancelled="false"
    account="true"
    tsn="C9012D54144F"
    transaction-id="50040"
    account-owner-id="10707">
    <wager selections="1"
      race-date="2008-04-25"
      meeting="Leopardstown"
      leg-races="7"
      bet-type="WIN"
    />
    <stake currency="EUR">1.00</stake>
    <cost currency="EUR">1.00</cost>
  <!-- if payout=true -->
    <payout currency="EUR">6.60</payout>
  <!-- end if -->
  <!-- if refund=true -->
    <refund currency="EUR">1.00</refund>
  <!-- end if -->
  <!-- if deferred=true -->
    <deferred>true</deferred>
  <!-- end if -->
</cash-ticket-response>
```

</ticket>  
</cash-ticket-response>

| Element  | Attribute        | Format        | Description  |
|----------|------------------|---------------|--|
| ticket   | tsn              | alphanumeric  | The ticket serial number   |
|          | transaction-id   | integer       | The OpenTote transaction id  |
|          | account-owner-id | integer       | The OpenTote account owner id  |
|          | account          | boolean       | Whether this is an account bet (false means it's a cash bet)   |
|          | reconciled       | boolean       | True if the ticket has been reconciled.  |
|          | cancelled        | boolean       | True if the ticket has been cancelled.   |
|          | payout           | boolean       | True if this is a winning ticket.  |
|          | paid             | boolean       | True if the ticket has been paid.  |
|          | has-refund       | boolean       | True if there are refunds on this ticket.  |
|          | refunded         | boolean       | Deprecated. True if the ticket has been refunded.  |
| wager    | meeting          | alphanumeric  | The name of the meeting  |
|          | race-date        | yyyy-mm-dd    | The date of the race   |
|          | bet-type         | alphanumeric  | The bet type code (such as WIN)  |
|          | leg-races        | 1/2/3         | The race number for each leg of the bet  |
|          | selections       | 1/1,2,3/4     | The runner selections for each leg   |
| stake    |                  | decimal       | The value of the stake   |
|          | currency         | currency code | The 3-letter ISO currency code   |
| cost     |                  | decimal       | The cost of the ticket   |
|          | currency         | currency code | The 3-letter ISO currency code   |
| payout   |                  | decimal       | The value paid out<br>This is only present if payout="true"  |
|          | currency         | currency code | The 3-letter ISO currency code   |
| refund   |                  | decimal       | The value refunded<br>This is only present if refund="true"  |
|          | currency         | currency code | The 3-letter ISO currency code   |
| deferred |                  | boolean       | True if the ticket has a payout but the amount is not available. Assume that this is false if the element is absent. |

## 7.7 Cancel Bet

This method allows you to cancel a previously placed wager. Please note, not all totes support this operation. The tote may also restrict access to this service for commercial reasons.

### 7.7.1 Request XML structure

```
<bet:cancel-bet-request>  
  <bet:tsn>C9012D54144F</bet:tsn>  
</bet:cancel-bet-request>
```

| Parameter          | Format       | Mandatory | Description                                 |
|--------------------|--------------|-----------|---|
| tsn                | alphanumeric | **        | The ticket serial number                    |
| transaction        | integer      | **        | The OpenTote transaction id                 |
| merchant-reference | alphanumeric | **        | The merchant-supplied identifier for a bet. |

\*\* You must supply one and only one of **tsn**, **transaction**, **merchant-reference**.

### 7.7.2 Response Structure

```
<cancel-bet-response xmlns="...">  
  <tsn>2300EC001454</tsn>  
  <cost>1.00</cost>  
</cancel-bet-response>
```

| Element | Attribute | Format       | Description                                      |
|---------|-----------|--------------|--|
| tsn     |           | alphanumeric | The ticket serial number                         |
| cost    |           | decimal      | The cost of the bet (hence, the amount refunded) |

## 7.8 Balance Enquiry

This method allows you to query the available funds in your merchant accounts. Details of accounts for all currencies are returned.

This method was added in release 1.21.

### 7.8.1 Request XML Structure

```
<bet:balance-enquiry-request/>
```

There are no parameters in the request, since the details it needs are in the identity header.

### 7.8.2 Response XML structure

```
<balance-enquiry-response xmlns="...">
  <account>
    <currency>USD</currency>
    <balance>1.00</balance>
    <credit-limit>1.00</credit-limit>
    <available-balance>2.00</available-balance>
  </account>
  ...
</balance-enquiry-response>
```

| Element           | Attribute | Format        | Description                          |
|-------------------|-----------|---------------|--------------------------------------|
| currency          |           | 3 letter code | currency of the account              |
| balance           |           | decimal       | balance (whole units and 2 decimals) |
| credit-limit      |           | decimal       | amount of negative balance allowed   |
| available-balance |           | decimal       | sum of balance and credit limit      |

## 7.9 Ticket Enquiry

This method allows you to examine the status of one wager ticket using either a unique merchant-reference, or the TSN and race date.

This method was added in release 1.21.

### 7.9.1 Request XML Structure

```
<bet:ticket-enquiry-request>
  <!-- you have a choice of either -->
  <bet:merchant-reference>ref1234</bet:merchant-reference>
  <!-- or -->
  <bet:tsn>1234567890</bet:tsn>
  <bet:race-date>2011-12-25</bet:race-date>
</bet:ticket-enquiry-request>
```

| Parameter          | Format       | Mandatory | Description                           |
|--------------------|--------------|-----------|---------------------------------------|
| merchant-reference | alphanumeric | **        | The merchant reference for the ticket |
| tsn                | alphanumeric | **        | The ticket serial number              |
| race-date          | xsd:date     | **        | The race date for the ticket          |

\*\* you must specify either **merchant-reference** or **tsn and race date**.

### 7.9.2 Response XML structure

```
<ticket-enquiry-response xmlns="...">
```

```

<id>12345</id>
<status>SUCCESS</status>
<community>foo</community>
<merchant-reference>ref1234</merchant-reference>
<tote-reference>abcd0987</tote-reference>
<card-oid>5679</card-oid>
<pool-oid>87654</pool-oid>
<meeting-name>Swindon</meeting-name>
<race-date>2011-12-25</race-date>
<pool-code>WIN</pool-code>
<requested-selection>5,6</requested-selection>
<selection>5,6</selection>
<bet-options>1</bet-options>
<leg-races>1</leg-races>
<sell-forex-rate>1.0</sell-forex-rate>
<payout-forex-rate></payout-forex-rate>
<merchant-currency>GBP</merchant-currency>
<merchant-stake>5.00</merchant-stake>
<merchant-cost>10.00</merchant-cost>
<merchant-cancel-amount>0.00</merchant-cancel-amount>
<merchant-win-amount>0.00</merchant-win-amount>
<merchant-refund-amount>0.00</merchant-refund-amount>
<merchant-payout-amount>0.00</merchant-payout-amount>
<tote-currency>GBP</tote-currency>
<tote-stake>5.00</tote-stake>
<tote-cost>10.00</tote-cost>
<tote-cancel-amount>0.00</tote-cancel-amount>
<tote-win-amount>0.00</tote-win-amount>
<tote-refund-amount>0.00</tote-refund-amount>
<tote-payout-amount>0.00</tote-payout-amount>
<tsn>1234567890</tsn>
<reconciled>>false</reconciled>
<cancelled>>false</cancelled>
<deferred>>false</deferred>
<merchant-cashed>>false</merchant-cashed>
<creation-time>2011-12-25T13:01:05+00:00</creation-time>
<tote-response-time>2011-12-25T13:32:52+00:00</tote-response-time>
<tote-sell-round-trip>102</tote-sell-round-trip>
</ticket-enquiry-response>

```

| Element | Attribute | Format       | Description                             |
|---------|-----------|--------------|---|
| id      |           | integer      | The internal OpenTote ticket identifier |
| status  |           | alphanumeric | The current ticket status, one of:      |

| Element                | Attribute | Format        | Description   |
|------------------------|-----------|---------------|---|
|                        |           |               | PENDING<br>SUCCESS<br>FAILURE<br>CANCELLED                        |
| community              |           | alphanumeric  | Merchant community identifier for this ticket                     |
| merchant-reference     |           | alphanumeric  | Merchant identifier for this ticket                               |
| tote-reference         |           | alphanumeric  | Reference given to the tote when placing this bet                 |
| card-oid               |           | integer       | Identifier of the race card for this bet                          |
| pool-oid               |           | integer       | Identifier of the pool that this ticket was bet into              |
| meeting-name           |           | alphanumeric  | Meeting name  |
| race-date              |           | xsd:date      | Date of the race  |
| pool-code              |           | alphanumeric  | OpenTote pool code  |
| requested-selection    |           | alphanumeric  | Selection as requested by the customer (comma-slash format)       |
| selection              |           | alphanumeric  | Actual selection as placed on the tote (comma-slash format)       |
| bet-options            |           | integer       | Bet options used when constructing this bet                       |
| leg-races              |           | integer       | Slash-separated list of race numbers that participate in this bet |
| sell-forex-rate        |           | decimal       | Forex rate used when selling the bet                              |
| payout-forex-rate      |           | decimal       | Forex rate used when cashing the bet                              |
| merchant-currency      |           | 3 letter code | 3-character ISO currency for merchant amounts                     |
| merchant-stake         |           | decimal       | Stake in merchant currency  |
| merchant-cost          |           | decimal       | Total cost of bet in merchant currency                            |
| merchant-cancel-amount |           | decimal       | Cancellation amount in merchant currency                          |
| merchant-win-amount    |           | decimal       | Win amount in merchant currency                                   |
| merchant-refund-       |           | decimal       | Refund amount in merchant currency                                |

| Element                | Attribute | Format        | Description  |
|------------------------|-----------|---------------|--|
| amount                 |           |               |  |
| merchant-payout-amount |           | decimal       | Total payout in merchant currency  |
| tote-currency          |           | 3 letter code | 3-character ISO currency for tote amounts  |
| tote-stake             |           | decimal       | Stake in tote currency   |
| tote-cost              |           | decimal       | Total cost of bet in tote currency   |
| tote-cancel-amount     |           | decimal       | Cancellation amount in tote currency   |
| tote-win-amount        |           | decimal       | Win amount in tote currency  |
| tote-refund-amount     |           | decimal       | Refund amount in tote currency   |
| tote-payout-amount     |           | decimal       | Total payout in tote currency  |
| tsn                    |           | alphanumeric  | the TSN  |
| reconciled             |           | boolean       | Whether the bet has been settled with tote   |
| cancelled              |           | boolean       | Whether the bet has been cancelled   |
| deferred               |           | boolean       | Whether the bet has deferred winnings  |
| merchant-cashed        |           | boolean       | Whether the merchant has sent a cash-ticket request  |
| creation-time          |           | xsd:dateTime  | When the bet was created   |
| tote-response-time     |           | xsd:dateTime  | When the tote responded to the sell request  |
| tote-sell-round-trip   |           | integer       | Round-trip in milliseconds for tote sell. Note, this includes preparation of the bet in OpenTote |

## 8 Sample XML Responses

### 8.1 Card Information - card-level-only = true

```
<soap:Envelope xmlns:soap="..." xmlns:xsd="..." xmlns:xsi="...">
  <soap:Body xmlns:ns1="...">
    <request-card-response xmlns="...">
      <cards>
        <card
          ticket-name="" status="O" post-time="" notes="" mtp="26" card-type="HORSE"
          last-updated="20080502 13:08:09.640" current-race-status="O"
          current-race="1" card-oid="2255" card-name="Ascot" card-date="20080502"
        />
        <card
          ticket-name="" status="O" post-time="" notes="" mtp="11" card-type="HORSE"
          last-updated="20080502 13:08:09.645" current-race-status="O"
          current-race="1" card-oid="2256" card-name="Bath" card-date="20080502"
        />
        <card
          ticket-name="" status="O" post-time="" notes="" mtp="26" card-type="HORSE"
          last-updated="20080502 13:08:09.650" current-race-status="O"
          current-race="1" card-oid="2262" card-name="Super7"
          card-date="20080502"
        />
        <card
          ticket-name="" status="O" post-time="" notes="" mtp="0" card-type="HORSE"
          last-updated="20080502 13:08:09.656" current-race-status="C"
          current-race="4" card-oid="2265" card-name="Leopardstown"
          card-date="20080502"
        />
        <card
          ticket-name="" status="O" post-time="" notes="" mtp="0" card-type="HORSE"
          last-updated="20080502 13:08:09.661" current-race-status="O"
          current-race="1" card-oid="2266" card-name="Fairyhouse"
          card-date="20080502"
        />
      </cards>
    </request-card-response>
  </soap:Body>
</soap:Envelope>
```

### 8.2 Card Information - single card

```
<soap:Envelope xmlns:soap="..." xmlns:xsd="..." xmlns:xsi="...">
```

```

<soap:Body xmlns:ns1="...">
  <request-card-response xmlns="...">
    <cards>
      <card
        card-oid="29" card-name="Arlington Park" ticket-name="" card-date="20060630"
        mtp="0" post-time="" status="O" card-type="HORSE" notes="" current-race="2"
        current-race-status="O" last-updated="20060718 14:43:49.278">
        <race
          tote-race-number="1" changed="true" display-race-number="1" race-
          name="" post-time="" status="C" num-runners="8" race-description=""
          breed-type="" race-type="" race-type-description="" restrictions="" sex-
          restriction="" age-restriction="" currency="" purse="" min-claiming-
          price="" max-claiming-price="" distance="" distance-text="" surface=""
          course-type="" race-grade="" chute-starts="" conditions="" has-coupled-
          runners="" published-bet-types="" last-updated="20060711 11:30:31.0">

          <runner
            program-number="1" changed="true" betting-interest-
            number="1" runner-name="" position="0" finish-position="1"
            coupled-flag="N" jockey-change="" weight-change=""
            medication-change="" equipment-change="" running-as-name=""
            post-position="0" foaling-date="" area-foaled="" color="" jockey-
            colors="" jockey-colors-image="" breed="" age="" sire="" dam=""
            dam-sire="" pre-scratched="" weight-carried="" weight-unit=""
            equipment="" medication="" claiming-price="" trainer="" owner=""
            jockey="" breeder="" morning-line-odds="" driver-rating=""
            comment="" last-updated="20060711 11:30:22.0" status="O"

            />
          </runner>
            ...
          />
        </race>
      </card>
    </cards>
  </request-card-response>
</soap:Body>

```

```
<leg
    sequence="1" card-oid="29" tote-race-number="1"
/>

<stake-list>
    <stake amount="0.50" enabled="false"/>
    <stake amount="1.00" enabled="false"/>
    <stake amount="2.00" enabled="true"/>
    <stake amount="3.00" enabled="true"/>
    <stake amount="5.00" enabled="true"/>
    <stake amount="10.00" enabled="true"/>
    <stake amount="20.00" enabled="true"/>
    <stake amount="25.00" enabled="true"/>
    <stake amount="50.00" enabled="true"/>
    <stake amount="100.00" enabled="true"/>
</stake-list>

<single-leg-dividends pool-total="2641.00">
    <runner
        betting-interest-number="1" stake="1.00" pp="55.00"
        odds="26" total="81.00"
    />
    <runner
        betting-interest-number="2" stake="1.00" pp="61.00"
        odds="29" total="73.00"
    />
    <runner
        betting-interest-number="3" stake="1.00" pp="2.10"
        odds="-" total="2172.00"
    />
    <runner
        betting-interest-number="4" stake="1.00" pp="61.00"
        odds="29" total="73.00"
    />
    <runner
        betting-interest-number="5" total="-"
    />
    <runner
        betting-interest-number="6" stake="1.00" pp="49.00"
        odds="23" total="91.00"
    />
    <runner
```

```

        betting-interest-number="7" stake="1.00" pp="57.20"
        odds="27" total="78.00"
    />
    <runner
        betting-interest-number="8" stake="1.00" pp="61.00"
        odds="29" total="73.00"
    />
</single-leg-dividends>

<payout
    stake="2.00" amount="55.00" betting-interest-list="1" number-to-
    win="1"
/>
</pool>
<pool>
    ...
</pool>
</card>
</cards>
</request-card-response>
</soap:Body>
</soap:Envelope>

```

### 8.3 Bet

#### Successful Bet:

```

<soap:Envelope xmlns:soap="" xmlns:xsd="" xmlns:xsi="" >
    <soap:Body xmlns:ns1="" >
        <place-bet-response xmlns="" >
            <tsn>2300EC001454</tsn>
            <cost>2.00</cost>
        </place-bet-response>
    </soap:Body>
</soap:Envelope>

```

#### Failed Bet:

```

<soap:Envelope xmlns:soap="" xmlns:xsd="" xmlns:xsi="" >
    <soap:Body>
        <soap:Fault>
            <faultcode>soap:Server</faultcode>
            <faultstring>{ "request-type": "PLACEBET", "status-code": 2, "status-message": "Selection
            included the scratched runner 7" }</faultstring>
        </soap:Fault>
    </soap:Body>
</soap:Envelope>

```

```

<detail>
  <WrappedException xmlns="http://www.i-neda.com/namespace/wsd/opentote">
    <faultInfo xmlns="http://ws.opentote.ineda.com">
      <ns2:WrappedException xmlns="http://www.i-
neda.com/namespace/xsd/opentote_webservice" xmlns:ns2="http://www.i-
neda.com/namespace/wsd/opentote">
        <category>com.ineda.opentote.ws.impl.relay.BluewireError</category>
        <message>{ "request-type": "PLACEBET", "status-code": 2, "status-message":
"Selection included the scratched runner 7" }</message>
        <cause/>
      </ns2:WrappedException>
    </faultInfo>
  </WrappedException>
</detail>
</soap:Fault>
</soap:Body>
</soap:Envelope>

```

#### 8.4 Ticket (paid, no refund)

```

<soap:Envelope xmlns:soap="..." xmlns:xsd="..." xmlns:xsi="...">
  <soap:Body xmlns:ns1="...">
    <cash-ticket-response xmlns="...">
      <ticket tsn="0254E7D90A8A"
transaction-id="167"
account-owner-id="201"
account="true"
reconciled="true"
cancelled="false"
payout="true"
paid="true"
refund="false"
refunded="false">
        <wager meeting="Arlington Park"
race-date="2006-07-26"
bet-type="TRI"
leg-races="2/2/2"
selections="1/2/3">
          <stake currency="USD">10.00</stake>
        </wager>
        <cost currency="USD">15.00</cost>
        <payout currency="USD">1000.00</payout>
      </ticket>
    </soap:Body>

```

</soap:Envelope>

## 9 Coded Values

### 9.1 Card Status

| Value | Description                     |
|-------|---------------------------------|
| O     | Open                            |
| C     | Closed                          |
| U     | Betting Unavailable             |
| AS    | Card scratched by administrator |

### 9.2 Race Status

| Value | Description                               |
|-------|---|
| O     | Open                                      |
| C     | Closed                                    |
| B     | Betting Unavailable                       |
| AC    | Race closed by administrator              |
| AB    | Race betting unavailable by administrator |
| F     | Official                                  |
| S     | Scratched                                 |

### 9.3 Runner Status

| Value | Description           |
|-------|-----------------------|
| O     | Available for betting |
| S     | Scratched             |

### 9.4 Pool Status

| Value | Description           |
|-------|-----------------------|
| O     | Available for betting |

| <b>Value</b> | <b>Description</b>  |
|--------------|---|
| C            | Closed  |
| P            | Paying available  |
| S            | Scratched   |
| PC           | Paying Complete   |
| CF           | Cashing Failure. Attempts at cashing some of the tickets placed into OpenTote has failed repeatedly, and will not be retried again. |
| FA           | Cashing File Available – For i-neda use   |
| R            | Deprecated – no longer used   |

### 9.5 Pool Types

| <b>Value</b> | <b>Description</b>                |
|--------------|-----------------------------------|
| hri          | (Horse Racing Ireland) Irish Tote |
| uk           | UK Tote                           |
| us           | US Tote                           |

### 9.6 Pool Providers

| <b>Value</b> | <b>Description</b>               |
|--------------|----------------------------------|
| sgrtote      | The Irish Tote                   |
| uktote       | UK Tote                          |
| SGE          | Scientific Games Essen - US Tote |
| PIM          | Phumelela IOM – South Africa     |

### 9.7 Permutations

| <b>Value</b> | <b>Description</b>                            |
|--------------|---|
| FAV          | Favourite wagering is supported on this pool. |

## 9.8 BetPlus Response Codes

| Response codes generated by BetPlus |   |
|-------------------------------------|---|
| 0                                   | Success   |
| 1                                   | Response still pending                                      |
| 2                                   | Malformed request   |
| 3                                   | Service temporarily unavailable                             |
| 10                                  | Invalid Customer ID   |
| 11                                  | Customer authentication failed                              |
| 12                                  | Customer account closed                                     |
| 13                                  | Customer account blocked, contact Bluewire                  |
| 14                                  | Customer credentials not received according to pre-auth     |
| 15                                  | Invalid pre-auth reference                                  |
| 16                                  | No such authentication scheme                               |
| 17                                  | Invalid authentication token                                |
| 18                                  | Authentication token expired                                |
| 19                                  | Authentication rejected, pre-auth required but not supplied |
| 20                                  | Insufficient customer funds to cover transaction            |
| 21                                  | Duplicate merchant transaction reference                    |
| 22                                  | Customer account does not support currency                  |
| 23                                  | Merchant account does not support currency                  |
| 24                                  | Unsupported currency  |
| 30                                  | Invalid merchant ID   |
| 31                                  | Merchant authentication failed                              |
| 32                                  | Merchant certificate expired                                |
| 33                                  | Invalid merchant Secure ID token                            |
| 34                                  | Digest mismatch, transaction authenticity in doubt          |
| 35                                  | Merchant account blocked, contact Bluewire                  |
| 36                                  | IP rejected   |
| 37                                  | Security alert, IP spoofed                                  |
| 41                                  | Cannot set up recurring payment, contact Bluewire           |
| 42                                  | Recurring payment does not exist                            |
| 43                                  | Cannot set up recurring payment, customer limit reached     |

|    |   |
|----|---|
| 44 | Recurring payment already cancelled           |
| 45 | Recurring payment not activated               |
| 50 | Cannot set up debit mandate, contact Bluewire |
| 51 | Debit mandate does not exist                  |
| 52 | DM payment rejected, customer limit reached   |
| 60 | No such transaction                           |
| 60 | No such transaction                           |
| 61 | Duplicate transaction                         |
| 62 | Transaction in wrong state for capture        |
| 63 | Transaction in wrong state for refund         |
| 70 | Transaction rejected                          |
| 71 | Fraud alert                                   |
| 72 | Flood alert, too many requests                |
| 73 | Amount limits exceeded                        |
| 74 | Frequency limits exceeded                     |
| 75 | Card not effective                            |
| 76 | Card cancelled                                |
| 77 | Card marked as lost                           |
| 78 | Card expired                                  |
| 79 | Contact Bluewire operations                   |
| 80 | Authorization tries exceeded                  |
| 81 | Required data is not available                |
| 82 | The action may not be repeated                |
| 83 | Denied by a business rule                     |
| 84 | Duplicate (password, PIN, etc) did not match  |
| 85 | invalid parameter                             |
| 86 | Invalid partner or merchant credentials       |
| 87 | Partner service temporarily unavailable       |
| 88 | Credit card on blacklist                      |
| 89 | Too many active cards                         |
| 90 | Forex unavailable                             |

|      |   |
|------|---|
| 91   | Acquirer doesn't support action                           |
| 92   | Partner system error                                      |
| 93   | Partner miscellaneous error                               |
| 94   | Credit card temporarily blocked due to recent transaction |
| 95   | Transaction already refunded                              |
| 96   | Refund failed   |
| 97   | Transaction already exists                                |
| 98   | Unsupported credit card type                              |
| 99   | Refund limit exceeded                                     |
| 100  | Indecipherable Partner Response                           |
| 9000 | Unspecified error (see partner response code)             |
| 9999 | Internal system error                                     |

## 9.9 Irish Error Codes

| General codes |                      |
|---------------|----------------------|
| 1             | ACTION_NOT_PERFORMED |
| 2             | GENERAL_ERROR        |

## 9.10 UK Error Codes

| Error codes received from the UK Tote |                             |
|---------------------------------------|-----------------------------|
| 10003                                 | Invalid message             |
| 10010                                 | Invalid date                |
| 10015                                 | Invalid meeting             |
| 10017                                 | Invalid race selection      |
| 10018                                 | Invalid pool                |
| 10019                                 | Invalid runner              |
| 10035                                 | Invalid racecard not ready  |
| 11001                                 | Invalid unit stake          |
| 11002                                 | Invalid total unit stake    |
| 11011                                 | Invalid bet selection       |
| 11012                                 | Invalid duplicate selection |
| 11017                                 | Invalid race selection      |
| 11020                                 | Invalid bet type            |
| 11023                                 | Invalid tsn                 |
| 11026                                 | Invalid bet option          |
| 11040                                 | Invalid bet id              |

|       |                               |
|-------|-------------------------------|
| 13000 | Invalid favourite             |
| 13002 | Invalid meeting cancelled     |
| 13003 | Invalid race cancelled        |
| 13004 | Invalid race void             |
| 13005 | Invalid race off              |
| 13006 | Invalid race closed           |
| 13007 | Invalid pool cancelled        |
| 13018 | Invalid runner unavailable    |
| 13019 | Invalid non runner            |
| 13020 | Invalid sales not opened      |
| 13023 | Total Stake Too Low           |
| 15012 | Invalid bet not settled       |
| 17001 | Invalid account not logged on |

|  |                                      |
|--|--------------------------------------|
| <b>Error codes allocated to wagering</b> |                                      |
| 1000                                     | WAGERING_ERROR                       |
| 1001                                     | NOT_IMPLEMENTED                      |
| 1002                                     | TOTE_UNAVAILABLE                     |
| 1003                                     | WAGER_PROVIDER_UNAVAIL               |
| 1005                                     | WAGER_BROKER_CONFIGURATION_ERROR     |
| 1006                                     | INVALID_BET                          |
| 1007                                     | INVALID_BET_COST                     |
| 1008                                     | DATABASE_ERROR                       |
| 1009                                     | TRANSACTION_ERROR                    |
| 1010                                     | SERVICE_ERROR                        |
| 1011                                     | MAPPING_UNAVAILABLE                  |
| 1012                                     | INVALID_DETAILS                      |
| 1013                                     | BAD_STAKE                            |
| 1014                                     | PROVIDER_ERROR                       |
| 1015                                     | FOREX_ERROR                          |
| <b>Error codes allocated to payment</b>  |                                      |
| 2000                                     | PAYMENT_ERROR                        |
| 2001                                     | INSUFFICIENT_FUNDS                   |
| 2002                                     | FOREX_UNAVAILABLE                    |
| 2003                                     | INVALID_AMOUNT                       |
| 2004                                     | INVALID_CURRENCY                     |
| 2005                                     | INVALID_PAYMENT_ACCOUNT              |
| 2006                                     | PAYMENT_PROVIDER_UNAVAIL             |
| 2007                                     | TOTE_ERROR                           |
| 2008                                     | PAYMENT_HELPER_ERROR                 |
| 2009                                     | PAYMENT_PROVIDER_CONFIGURATION_ERROR |
| <b>Error codes allocated to accounts</b> |                                      |
| 3000                                     | ACCOUNT_ERROR                        |
| 3001                                     | ACCOUNT_CONFIGURATION                |

|                                      |                 |
|--------------------------------------|-----------------|
| 3002                                 | INVALID_ACCOUNT |
| <b>Error codes related to coding</b> |                 |
| 9001                                 | NULL_POINTER    |
| 9999                                 | SYSTEM_ERROR    |