Introduction

Asian Total Goals Markets

Asian Total Goals (ATG) is one of the most popular markets in Asia. Following a number of customer requests, we have decided to incorporate this market into our current goals offering.

We have always offered the traditional goal lines (over/under 1.5, 2.5 etc.) which are very popular on the Exchange, and ATGs will act as an extension of these. The Asian goal lines have a different set of increments in that they include quarter lines (1.25, 2.25 etc.) and full goal lines (1, 2 etc.) which can lead to “half wins” and “half losses” on the quarter goals, and “pushes” (money back) on the full goal lines.
Please see below for an explanation of each scenario

Note: we will display the 1.25 line as 1.0 and 1.5.

Over/Under 2.0 goals

Under: You win it if 1 or no goal is scored. If exactly 2 goals are scored the bet is pushed (refund/void). If 3 goals or more are scored, you lose the bet.
Over: You win the bet if more than 2 goals are scored and lose it if only 1 or no goal is scored. If exactly 2 goals are scored the bet is pushed.

Over/Under 2.25 goals

Under: In this case, you are placing half a bet on under 2.0 and the other half on under 2.5 (hence 2.25). If the total goals in the match is exactly 2, you win half your original bet, the other half is pushed (refund/void). If the total is more than 2 goals you lose the bet, and if it’s less than 2 goals you win the bet.
Over: In this case, you are placing half a bet on over 2.0 and the other half on over 2.5. If the total goals in the match is exactly 2, you lose half your original bet and the other half is a pushed. If the total is more than 2 goals you win the bet, and if it’s less than 2 goals you lose the bet.

Over/Under 2.5 goals

Under: In this case there is no push. If there are less than 3 goals you win all of your bet. If there are more than 2 goals, you lose all of your bet.
Over: In this case there is no push if there are over 3 goals you win all your bet.
This will be the equivalent of the normal 0.5 goals markets and we will cross-market cross-match (XMXM) the liquidity.

Over/Under 2.75 goals

Under: Half your bet is on under 2.5 and the other half on under 3.0 (hence 2.75). If there are exactly 3 goals you lose half your bet and push (void) half your bet. If there are less than 3 goals you win all your bet. If there are more than 3 goals you lose all your bet.
Over: Half your bet is on the over 2.5 and half your bet is on over 3.0. If there are exactly 3 goals you win half your bet and the other half is pushed. If there are 4 or more goal you win your whole bet. Less than 2 goals and you lose all your bet.
Spreads and Totals Market Improvements

Betfair have recognised that the Exchange Handicap (spreads) and Total Points markets in sports such as American Football, Basketball and Rugby have not been ideal. One of the key Exchange product improvements being worked on this summer is the re-launch of these markets in a new format. We are working towards a launch ahead of the new NFL season (7th September 2017).

Mobile usage on the Exchange was approximately 64% of all actives in 2016 so we are focusing on making these markets optimal for mobile usage and it’s likely they will be deployed on mobile and the API first. The market re-launch will be the foundations for a wider drive to improve US Sports liquidity on the Exchange.

It’s worth stating the US Sports markets are derived by what the bookmakers in Las Vegas quote. They will set what the points spread and totals are for a match and this is commonly known as the ‘Vegas line’. When a bookmaker in Vegas changes the line the industry follows suit. The Vegas line will be the line that trades closest to 2.0.

Key Line

We will be displaying the key line in the multi-market view (see above) allowing customers to bet on the Spread, Moneyline and Totals markets all from one view. The key line will regularly update as the Vegas line changes.

Stream API customers will be automatically notified when the line changes whilst non-stream API customers will need to poll the market.

Example of the Exchange Desktop view can be found below.

Commission

Commission will be netted across all the lines a customer bets on during that match, this is a significant change that should encourage greater liquidity. A big
Details of Exchange API & Exchange Stream API Changes

We’re making 3 changes to the Exchange API & Stream API to support these new markets:

- **Exchange API** - Additional PriceLadderDescription object to the MarketDescription detailing the type of price ladder for the market. Adding an optional KeyLineDescription object to the MarketState containing details of the selections and handicaps forming the KeyLine. (see details on page 5-9)

- **Exchange Stream API** - Additional PriceLadderDefinition, KeyLineDefinition objects added to MarketDefinition (see details on page 10-11)

- Returning Line Range Info for Asian Handicap (specifically all ASIAN_HANDICAP_DOUBLE_LINE type markets, not ASIAN_HANDICAP_SINGLE_LINE) markets when requested (this data item was previously only returned for LINE markets)

Market Type Updates

We’re also introducing two new Market Types and extending the use of one existing Market Type:

**Spreads & Totals**

Existing market type HANDICAP is a straightforward AHDL markets with lines at 0.5 and 1.0 points – we have used these for Rugby in the past, they will be rolled out to US sports in this project (from September)

New market type COMBINED_TOTAL is a modified AHDL market with selections of Under and Over and lines at (positive on both selections) handicaps at n.5. Again, from September

Both the above may have dozens or hundreds of lines. As above, LINE_RANGE_INFO will be populated in the API to describe the number of lines and their interval

**Asian Total Goals**

New market type ALT_TOTAL_GOALS is very similar to COMBINED_TOTAL except that it will have lines at 0, 0.25, 0.5, 0.75, and rather fewer lines as it’s a Football product.
Exchange API Interface Changes

<dataType name="MarketBook">
  <description>The dynamic data in a market</description>
  <parameter mandatory="true" name="marketId" type="string">
    <description>The unique identifier for the market</description>
  </parameter>
  <parameter mandatory="true" name="isMarketDataDelayed" type="bool">
    <description>True if the data returned by listMarketBook will be delayed. The data may be delayed because you are not logged in with a funded account or you are using an Application Key that does not allow up to date data.</description>
  </parameter>
  <parameter name="status" type="string">
    <description>The status of the market, for example ACTIVE, SUSPENDED, SETTLED, etc.</description>
  </parameter>
  <parameter name="betDelay" type="i32">
    <description>The number of seconds an order is held until it is submitted into the market. Orders are usually delayed when the market is in-play</description>
  </parameter>
  <parameter name="bspReconciled" type="bool">
    <description>True if the market starting price has been reconciled</description>
  </parameter>
  <parameter name="complete" type="bool">
    <description/></description>
  </parameter>
  <parameter name="inplay" type="bool">
    <description>True if the market is currently in play</description>
  </parameter>
  <parameter name="numberOfWinners" type="i32">
    <description>The number of selections that could be settled as winners</description>
  </parameter>
  <parameter name="numberOfRunners" type="i32">
    <description>The number of runners in the market</description>
  </parameter>
  <parameter name="numberOfActiveRunners" type="i32">
    <description>The number of runners that are currently active. An active runner is a selection available for
<parameter name="bspMarket" type="bool" mandatory="true">
    <description>bspMarket</description>
</parameter>

<parameter name="marketTime" type="dateTime" mandatory="true">
    <description>marketTime</description>
</parameter>

<parameter name="suspendTime" type="dateTime" mandatory="true">
    <description>marketSuspendTime</description>
</parameter>

<parameter name="settleTime" type="dateTime">
    <description>settled time</description>
</parameter>

<parameter name="bettingType" type="string" mandatory="true">
    <description>bettingType</description>
</parameter>

<parameter name="turnInPlayEnabled" type="bool" mandatory="true">
    <description>canTurnInPlay</description>
</parameter>

<parameter name="marketType" type="string" mandatory="true">
    <description>market base type</description>
</parameter>

<parameter name="regulator" type="string" mandatory="true">
    <description>the market regulator</description>
</parameter>

<parameter name="marketBaseRate" type="double" mandatory="true">
    <description/>
</parameter>

<parameter name="discountAllowed" type="bool" mandatory="true">
    <description/>
</parameter>

<parameter name="wallet" type="string">
    <description/>
</parameter>

<parameter name="rules" type="string">
    <description/>
</parameter>

<parameter name="rulesHasDate" type="bool">
    <description/>
</parameter>
<parameter name="clarifications" type="string">
      <description/>
    </parameter>

<parameter name="eachWayDivisor" type="double">
      <description>Each Way Divisor for E/W markets</description>
    </parameter>

<parameter name="lineRangeInfo" type="MarketLineRangeInfo">
      <description>Line range info for Line markets and some variants of Handicap markets</description>
    </parameter>

<parameter name="priceLadderDescription" type="PriceLadderDescription" mandatory="false">
      <description>Details about the price ladder in use for this market.</description>
    </parameter>

</dataType>

<dataType name="PriceLadderDescription">
  <description> Description of the price ladder type and any related data. </description>
  <parameter name="type" type="PriceLadderType" mandatory="true">
    <description> The type of price ladder. </description>
  </parameter>
</dataType>

<dataType name="KeyLineSelection">
  <description> Description of a markets key line selection, comprising the selectionId and handicap of the team it is applied to. </description>
  <parameter name="selectionId" type="SelectionId" mandatory="true">
    <description> Selection ID of the runner in the key line handicap. </description>
  </parameter>
  <parameter name="handicap" type="Handicap" mandatory="true">
    <description> Handicap value of the key line. </description>
  </parameter>
</dataType>

<dataType name="KeyLineDescription">
  <description> </description>
</dataType>
A list of KeyLineSelection objects describing the key line for the market
</description>
</parameter>
</dataType>

<simpleType name="PriceLadderType" type="string">
  <validValues>
    <value name="CLASSIC">
      <description>Price ladder increments traditionally used for Odds Markets</description>
    </value>
    <value name="FINEST">
      <description>Price ladder with the finest available increment, traditionally used for Asian Handicap markets</description>
    </value>
    <value name="LINE_RANGE">
      <description>Price ladder used for Line markets. Refer to MarketLineRangeInfor for more details</description>
    </value>
  </validValues>
</simpleType>
Exchange Stream API Interface Changes

"MarketDefinition": {
    "properties": {
        ...
        ...
        "priceLadderDefinition": {
            "type": "object",
            "$ref": "#/definitions/PriceLadderDefinition"
        },
        "keyLineDefinition": {
            "type": "object",
            "$ref": "#/definitions/KeyLineDefinition"
        }
    }
}

"PriceLadderDefinition": {
    "properties": {
        "type": {
            "type": "string",
            "enum": [
                "CLASSIC",
                "FINEST",
                "LINE_RANGE"
            ]
        }
    }
}

"KeyLineDefinition": {
    "properties": {
        "kl": {
            "type": "array",
            "items": {
                "$ref": "#/definitions/KeyLineSelection"
            }
        }
    }
}
"KeyLineSelection": {
  "properties": {
    "id": {
      "type": "integer",
      "description": "Selection Id - the id of the runner (selection)",
      "format": "int64"
    },
    "hc": {
      "type": "number",
      "description": "Handicap - the handicap of the runner",
      "format": "double"
    }
  }
}