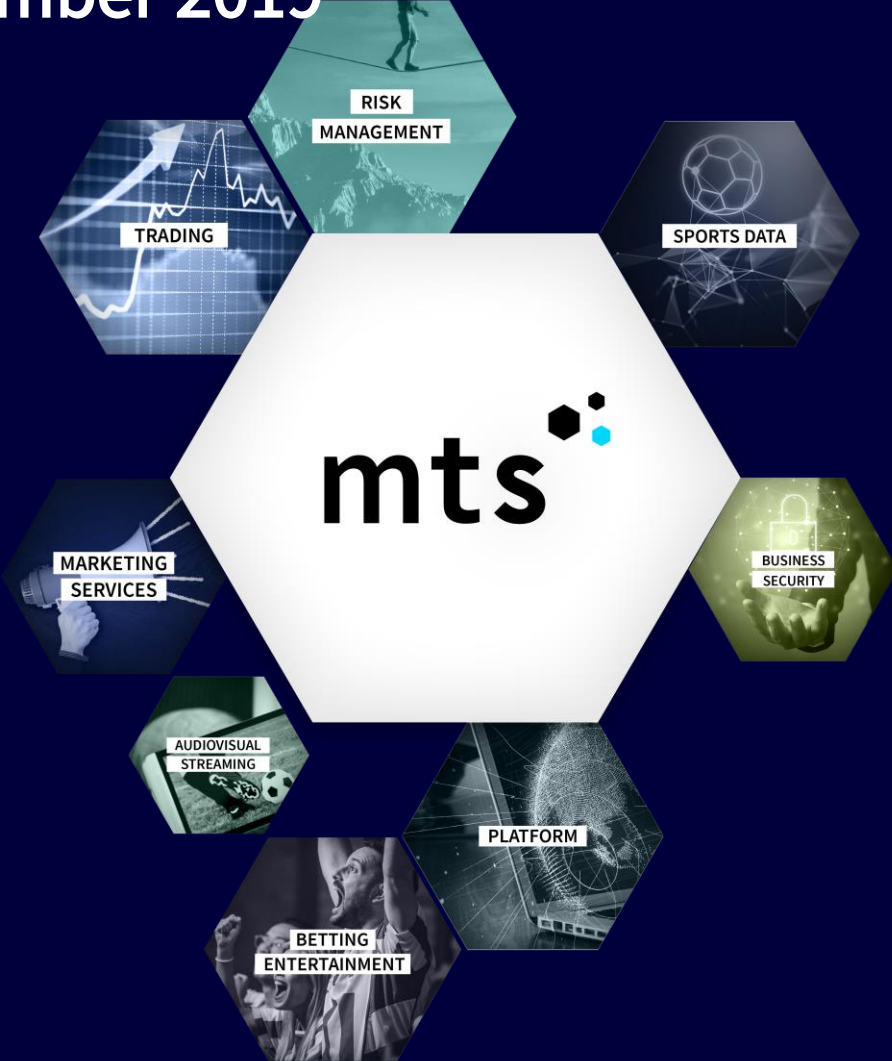


MTS Ticket Feed Integration Instructions for Ticket Version 2.3 Based on UOF September 2019



Version	Author	Date	Comment
3.2	Kirill Mavrodiev	2019-01-31	<ul style="list-style-type: none"> - MTS ticket version updated to 2.2. Main changes compared to 2.0: 14.1 MTS Ticket Version 2.2 - Integration flow updated - Validation codes updated: 13 Appendix D: Validation codes - New ticket cancellation response -2018 “Cannot be cancelled because ticket is already cancelled” - Added 6.9 Alternative Odds (Previously Referred to as – “Odds Change Auto Acceptance”) - MTS CI email address changed to mts-clientintegration@sportradar.com from mtsci@sportradar.com
3.3	Aleksander Ščernjavič, Miroslav Mrković, Kirill Mavrodiev	2019-09-23	<p>Added:</p> <ul style="list-style-type: none"> - 6.4 Event ID and Selection ID in Case of Non-Sportradar Content - 6.12 Non-Sportradar Content - 6.13 Custom Bet - 6.14 Initial Support for “Agent System” Bet Distribution - Partial Cancellation and Partial Cashout paragraphs and examples <p>Updated:</p> <ul style="list-style-type: none"> - Ticket examples: 10 Appendix A: Valid Tickets and 11 Appendix B: Invalid Tickets - JSON schemas: 15 Appendix F: JSON schemas - Validation codes: 13 Appendix D: Validation codes - MTS ticket version updated to 2.3. Main changes added to 14.2 MTS Ticket Version 2.3 - Bet types list updated with Custom Bet – X-fold - Mandatory and optional fields in Table 6-4 Relations Between Distribution Channel Parameters - Suggested timeout for live bets (-102 cancellation request) increased from 10 to 16 seconds - General wording and clarifications

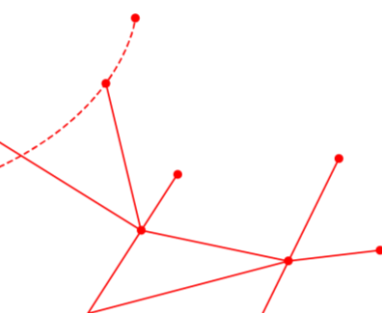
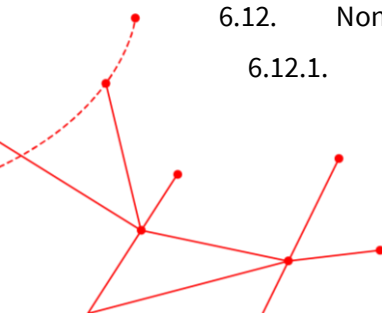
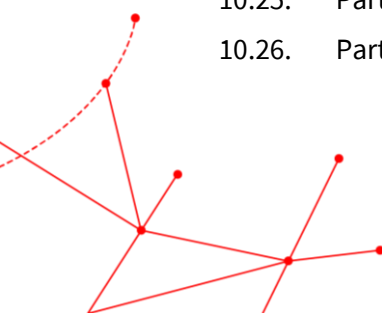


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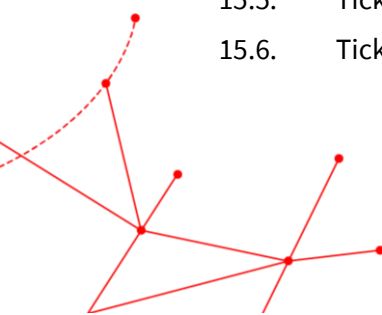
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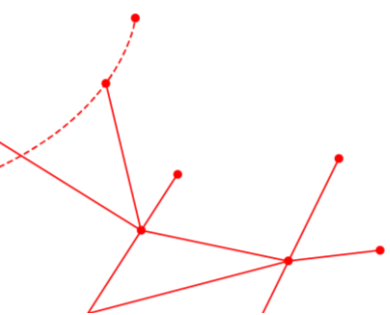
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1. Introduction

The technical integration to Managed Trading Services is performed together with one of Sportradar's MTS Client Integration (CI) engineers using a permanent chat room e.g. Skype or Slack.

During the integration phase the MTS functionality and risk limit configuration will be carried out by representatives from the MTS Operational Account Management (OAM) to ensure the ideal settings are put in place. MTS integration flow, on a high level, is presented in [3 Integration Flow](#).

MTS is Sportradar's service based on UOF which provides risk management for sports and eSports. Communication between the operator's backend and MTS backend is based on asynchronous AMQP communication. JSON objects are used for this communication. In case a Client uses Java or .Net on backend, MTS SDK usage is recommended:

- <http://sdk.sportradar.com/mts/java>
- <http://sdk.sportradar.com/mts/net>

Ticket acceptance flow is explained in chapter [6.1 Ticket Acceptance Flow](#).

To get familiar with the MTS ticket format, it is recommended to check example 10.1 Ticket with Live single bet with 3-Way market. Detailed JSON format of MTS messages is described in 6 The ticket transfer protocol. All Bet acceptance codes, examples of bets, bet cancellations, cashouts and JSON schemas are listed in the appendices of this document and are available as separate .txt/.json files.

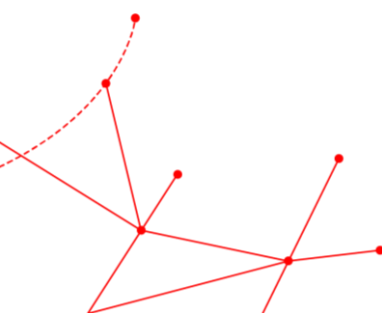
After-launch support: 48 hours after the go-live, the client is handed over to Sportradar's support structure to guarantee the best possible service. Our support teams work with a ticketing system, so all e-mails sent to support@sportradar.com will be routed through that and monitored 24/7/365. After emailing our team, a unique ticket number will be appended to the subject line. This may be helpful for future reference when following up on issues or questions.

All business relevant communication regarding MTS operations will be handled by a dedicated MTS Operational Account Manager (OAM). In case of off hours, you can address issues to mts-client-management@sportradar.com.

2. Pre-conditions

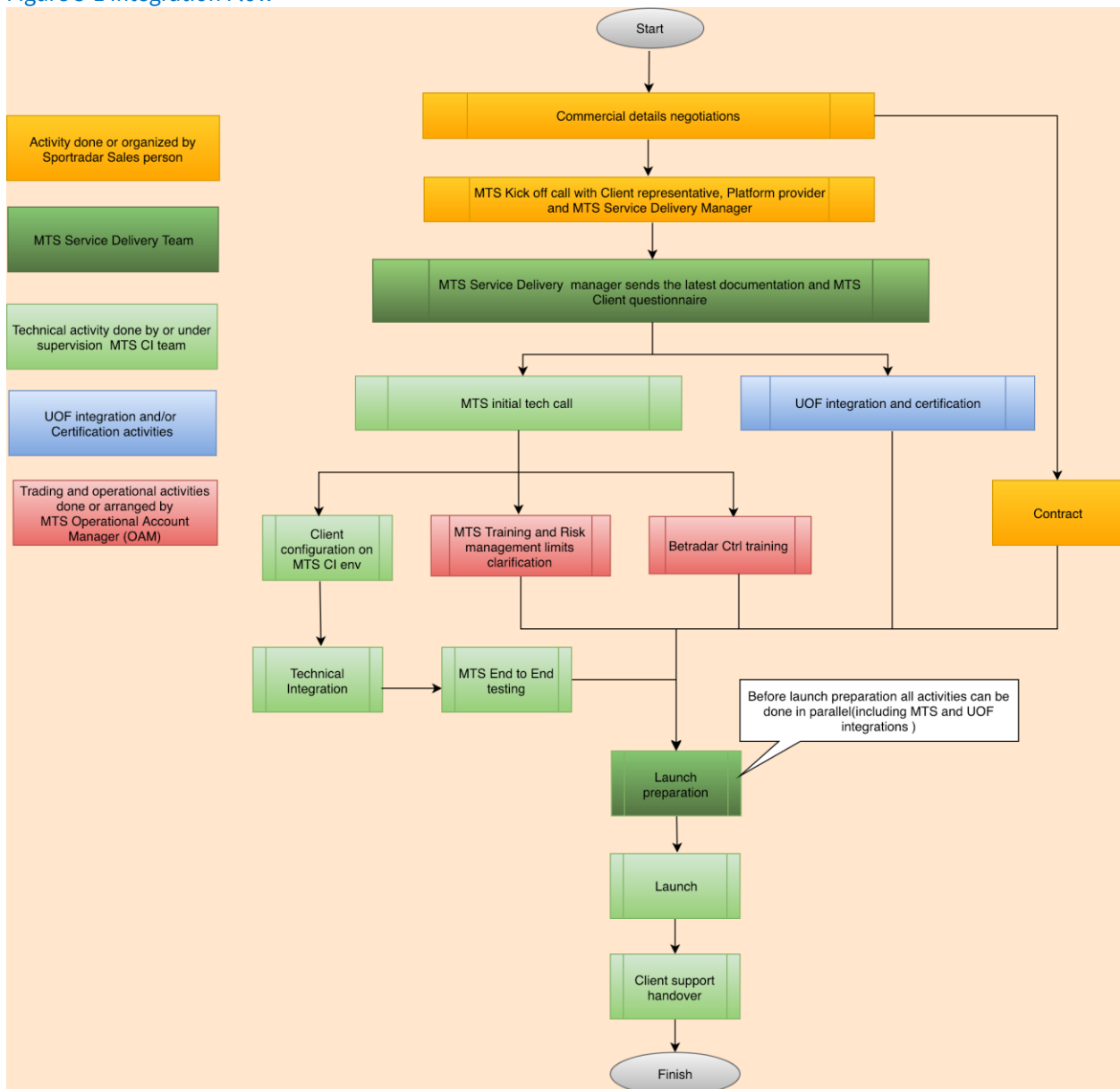
- Commercials are agreed
- Operator or Platform provider is ready to start technical integration

Note: It is not required to have integrated UOF to start MTS Integration. MTS Integration and UOF integration can be completed in parallel.

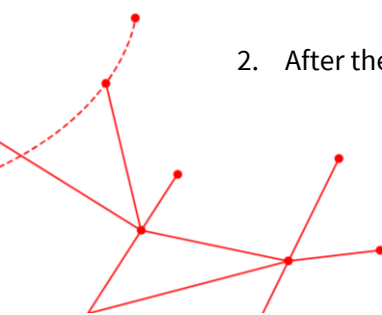


3. Integration Flow

Figure 3-1 Integration Flow



1. The first interaction between an MTS Client and the MTS Service Delivery team commences with an MTS kick off call. This call is arranged by the relevant Betradar’s Sales person after commercial details were agreed. Participants of the kick-off call should be the representatives of the operator, platform provider, MTS Service Delivery and MTS Operational Account Manager (OAM) teams. The following will be discussed during this call:
 - a. The MTS integration flow;
 - b. Date for starting integration and planned launch date. Please note resources are planned within the MTS Client Integration (CI) team based on these dates;
 - c. Scheduling of the initial technical call with developers from the MTS client side and MTS CI engineers.
2. After the kick-off call the MTS Service Delivery manager:



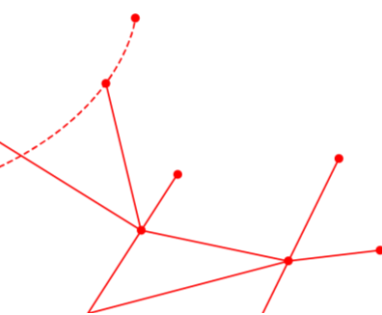
- a. Creates a dedicated Skype or Slack chat which is used for communication with MTS Client Integration team during the MTS integration phase;
 - b. Sends the latest version of the MTS ticket integration document and AMQP ticket feed documentation on the client;
 - c. Sends MTS client questionnaires to the client;
 - d. Introduces the client to the Betradar Partner Certification team. This team is responsible for UOF certification. Feed certification is one of the prerequisites for the launch of the MTS service.
3. Technical client integration starts with an initial Skype or Slack conference call. Participants of this call are the MTS CI team and a technical representative(s) from the client's side. The following will be discussed during this call:
- a. Integration flow
 - b. Ticket acceptance flow which is explained in chapter [6.1 Ticket Acceptance Flow](#)
 - c. Benefits of using MTS Java or .Net SDK.
 - i. In case MTS SDK cannot be used, AMQP communication concept between the client's platform and MTS
 - d. Possibility of sending production tickets to the MTS CI environment without following MTS suggestions/replies for testing purposes
 - e. Frequently asked questions for integration or launch.
4. After the MTS CI Lead receives a completed technical questionnaire and client's public GPG key (OpenPGP format) from the client, the **Client Configuration on MTS CI** phase starts with:
- a. Client's bookmaker account (BMID) is subscribed to Managed Trading Services
 - b. Client's IPs are added to MTS CI environment whitelists (**Note:** Any additional IP whitelisting requests have to be sent to MTS CI via email: mts-clientintegration@sportradar.com)
 - c. MTS CI team sets up RabbitMQ for the client's ticket feed to MTS CI environment
 - d. Appropriate Limit IDs are created on MTS CI environment.

Note: It might happen that several Limit IDs will be created for the same client. E.g. separate Limit IDs for different distribution channels. This fact must be taken into account during development.

5. Credentials encrypted with GPG are sent to the pre-agreed recipient. More about GPG encryption can be found here: <https://www.gnupg.org/gph/en/manual/x110.html> or <http://www.gpg4win.org/>

Note: In case of credentials being lost or compromised, they cannot be restored or reused. If credentials are lost or compromised, new credentials will be created.

6. After the Client receives AMQP credentials and limitIDs, the Client integrates the ticket feed to MTS with support from MTS CI team in a dedicated Skype chat. This phase is called **Technical Integration**.
7. In parallel to the ticket feed implementation, the MTS OAM manager is
- a. discussing risk limits setup and ticket cancellation configuration for the MTS production environment:
 - i. Minimum stake limit
 - ii. Maximum stake limit
 - iii. Maximum payout limit
 - iv. Maximum liability limit



- v. Live and Pre-match bet factors
- vi. Live time delay
- vii. Bet cancellation types
- viii. Acknowledgement period

Note: The prerequisite is a completed MTS client questionnaire by the client.

- b. Arranging Betradar Ctrl training. This training is about Betradar feeds configuration from a business and operational perspective (e.g. odds key/configuration).
8. In parallel to the MTS CI and OAM activities, the Betradar Partner Certification team is performing the UOF certification on the client's platform.
 9. After the client has completed the MTS ticket feed implementation, an end-to-end test is performed by MTS CI team which includes:
 - a. Placing bets on the client's sportsbook solution and verifying ticket JSON objects on the MTS side
 - b. Verification of reaction to bet acceptance suggestion (bet accepted or rejected)
 - c. Verification of quality of UOF integration (if the client can send production tickets to the MTS CI environment)

Note: Issues found during the test will require correction by the client or provision of an estimated time for issue resolution.

Note: Although not mandatory, it is recommended to have the feed certification completed before the start of end to end testing. In exceptional circumstances end to end testing can start before feed certification, if the certification date has been scheduled.

10. After successful completion of the end-to-end testing, launch preparation phase starts which includes:
 - a. Review of MTS end-to-end test results by MTS Service Delivery manager
 - b. Review of UOF certification results by Betradar Partner Certification team and MTS Service Delivery managers
 - c. Contract finalization by MTS Business Development Manager, Assistant and Sportradar Legal department
 - d. Verification of Risk Management limits
 - e. Verification of UOF configuration by MTS OAM
 - f. Client is configured on MTS production environment
11. With MTS end-to-end testing, UOF certification completed and a signed MTS contract, launch date is agreed with the Client and MTS Service Delivery manager
12. The launch confirmation email is followed by MTS production credentials encrypted with GPG
13. After agreed date and time, MTS CI team assists Operator to switch sportsbook to MTS Production
14. For the first 48 hours after launch, MTS CI supports and monitors the client directly. After 48 hours, client support is handed over to the Sportradar Support Team. Any issues from then on should be addressed directly to Sportradar Support.

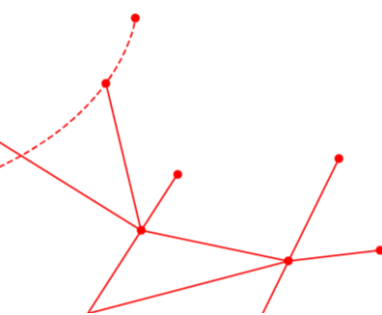
Note: By default, all tickets coming to MTS production are assumed as genuine production tickets and will be invoiced accordingly. All testing, demos and training for any employee must be carried out via the MTS CI environment.

3.1. UOF Certification

Quality validation of UOF integration to the client's platform is part of the integration with MTS which is completed by the Betradar Partner Certification program team. This activity aims to reduce the number of bets sent to MTS with outdated data: status of event, market, selections and odds values. After feeds certification is scheduled, one iteration of feed certification takes no longer than 5 business days. If there are issues during the process, another iteration will be scheduled once a defined plan for the fix is made available.

For further details please contact partner-certification@sportradar.com.

Note: It is not required to have integrated UOF to start MTS Integration. MTS Integration and UOF integration can be completed in parallel.



4. Contacts

Technical assistance:

The MTS CI team is supporting the client throughout the entire MTS integration period and for the first 48 hours directly after the launch. The MTS CI team is available during the integration period via a dedicated Skype/Slack chat room or by email: mts-clientintegration@sportradar.com.

Support for production issues:

After launch support period of 48 hours has passed, support is then handed over to our standard 24/7 Sportradar Support Team (via email support@sportradar.com) who will ensure support availability and issue management.

For all enquiries relating to the usage of the Sportradar feeds and other Services, it is recommended to contact Sportradar Support directly.

UOF certification:

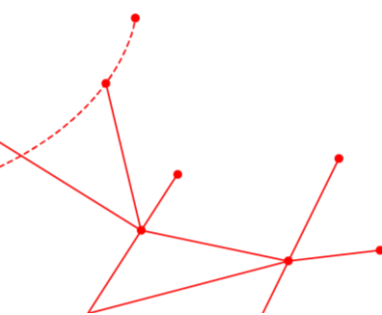
Main contact for UOF certification: partner-certification@sportradar.com.

Operational:

In the case of any operational issues, please contact the MTS Operational Account Manager (OAM): mts-clientintegration@sportradar.com.

MTS Business development:

In case of contractual or commercial topics please email: mts-businessdevelopment@sportradar.com.



5. Connectivity

5.1. Connection Endpoints

Client integration environment (AMQP over TLS 1.2 secure connection)

Host **mtsgate-ci.betradar.com**
Port **5671**

Production environment (AMQP over TLS 1.2 secure connection)

Host **mtsgate-t1.betradar.com**
Port **5671**

5.2. AMQP Protocol and MTS SDK

MTS protocol is delivered via AMQP messaging protocol.

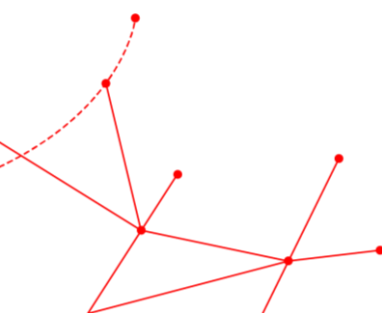
For .NET and Java clients, the preferred and most convenient means of integration is through MTS SDK library:

- <http://sdk.sportradar.com/mts/net>
- <http://sdk.sportradar.com/mts/java>

Please refer to **MTS Java SDK Developer Guide** and **MTS .NET SDK Developer Guide** for a quick way to get you started.

For other languages please consult **MTS-integration with AMQP** where you will be able to find all the information regarding messaging principles with AMQP, as well as initial hints on how to approach the first MTS AMQP messaging setup. Important MTS specific knowledge and illustrative code examples are also included, with more advanced links and hints to help you progress with MTS integration on the protocol level.

MTS “Border” RabbitMQ cluster is running version 3.7.x, which should guide you when choosing a compatible AMQP client library.



6. The Ticket Transfer Protocol

6.1. Ticket Acceptance Flow

The ticket acceptance flow (which is reflected in diagram [Figure 6-1 Ticket Acceptance Flow](#) on page 14 is described below:

1. Ticket is assembled as a JSON object and sent to MTS.

Note: In case of MTS SDK, it is done by MTS SDK. This is one of many benefits of MTS SDK.

2. MTS sends consumer acknowledgement (basic ack) in case message is received by MTS
 - If the consumer acknowledgement is not received on the client side, then it should be considered that MTS didn't receive the initial message with the JSON ticket.
3. After the ticket is received, MTS responds with suggestion as to whether the ticket should be accepted or rejected. (Average response time is 25 ms).

Note: In the case of live bets, MTS applies a live time delay of up to 15 seconds.

- If the Client does not receive a reply within 3 seconds (pre-match) and 16 seconds (live) then the client/operator should reject the bet and send timeout triggered bet cancellation 102 to MTS.
4. After the Client/Operator receives a bet acceptance/rejection suggestion then the flow is split into two branches which are reviewed in separate chapters as detailed below.

6.1.1. MTS Accepts the Ticket

By default, we (MTS) are expecting that the client is following MTS suggestion. In other words, if MTS accepts the bet then the same bet should be accepted by the Client. If there is a need to reject a bet which was accepted by MTS, then:

1. A bet cancellation request should be sent to MTS.

Note: There are different bet cancellation types for a variety of business and technical flows. For more details see Chapter [6.10 Ticket Cancellation](#).

2. If a bet cancellation request is accepted by MTS, then
 - a. The Client rejects the bet.
 - b. After the bet is rejected on the client's side then the appropriate Acknowledgement message is sent to MTS to confirm that the bet was rejected.
3. If a bet cancellation request is declined by MTS, then the client should retain the bet as accepted.
 - a. If the bet still needs to be rejected, then the client should contact the MTS Operational Account Manager (OAM): mts-client-management@sportradar.com.

6.1.2. MTS Rejects the Ticket

If MTS rejects the bet, then we (MTS) are expecting that the client also rejects the bet. If there is a need to accept a bet which was rejected by MTS, then the client should send the appropriate Acknowledgment message to MTS, but MTS will not share the risk for such tickets. For cases when bet was rejected due to risk management reasons, MTS offers Alternative Stake (for live and pre-match) and Bet re-offer (for pre-match) functionalities.

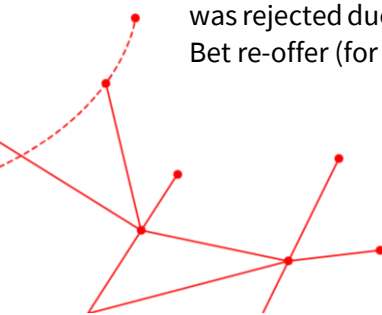
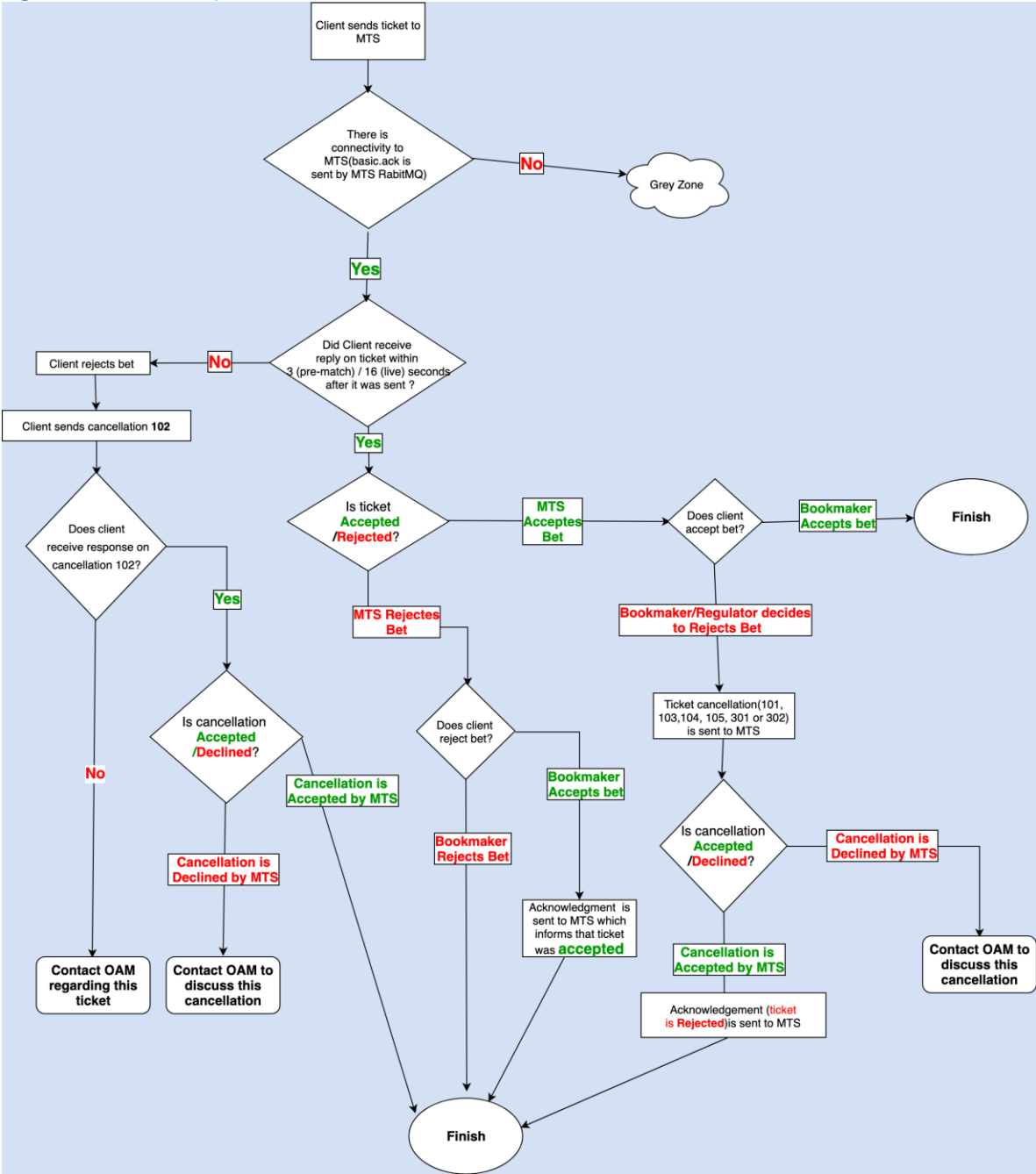
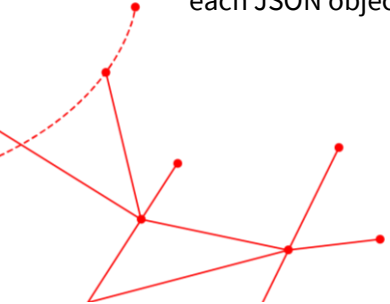


Figure 6-1 Ticket Acceptance Flow



6.2. Ticket JSON Format

As it was mentioned above, all communication between Bookmaker’s backend and MTS is done based on JSON objects via AMQP protocol. To track changes in JSON objects, MTS applied ticket versioning. Current MTS ticket version is 2.3. In this chapter, the JSON Ticket object is described in human readable form. There is a separate table name with a detailed description of the particular object or array for each JSON object/sub-object/array in the “Nesting” field.



For better understanding, several examples are provided in chapter [10](#) Appendix A: Valid Tickets. Examples are sorted based on complexity of bet types: starting from simple cases and finishing with complex multi-system bets with different numbers of selections and different stakes per combination.

In addition to examples, JSON schemas are also added for all communication types in chapter [15](#) [Appendix F: JSON schemas](#):

- [15.1 Ticket JSON Schema 2.3](#)
- [15.2 Ticket Acceptance Response JSON Schema 2.3](#)
- [15.3 Ticket Cancellation JSON Schema 2.3](#)
- [15.4 Cancellation Response JSON Schema 2.3](#)
- [15.5 Ticket Acknowledgment JSON Schema 2.3](#)
- [15.6 Ticket Cancellation Acknowledgement JSON Schema 2.3](#)
- [15.7 Ticket Cashout JSON Schema 2.3](#)
- [15.8 Ticket Cashout Response JSON Schema 2.3](#)
- [15.9 Ticket Re-Offer JSON Schema 2.3](#)
- [15.10 Non-SR Settle Ticket JSON Schema 2.3](#)
- [15.11 Non-SR Settle Ticket Response JSON Schema 2.3](#)

All examples and schemas are available in separate text files. If any of these are missing, please request via email directly from the MTS Client Integration team mts-clientintegration@sportradar.com or in MTS integration Skype/Slack chat.

The next chapters describe the format for bet cancellation messages, responses from MTS to ticket and ticket cancellation requests, and acknowledgement messages.

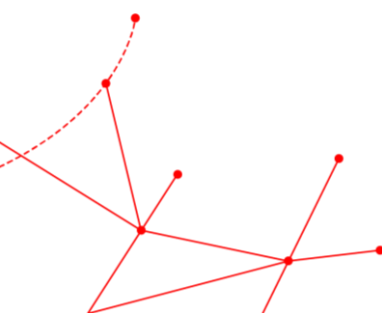


Table 6-1 Generic Part of a Ticket (Format Version 2.3)

Parameter name	Nesting	Mandatory/Optional	Data type	Description
version	No	Mandatory	string	Ticket format version. (Current is '2.3')
timestampUtc	No	Mandatory	integer	Timestamp of ticket placement (in UNIX time milliseconds); minimum: 1; maximum: 9223372036854775807.
ticketId	No	Mandatory	string	Unique ticket id (in the client's system); minLength": 1; maxLength: 128
sender	Table 6-2 Sender Object	Mandatory	object	Identification and settings of the ticket sender. In other words, this object contains information about distribution channel information, punter and device from which ticket was placed.
selections	Table 6-5 Selections Array	Mandatory	array	Array of all selections. Order is very important as they can be referenced by index in 'ticket.bets.selectionRefs'
bets	Table 6-6 Bets Array	Mandatory	array	List of bets in the ticket
oddsChange	No	Optional	String	Enumerator: <ul style="list-style-type: none"> - none - no odds change accepted (default) - any - any odds change accepted - higher - accept only higher odds compared to odds in the initial bet sent to MTS For more information check chapter 6.9 Alternative Odds (Previously Referred to as - "Odds Change Auto Acceptance")
totalCombinations	No	Optional	Integer	Expected total number of generated combinations on this ticket (optional, default null). If present, it is used to validate against actual number of generated combinations. Check example: 10.11 Two Single Bets on the Same Event Within One Ticket
lastMatchEndTime	No	Optional	Integer	Timestamp of Match end date with offset to one second before midnight (in UNIX time milliseconds). For more information check chapter: 6.12 Non-Sportradar Content

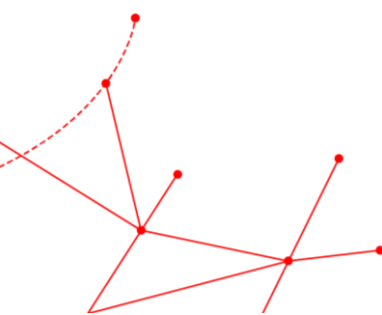


Table 6-2 Sender Object

Parameter name	Nesting	Mandatory/Optional	Data type	Description
currency	No	Mandatory	string	3 letter currency code. MTS supports all official currencies, BTC and mBTC. Length is 4 characters only in case of mBTC. For more details please check ISO 4217 currency codes https://www.iso.org/iso-4217-currency-codes.html
terminalId	No	Table 6-4 Relations Between Distribution Channel Parameters	string	Terminal id (optional), “pattern”: “^[0-9A-Za-z-]{1,36}\$”,
channel	No	Mandatory	string	Communication channel, enumerator: <ul style="list-style-type: none"> – internet – retail – terminal – mobile – sms – callCentre – agent – tvApp
shopId	No	Table 6-4 Relations Between Distribution Channel Parameters	string	Identification of physical shop
bookmakerId	No	Mandatory	integer	Client's id (provided by Sportradar to the client: “minimum”: 1 “maximum”: 2147483647
limitId	No	Mandatory	integer	Client's limit id (provided by MTS CI or OAM team) from where the ticket was placed
endCustomer	Table 6-3 endCustomer Object	Table 6-4 Relations Between Distribution Channel Parameters	object	Identification of the end user (customer)

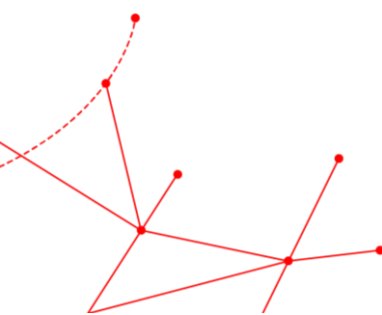


Table 6-3 endCustomer Object

Parameter name	Nesting	Mandatory/ Optional	Data type	Description
id	No	Table 6-4 Relations Between Distribution Channel Parameters	string	End user's unique id (in Bookmaker's system). It should be an anonymized value which cannot be used to identify a physical person.
ip	No	Table 6-4 Relations Between Distribution Channel Parameters	string	End user's IP
language	No	Table 6-4 Relations Between Distribution Channel Parameters	string	ISO 639-1 language codes http://www.loc.gov/standards/iso639-2/php/code_list.php
deviceId	No	Table 6-4 Relations Between Distribution Channel Parameters	string	End user's device id
confidence	No	Optional	integer	Suggested Customer Confidence Factor (CCF) of the customer multiplied by 10 000 and rounded to a long value

Table 6-4 Relations Between Distribution Channel Parameters

Distribution channel	Customer is	channel	endCustomer.id	shopId	terminalId	endCustomer.ip	endCustomer.deviceId	endCustomer.language
Internet	registered	mandatory	mandatory	blank	blank	optional	optional	optional
Mobile	registered	mandatory	mandatory	blank	blank	optional	optional	optional
SMS	registered	mandatory	mandatory	blank	blank	blank	optional	optional
Retail (Shop)	unregistered	mandatory	blank	mandatory	blank	blank	optional	blank
Retail (Shop)	registered	mandatory	mandatory	mandatory	blank	blank	optional	optional
Terminals	registered	mandatory	mandatory	optional	mandatory	blank	optional	optional
Terminals	unregistered	mandatory	blank	optional	mandatory	blank	optional	blank
Call Center	registered	mandatory	mandatory	optional	optional	optional	optional	optional
Agent	registered	mandatory	mandatory	optional	optional	optional	optional	optional
TV App	registered	mandatory	mandatory	blank	blank	optional	optional	optional

Note:

- If a bet is placed from a mobile device/mobile version of web page, then the channel should be “mobile”.
- If a bet is placed from a terminal installed in a shop, then the channel should be “retail” and “shopID” and “terminalID” should be in the bet.

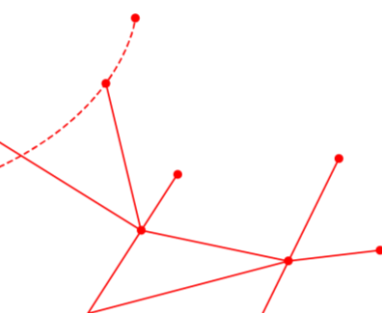


Table 6-5 Selections Array

Parameter name	Nesting	Mandatory/Optional	Data type	Description
eventId	No	Mandatory	string	Betradar event id from UOF; E.g. – for matches: “sr:match:16470657” – for outrights: “sr:season:54571” minimum: 1; maximum: 9223372036854775807 Max length: 100 or 6.4 Event ID and Selection ID in Case of Non-Sportradar Content for Non-Sportradar content.
id	No	Mandatory	string	ID of selection based on UOF IDs minLength: 1 maxLength: 1000 Detailed specification of this value format can be found in 6.3 Selection ID in Case of UOF or in 6.4 Event ID and Selection ID in Case of Non-Sportradar Content for Non-Sportradar content.
odds	No	Mandatory (Optional in case of Custom Bet)	integer	Odds multiplied by 10 000 and rounded to int value

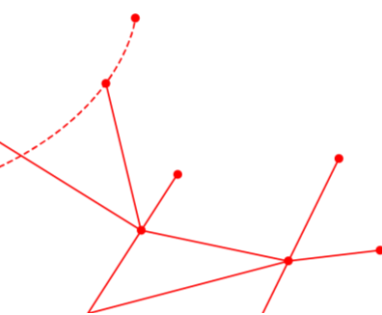


Table 6-6 Bets Array

Parameter name	Nesting	Mandatory/Optional	Data type	Description
id	No	Optional	String	Bet id (optional) in multi-bets ticket. If a Client sends this value then “bet_N” at the end of id should suffice, where N is the bet number starting from 0. Check example 10.13 Multi-System Bets Ticket with Different Stakes
selectedSystems	No	Mandatory	array of integers	Array of all the systems. [0] is not allowed. In case of accumulators it should be the same as the number of folds
selectionRefs	Table 6-7 selectionRefs Array	Optional	array	Array of selection references which form the bet (optional, if missing then all selections are used); Default: null
stake	Table 6-8 Stake object	Mandatory	object	Stake of the bet
Bonus	Table 6-10 Bonus object	Optional	object	Sport-betting bonus of the bet (optional, default null)
customBet	No	Optional	boolean	Custom Bets flag. Default: “false”.
calculationOdds	No	Optional	integer	Single odds for a given CB combination provided by UOF API endpoint.
entireStake	Table 6-9 Entire Stake object	Optional	object	Entire stake of the bet (used for Agent System bet distribution logic)

Table 6-7 selectionRefs Array

Parameter name	Nesting	Mandatory/Optional	Data type	Description
selectionIndex	No	Mandatory	integer	“Selection index from 'ticket.selections' array (zero based)”: minimum”: 0 maximum”: 62
banker	No	Optional	boolean	Flag if selection is banker (optional, default false)

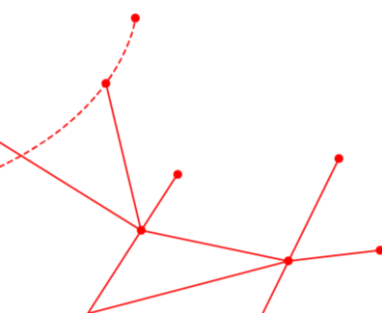


Table 6-8 Stake object

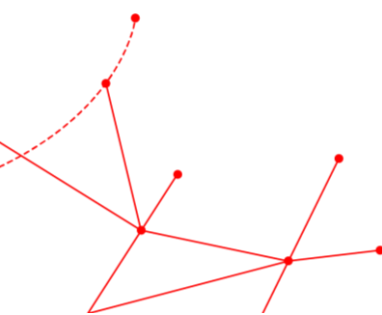
Parameter name	Nesting	Mandatory/Optional	Data type	Description
value	No	Mandatory	integer	Stake amount in local currency multiplied by 10 000 and rounded to a long value. minimum: 1; maximum: 1000000000000000000
type	No	Optional	string	Type of stake (optional, default total). Enumerator: - total - unit Clients can choose if they send to MTS the unit stake (the value for each individual bet within a multiple bet of a ticket) or the total stake (the total stake for a multiple bet within the ticket).

Table 6-9 Entire Stake object

Parameter name	Nesting	Mandatory/Optional	Data type	Description
value	No	Mandatory	integer	Entire Stake amount in local currency multiplied by 10 000 and rounded to a long value. minimum: 1; maximum: 1000000000000000000
type	No	Optional	string	Type of stake (optional, default total). Enumerator: - total - unit Clients can choose if they send to MTS the unit stake (the value for each individual bet within a multiple bet of a ticket) or the total stake (the total stake for a multiple bet within the ticket).

Table 6-10 Bonus object

Parameter name	Nesting	Mandatory/Optional	Data type	Description
value	No	Mandatory	integer	Bonus amount which will be added to Win amount in case bet is won. Amount multiplied by 10 000 and rounded to a long value. (Local currency)
type	No	Optional	string	Bonus type (optional, default total)
mode	No	Optional	string	Payout mode (optional, default all). Relevant mostly for system bets. All: all bets must win for bonus to be paid out.



6.3. Selection ID in Case of UOF

Betradar’s Unified Odds Feed (UOF) is the next stage in making sport’s and eSport’s data transmission and service integration even simpler and more convenient. This new way of data delivery enables customers to access all the data Betradar supports in a fast and consistent manner. The feed works in conjunction with the entire range of our existing betting products: Pre-match Odds Service (PMOS), Live Odds (LO), Premium Cricket, etc. Detailed documentation for UOF can be found [here](#). If you integrated UOF, you would use the following template for parameter selections[i].id in JSON ticket:

“uof:<product_id>/<sport_id>/<market_id>/<outcome_id>?<specifier1>=<value1>[&<specifierN=valu eN>]*”

Where “product_id” is a producer in UOF:

- 1 – Live Odds (LO)
- 3 – Pre-match Odds Service (PMOS)
- 4 – Betpal
- 5 – Premium Cricket

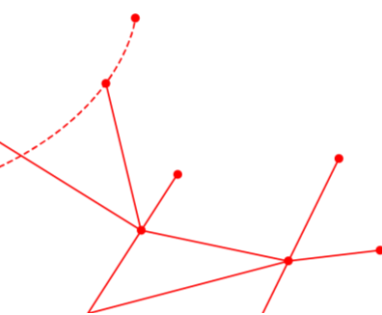
Java regex:

“^uof\\:(\\d+\\)\\sr\\:sport\\:(\\d+\\)\\d+\\/[^\?]+(((\\?[^\=]+)\\=[^\&\\?]+)((\\&[^\=]+)\\=[^\&\\?]+)*)?\$\$”

Examples:

Table 6-11 UOF Selection ID Examples

SPORT	Human readable market name	UOF (incl. selection)	Producer
Tennis	First set game 1 – correct score	uof:1/sr:sport:5/214/891?setnr=1&gamenr=1	LO
Volleyball	Second set – point handicap	uof:1/sr:sport:23/309/1714?setnr=2&hcp=3.5	LO
Soccer	Handicap	uof:3/sr:sport:1/16/1715?hcp=2	PMOS
Soccer	Double chance and total	uof:3/sr:sport:1/547/1728?total=1.5	PMOS
Soccer	1st goalscorer	uof:3/sr:sport:1/38/sr:player:263505?goalnr=1&type=prematch	PMOS
Soccer	Correct score [0:0]	uof:3/sr:sport:1/41/148?score=0:0	PMOS
Basketball	Halftime/fulltime	uof:3/sr:sport:2/47/426	PMOS
Basketball	Total (including overtime)	uof:3/sr:sport:2/225/12?total=214.5	PMOS
Volleyball	How many sets will be decided by extra point	uof:3/sr:sport:23/306/sr:decided_by_extra_points:bestof:5:53?variant=sr:decided_by_extra_points:bestof:5	PMOS
Soccer	Outright, Top 4	uof:3/sr:sport:1/536/pre:outcometext:4898?winners=4&variant=pre:markettext:63824	PMOS
Soccer	Outright, Winner	uof:3/sr:sport:1/534/pre:outcometext:5344132?variant=pre:markettext:59328	PMOS



6.4. Event ID and Selection ID in Case of Non-Sportradar Content

In case the ticket contains selections from Non-Sportradar Content, formats of event ID and selection ID are:

1. Value of selections.eventId should start from “nonsr:match:”, followed by anonymized, unique integer (eg. "eventId" : "nonsr:match:736977").
2. Value of selections.id should start from either “ext-pre:” (pre-match event) or “ext-live:” (live event), followed by the bookmaker ID, followed by the anonymized selection ID (eg. "id" : "ext-pre:9985:s77"). Java regex: “(ext-live|ext-pre):([\^:;]+)\:(s\d{1,2})”
3. Value of selections.odds should be the currently valid odds multiplied by 10 000 (eg. "odds" : 10100).

6.5. Bet Type Values

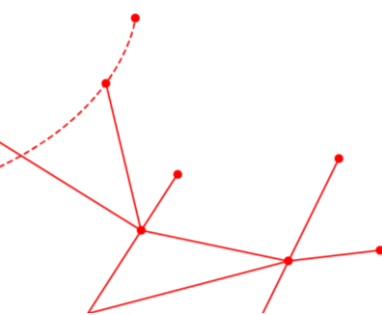
Table 6-12 Bet Types

Name of bet type	Description
Single	One selection, one bet ("selectedSystems": [1], selections count = 1).
Double	Two selections, one bet ("selectedSystems": [2], selections count = 2).
Treble	Three selections, one bet ("selectedSystems": [3], selections count = 3).
Accumulator	Four or more selections (also referred to as a four-fold, five-fold, six-fold etc.); maximum number of selections is capped at 63. No matter how many selections in an accumulator it is still always counted as one bet ("selectedSystems": [<NUMBER OF FOLDS>], selections count = selections count).
Custom Bet	Up to 10 selections on a single soccer event, bundled in one bet and treated as an accumulator ("selectedSystems": [<NUMBER OF FOLDS>], selections count = selections count).
Trixie	Three selections, from which 4 separate bets are formed: 3 doubles and a treble ("selectedSystems": [2,3], selections count = 3).
Yankee	Four selections, from which 11 separate bets are formed: 6 doubles, 4 trebles and a four-fold accumulator ("selectedSystems": [2,3,4], selections count = 4).
Canadian or Super Yankee	Five selections, from which 26 separate bets are formed: 10 doubles, 10 trebles, 5 four-folds and a five-fold accumulator ("selectedSystems": [2,3,4,5], selections count = 5).
Heinz	Six selections, from which 57 separate bets are formed: 15 doubles, 20 trebles, 15 four-folds, 6 five-folds and a six-fold accumulator ("selectedSystems": [2,3,4,5,6], selections count = 6).
Super Heinz	Seven selections, from which 120 separate bets are formed: 21 doubles, 35 trebles, 35 four-folds, 21 five-folds, 7 six-folds and a seven-fold accumulator ("selectedSystems": [2,3,4,5,6,7], selections count = 7).

Goliath	Eight selections, from which 247 separate bets are formed: 28 doubles, 56 trebles, 70 four-folds, 56 five-folds, 28 six-folds, 8 seven-folds and an eightfold accumulator (“selectedSystems”: [2,3,4,5,6,7,8], selections count = 8).
Patent	Three selections, from which 7 separate bets are formed: 3 singles, 3 doubles and a treble. Equivalent to a Trixie plus 3 singles (“selectedSystems”: [1,2,3], selections count = 3).
Lucky 15	Four selections, from which 15 separate bets are formed: 4 singles, 6 doubles, 4 trebles and a four-fold accumulator. Equivalent to a Yankee plus 4 singles (“selectedSystems”: [1,2,3,4], selections count = 4).
Lucky 31	Five selections, from which 31 separate bets are formed: 5 singles, 10 doubles, 10 trebles, 5 four-folds and a five-fold accumulator. Equivalent to a Canadian plus 5 singles (“selectedSystems”: [1,2,3,4,5], selections count = 5).
Lucky 63	Six selections, from which 63 separate bets are formed: 6 singles, 15 doubles, 20 trebles, 15 four-folds, 6 five-folds and a six-fold accumulator. Equivalent to a Heinz plus 6 singles (“selectedSystems”: [1,2,3,4,5,6], selections count = 6).
System Bet	System bets consist of various combinations of separate bets based on the total number of selections and the number of selections in each combination. The customer must pick a minimum of 1 selection and a maximum of 30 and then chose the number of selections they want in each combination (separate bet) (“selectedSystems”: [X] (X<selections count), selections count = selections count).
System Bet with Banker(s)	System bets placed with banker(s) in which the banker selection(s) is included in every separate bet (combination) of the system bet and is required to win to provide the customer with any return.
System Bet with Ways	System bets placed with ways gives the option to include several selections from the same market as part of a system bet. The ways part of the bet refers to the market that has more than one selection included.
Custom Bet – X-fold	CustomBet is an add-on betting product which allows MTS clients to offer accumulator bets on soccer matches which previously would have been blocked due to related contingencies. The punter can customize their own bet for a match based on the long list of markets available for Custom Bet.

Note: MTS has the following limitations:

- MTS supports accumulators up to 63 folds(legs)
- MTS supports system bets with maximum 20 000 combinations or/and 30 legs
- MTS supports maximum 50 bets within single JSON ticket.



6.6. Ticket Response

Ticket response is a mandatory part of the ticket acceptance process where the ticket response from Betradar advises whether the ticket can be accepted or not. This is sent within 1 second or less (not considering a live-bet delay that can be configured - currently the live time delay is 7 seconds). The response then specifies if the ticket(s) was accepted or not.

For better understanding it is strongly recommended to check examples on:

- Ticket acceptances: [10 Appendix A: Valid Tickets](#)
- Ticket rejections: [11 Appendix B: Invalid Tickets](#)
- Bet re-offer examples: [10.19 Bet Re-Offer Accepted by MTS Example](#) and [10.20 Bet Re-Offer Rejected by MTS Example](#).

In addition to examples Ticket acceptance/rejection response JSON schema is added to chapter [15.2 Ticket Acceptance Response JSON Schema 2.3](#).

General ticket acceptance/rejection response is as follows:

Table 6-13 Ticket Acceptance/Rejection Response

Parameter name	Nesting	Mandatory/Optional	Data type	Description
version	No	Mandatory	string	JSON format version (Current is '2.3')
signature	No	Mandatory	string	Response signature (previous betAcceptanceId)
result	Table 6-14 Ticket response.result	Mandatory	object	
autoAcceptedOdds	Table 6-22 ticket response.autoAcceptedOdds	Optional	object	Array which contains odds auto-acceptance information
exchangeRate	No	Mandatory	integer	The exchange rate used when converting currencies to EUR. Double multiplied by 10000 and rounded to a long value

Table 6-14 Ticket response.result

Parameter name	Nesting	Mandatory/Optional	Data type	Description
ticketId	No	Optional	string	External ticket id which was sent by Bookmaker to MTS
status	No	Mandatory	string	Acceptance status. Enumerator:

				<ul style="list-style-type: none"> - "accepted" - "rejected"
reason	Table 6-15 Ticket response.reason	Mandatory	object	Object carrying information about rejection cause
betDetails	Table 6-16 Ticket response.betDetail	Optional	array	Bet-level rejection details. In case ticket is accepted value is "betDetails": []

Table 6-15 Ticket response.reason

Parameter name	Nesting	Mandatory/Optional	Data type	Description
Code	No	Optional	integer	Rejection/acceptance code
message	No	Optional	string	Rejection reason description

Table 6-16 Ticket response.betDetail

Parameter name	Nesting	Mandatory/Optional	Data type	Description
Items	Table 6-17 Ticket response.items	Optional	object	Reason on bet level

Table 6-17 Ticket response.items

Parameter name	Nesting	Mandatory/Optional	Data type	Description
selectionDetails	Table 6-18 Ticket response.selectionDetails		object	Per-selection rejection reasons
reason	Table 6-15 Ticket response.reason	Mandatory	object	Object carrying information about rejection cause
betId	No	Mandatory	string	Particular Bet id
reoffer	Table 6-21 Ticket response.reoffer	Optional	object	Bet reoffer details, mutually exclusive with alternativeStake
alternativeStake	Table 6-20 Ticket response.alternativeStake	Optional	object	Alternative stake, mutually exclusive with reoffer

Table 6-18 Ticket response.selectionDetails

Parameter name	Nesting	Mandatory/Optional	Data type	Description
selectionIndex	No		integer	Selection index from 'ticket.selections' array. Enumeration starts from zero
reason	Table 6-15 Ticket response.reason		object	Object carrying information about rejection cause
rejectionInfo	Table 6-19 Ticket response.selectionDetails.rejectionInfo		object	Rejection information on selection level

Table 6-19 Ticket response.selectionDetails.rejectionInfo

Parameter name	Nesting	Mandatory/Optional	Data type	Description
eventId	No		string	Rejected selection's related Betradar event (match or outright) id. "minLength": 1, "maxLength": 100
id	No		string	Rejected selection's related Selection id
odds	No		integer	Rejected selection's related Odds multiplied by 10 000.

Table 6-20 Ticket response.alternativeStake

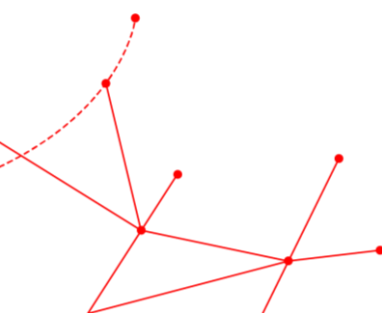
Parameter name	Nesting	Mandatory/Optional	Data type	Description
stake	no	Mandatory	integer	Alternative stake. Double multiplied by 10 000 and rounded to a long value: minimum: 1; maximum:1000000000000000000

Table 6-21 Ticket response.reoffer

Parameter name	Nesting	Mandatory/Optional	Data type	Description
type	No	Mandatory	string	Reoffer type, if auto then stake will be present. If manual you should wait for reoffer stake over Reply channel. Enumerator: - "auto" - "manual"
stake	No	Optional	integer	Reoffer stake. Double multiplied by 10 000 and rounded to a long value

Table 6-22 ticket response.autoAcceptedOdds

Parameter name	Nesting	Mandatory/Optional	Data type	Description
selectionIndex	no		integer	Selection index from 'ticket.selections' array. Enumeration starts from zero
requestedOdds	no		integer	Odds with which the ticket was placed multiplied by 10 000
usedOdds	no		integer	Odds with which the ticket was accepted multiplied by 10 000



6.7. Alternative Stake

If a bet is rejected due to exceeded liability limits, MTS gives the end customer the chance of requesting the bet again with a lower stake which would have more chance of being accepted. After the first rejection, MTS sends, together with the reply, an alternative stake value. The bookmaker can then offer the end customer the chance of requesting the same bet with the alternative stake.

Note: Alternative stake is available for live and pre-match betting.

Note: MTS can have enabled either alternative stake functionality for live and pre-match or bet re-offer for pre-match. For further details please contact MTS OAM team.

The alternative stake does not reserve liability; therefore, if the aggregated liability amount increases before the end customer accepts to place the bet with the Alternative Stake, the ticket might be rejected again.

High level flow:

1. Ticket is sent from operator to MTS
2. Ticket gets rejected due to exceeded liability
3. Rejection message is sent to the bookmaker and contains the Alternative Stake offer in the currency of the initial bet and an ID in order to identify the rejected ticket.
4. The new ticket placed with the Alternative Stake must contain the ID of the previous ticket rejected for liability reasons (see (3)).

Alternative stake works in the following cases:

- Alternative stake is triggered for the following rejection codes: -308, -511, -512, -701, -702, -703
- Bet types: Singles, Multiples (accumulators)
- For the time being, MTS is not offering alternative stake for the tickets which contain several bets

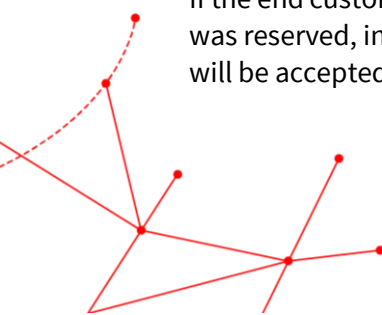
Note: By default, the alternative stake functionality is disabled on the MTS side. If you would like it to be activated, please contact the MTS OAM team.

6.8. Bet Re-offer for Pre-match

In order to achieve the lowest possible rejection rate, the alternative stake feature has been enhanced and incorporated into the bet re-offer for pre-match betting. Just as in the case of alternative stake, if liability limits are breached, the alternative stake value is sent to the customer together with the rejection response, but the liability is reserved for a certain time frame arranged with the bookmaker (basically the time for the end customer to decide whether to accept the re-offer or not).

Note: MTS can have either alternative stake functionality enabled for live and pre-match bets or bet re-offer enabled for pre-match, or a combination of alternative stake for live and re-offer for pre-match bets. For further details please contact MTS OAM team.

If the end customer accepts the re-offer, the bet is guaranteed to be accepted as the liability for the bet was reserved, in case the status of selections in the bet is not changed. Hence, a higher number of bets will be accepted, and the end customer will not be disappointed by a second rejection.



Bet re-offer works in the following cases:

- Bet re-offer is triggered for the following rejection codes: -308, -511, -512, -701, -702, -703
- Only pre-match bets (not for the live bets)
- Bet types: Singles, Multiples (accumulators)
- For the time being, MTS is not offering bet re-offer for the tickets which contain several bets

Note: Bet re-offer is available only for pre-match betting. It is not available for live betting.

Note: By default, the bet re-offer functionality is disabled on MTS side. If you would like it to be activated, please contact the MTS OAM team (or MTS CI team during the integration).

Note: MTS also offers the possibility of using the combination of alternative stake for live bets and Bet re-offer for pre-match bets.

6.8.1. Technical Specification

Two new parameters have been added to Ticket 2.x:

- **ticket.reofferRefId** – ID of re-offered ticket
- **ticket.bets[i].reofferRefId** – ID of re-offered bet

Example of bet re-offer communication is here: [10.19 Bet Re-Offer Accepted by MTS Example](#) and [10.20 Bet Re-Offer Rejected by MTS Example](#).

Ticket acceptance/rejection JSON 2.3 parameters are stated in [Table 6-21 Ticket response.reoffer](#).

6.9. Alternative Odds (Previously Referred to as – “Odds Change Auto Acceptance”)

For sportsbetting platforms which allow the end customer to confirm their consent to accept odds changes occurring during the bet placement process, MTS offers the possibility to accept incoming ticket requests regardless of an odds change. There are three possible options which MTS supports. These options are configurable per ticket via parameter **oddsChange**:

- **none** – no odds change accepted (default)
- **any** – any odds change accepted
- **higher** – accept only higher odds in comparison to odds in the initial bet sent to MTS

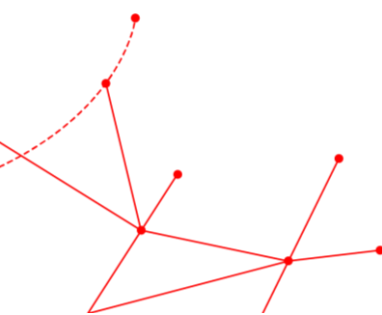
In the response, MTS will send accepted odds in object `autoAcceptedOdds`. E.g.:

```

“autoAcceptedOdds” : [
  {
    “selectionIndex”: 1,
    “requestedOdds”: 18400,
    “usedOdds”: 19000
  }
]

```

Note: This functionality is available only for UOF clients. By default, it is disabled on MTS side. To enable it, MTS Client needs to contact MTS Operational Account Manager (OAM).



6.9.1. Ticket Acceptance Flow in Case of Alternative Odds

None: With “none” in the oddsChange field or not flagged so MTS has assigned “none” as default Tickets will be rejected, if the current bookmaker odds are different to the odds received in the ticket. In this case the ticket will be rejected with code -430 “Odds sent in Ticket Different to Bookmakers Current Odds”, e.g. ticket#77777 Odds are different to current Bookmaker Odds for this selection (Soccer, Belgium, Beloften Pro League, Group A, KAA GENT - LIERSE SK, 3way , LIERSE SK)! If there was no change to the bookmaker’s odds during the validation process, validation will run as normal and against the bookmaker’s odds.

Any: With “any” in the oddsChange field

If there was any change to the bookmaker’s odds during the validation process, the odds in the ticket WILL BE changed, the bookmaker’s new/current odds will replace the odds that were received at the time of ticket placement. All other checks will run as normal.

For Multiples, if there was any change to the bookmaker’s odds for one or more of the selections during the validation process, the odds in the ticket will be changed. The bookmaker’s new odds will replace the odds that were received at the time of ticket placement for those selections. All other checks will run as normal.

In this case, reply to ticket acceptance request will contain “autoAcceptedOdds” object with three fields: ”selectionIndex”, “requestedOdds” and “usedOdds”.

If there was no change to the bookmaker’s odds during the validation process, then there will be no change to the odds in the ticket and validation will run as normal and against the bookmaker’s odds.

Example is presented in [10.29 Bet with Enabled Alternative Odds](#).

Higher: With “higher” in the oddsChange field

If there was a change to the bookmaker’s odds where the odds got higher during the validation process, the odds in the ticket will be changed. The bookmaker’s current odds will replace the odds that were received at the time of ticket placement. All other checks run as normal.

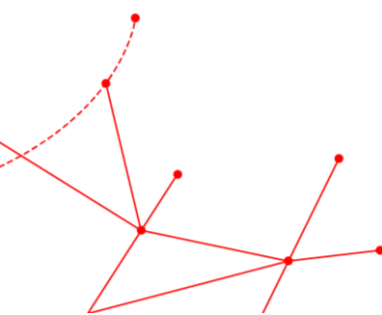
For Singles/Multiples, If there was a change to the bookmakers odds for one or more of the selections where the odds got lower during the validation process, then the bet will be rejected with code -431 “Odds sent in Ticket Higher than Bookmakers Current Odds”, e.g.ticket#77777 has higher Odds than Bookmaker Odds for this selection (Soccer, Belgium, Beloften Pro League, Group A, KAA GENT - LIERSE SK, 3way , LIERSE SK)!

If there was no change to the bookmaker’s odds during the validation process, then there will be no change to the odds in the ticket and validation will run as normal and against the bookmaker’s odds.

6.10. Ticket Cancellation

Within the betting industry it is sometimes necessary for a bookmaker/punter to cancel an entire bet or a portion of it. This can happen due to various scenarios, but in all cases, MTS will need to receive a cancellation request so that records between the bookmaker and MTS are aligned. Within MTS we have a pre-defined list of acceptable reasons for bet cancellations that are supported.

During integration, the OAM team will identify the required cancellation types and activate them for the client (including setting various configuration options). For any cancellation scenarios not listed, please also contact OAM, as these may be added but may require agreement between Sportradar and the client.



Each supported cancellation has a specific code and a corresponding reason message (please see the table below).

Table 6-23 Cancellation Options

Reason Code	Reason Message
101	Customer triggered Pre-match bet cancellation
102	Time Out triggered bet cancellation (partial cancellation is not available)
103	Bookmaker's Backoffice triggered bet cancellation
104	Bookmaker's Technical issue triggered bet cancellation
105	Exceptional bookmaker triggered bet cancellation
301	Bet cancellation triggered by SOGEI (applicable for Italian jurisdictions)
302	Bet cancellation triggered by SCCS (applicable for Belorussian jurisdictions)

Customer triggered Pre-match bet cancellation (cancellation code 101)

Should be used to request a bet cancellation when a punter has cancelled a Pre-Match bet (fully or partially).

Time Out triggered bet cancellation (cancellation code 102)

Should be used to request a bet cancellation if a ticket response was not received by the client from the MTS service within a specific amount of time (suggest time period = 16 seconds). Code 102 is not available for partial cancellations.

Bookmaker's Back office triggered bet cancellation (cancellation code 103)

Should be used if a ticket was sent with incorrect information (i.e. manual error – wrong selection / odds / stake / account number etc) and the bet needs to be cancelled (fully or partially) and then re-sent with correct information.

Bookmaker's Technical issue triggered bet cancellation (cancellation code 104)

Should be used if a client encounters technical difficulties on their side and needs to cancel bets after the technical issue has been resolved. Code 104 is not available for partial cancellations.

Exceptional circumstances bookmaker triggered bet cancellation (cancellation code 105)

There can be other unforeseen occasions where cancellations (full or partial) may need to be requested (other than the above-mentioned cancellations). In these instances, this cancellation code should be used.

Bet cancellation triggered by SOGEI (cancellation code 301)

Should be used to inform MTS of cancellations triggered by SOGEI.

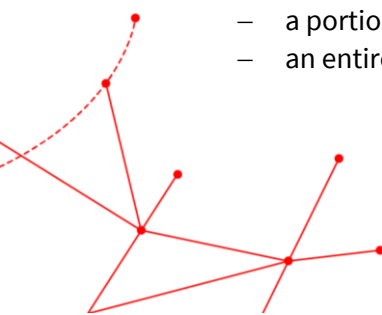
Bet cancellation triggered by SCCS (cancellation code 302)

Should be used to inform MTS of cancellations triggered by SCCS.

6.10.1. Partial Cancellation

With partial cancellation feature, available since June 2019, it is possible to cancel:

- an entire ticket,
- a portion of a ticket,
- an entire bet of a multi-bet ticket,



- a subset of bets of a multi-bet ticket,
- a portion of a bet of a multi-bet ticket,
- custom portions of different bets of a multi-bet ticket.

Bookmakers can send as many partial Cancellation requests as they want, provided that the Cancellation ratio of each Cancellation request includes all previous Cancellation requests' values. MTS does not aggregate Cancellation ratio values of individual requests and considers the last request as the final one.

6.10.2. Ticket Cancellation Request

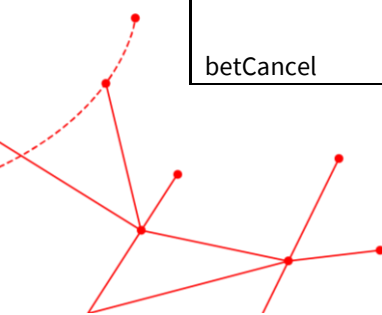
To cancel a specific ticket, the following message needs to be sent to MTS (check example in [12.1 Full Ticket Cancellation Request](#)):

Table 6-24 Ticket Cancellation

Parameter name	Nesting	Mandatory/Optional	Data type	Description
cancel	Table 6-25 Ticket cancellation.cancel	Mandatory	object	

Table 6-25 Ticket cancellation.cancel

Parameter name	Nesting	Mandatory/Optional	Data type	Description
timestampUtc	No	Mandatory	integer	Timestamp of ticket cancel placement (in UNIX time milliseconds), "minimum": 1, "maximum": 9223372036854775807
ticketId	No	Mandatory	string	Ticket id to cancel (in the client's system)
sender	Table 6-26 Ticket cancellation.sender	Mandatory	object	
code	No	Mandatory	integer	Cancellation code
cancelPercent	No	Optional	integer	Total cancellation ratio of the original ticket. In case of several partial cancellations, every successive request needs to be incremented by the previous ones. Quantity multiplied by 10 000 and rounded to a long value. Examples: 12.1 Full Ticket Cancellation Request and 12.3 Partial Ticket Cancellation Request
betCancel	Table 6-27 Bet cancellation.betCancel	Optional	object	Array of bet IDs with respective cancellation amounts (and ratios). Applicable only if cancelPercent on a ticket level is null.



version	No	Mandatory	string	JSON format version (current is '2.3')
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Table 6-26 Ticket cancellation.sender

Parameter name	Nesting	Mandatory/Optional	Data type	Description
bookmakerId	No	Mandatory	integer	Betradar's Bookmaker ID

Table 6-27 Bet cancellation.betCancel

Parameter name	Nesting	Mandatory/Optional	Data type	Description
id	No	Mandatory	string	Bet ID of the cancelled bet.
cancelPercent	No	Optional	integer	Total cancellation ratio of the original bet. In case of several partial cancellations, every successive request needs to be incremented by the previous ones. Quantity multiplied by 10 000 and rounded to a long value. Examples: 12.2 Full Bet Cancellation Request and 12.4 Partial Bet Cancellation Request

6.10.3. Response for Ticket Cancellation

Table 6-28 Ticket cancellation response

Parameter name	Nesting	Mandatory/Optional	Data type	Description
version		Mandatory	string	JSON format version (current is '2.3')
signature		Mandatory	string	MAC Response signature (previous betAcceptanceId)
result	Table 6-29 Ticket Cancellation response.result	Mandatory	object	

Table 6-29 Ticket Cancellation response.result

Parameter name	Nesting	Mandatory/Optional	Data type	Description
status	No	Mandatory	string	Cancellation status. Enumerator: - "cancelled" - "not_cancelled"
reason	Table 6-30 Ticket Cancellation response.reason	Mandatory	object	
ticketId	No	Optional	string	Ticket id

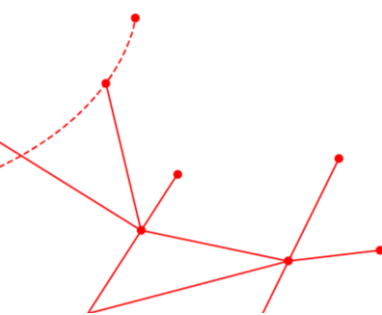
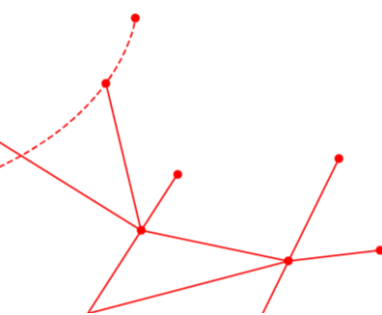


Table 6-30 Ticket Cancellation response.reason

Parameter name	Nesting	Mandatory/Optional	Data type	Description
code	No	Mandatory	integer	Cancellation code(s) which are stated in Table 6-31 Ticket Cancellation Response Codes
message	No	Optional	string	Cancellation rejection reason description

Table 6-31 Ticket Cancellation Response Codes

Code	Description
1024	Ticket Cancellation accepted
-2010	Ticket not found
-2011	Inconsistent ticket bookmaker Code
-2012	Ticket contains live selections
-2013	Ticket time for cancellation expired
-2015	Cannot be cancelled because it contains pre-match selection
-2016	Cannot be cancelled because particular cancellation option is not active
-2017	Cannot be cancelled because ticket is already settled
-2018	Cannot be cancelled because ticket is already cancelled
-2019	Cancel factor is out of bounds (when the cancellation factor is outside the allowed range of 0-100%)
-2020	Cancel factor is lower than existing (when the cancellation factor is lower than the previous one)
-2021	Cannot be cancelled because bet id was not found
-2022	Ticket already settled manually
-999	Generic exception code



6.11. Cashout

The Cashout feature allows operators to offer end customers an opportunity to lock in a profit before a bet result is actually known. Basically, Cashout is where an operator can offer the end customer a payout for a bet before the outcome of the bet is known. The actual Cashout value must be calculated by the client, but Sportradar does offer the UOF probability service to help client calculate such Cashout values.

Note: Since June 2019, MTS is able to handle multiple partial Cashout requests.

In order to offer Cashout to MTS Clients, Sportradar currently offers two services:

1. UOF Probability. The UOF Probability service is a part of the Unified Odds Feed and provides probabilities for live selections that are not closed/settled. UOF contains the current probabilities, however, there will be instances where lines (SOV's) have changed, and in these cases Sportradar does not send any probabilities in the feed for the original Special Odds Value (SOV) as it has been changed. In such cases, Sportradar clients can use the UOF Probability service to retrieve probabilities.

More information can be found in the UOF documentation, chapter **Probabilities and Cashout endpoints**.

2. MTS Cashout protocol, which allows the Operator to inform MTS about already processed Cashouts for Pre-Match and Live tickets - singles, multiples (accumulator) and system bets.

Clients can choose to use the UOF probability service to help calculate Cashout values or calculate them themselves, but either way they need to use the MTS Cashout Protocol to inform MTS of all Cashouts. MTS does not provide risk management for the Cashouts. The Operator is simply informing MTS about already cashed out bets. In this case, liabilities will be recalculated according to the received information of the Cashouts. The receipt of Cashout information does not have an immediate effect on invoicing for the MTS services between Sportradar and the Operator.

Note: MTS cannot be used to validate and verify Cashout amount before offering it to the end customer.

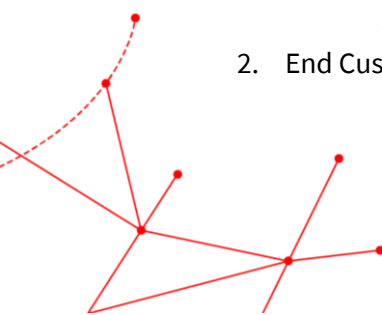
Note: By default, the Cashout functionality is disabled on the MTS side. If your platform supports Cashout and you need the Cashout receipt activated in MTS, please contact the MTS OAM team.

6.11.1. Cashout Flow

From a procedural perspective, the Cashout flow is slightly different to the bet cancellation flow. Before accepting the ticket cancellation, the Operator will send the appropriate ticket cancellation request to MTS. Only if the ticket cancellation request is accepted by MTS, the Operator can finalize the bet cancellation transaction.

In case of a Cashout, the Operator sends the appropriate message to MTS after the Cashout offer is accepted by the punter and paid out (post-factum).

1. Operator offers Cashout to end customer
 - a. Betradar offers probabilities for events which are available for Live betting (check chapter **Probabilities and cashout endpoints** in [UOF documentation](#))
2. End Customer accepts Cashout offer



3. Operator finalizes Cashout and sends appropriate request to MTS
4. If MTS accepts the ticket Cashout request, the flow is then complete
5. If MTS declines the ticket Cashout request, the Operator will need to contact the OAM in this instance.

6.11.2. Ticket Cashout Requests

Examples of Cashout communication on a ticket level are presented in:

- [10.21 Full Ticket Cashout Request Accepted by MTS](#)
- [10.22 Full Ticket Cashout Request Declined by MTS](#)
- [10.23 Full Bet Cashout Request Accepted by MTS](#)
- [10.24 Full Bet Cashout Request Declined by MTS](#)
- [10.25 Partial Ticket Cashout Request Accepted by MTS](#)
- [10.26 Partial Ticket Cashout Request Declined by MTS](#)
- [10.27 Partial Bet Cashout Request Accepted by MTS](#)
- [10.28 Partial Bet Cashout Request Declined by MTS](#)

MTS can receive Cashout requests regarding Cashouts of Live and Pre-match bets as well as for singles, multiples and system bets. A Cashout request will be accepted by MTS only if the following conditions are met:

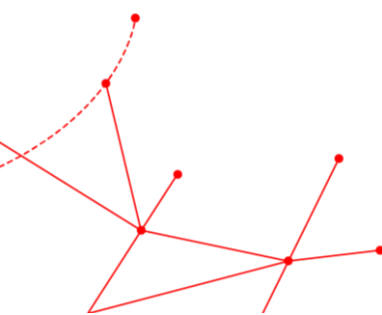
- Events must be managed by MTS from a risk management perspective,
- Ticket Cashout value is equal to or lower than the maximum possible payout (Ticket Total Stake × Ticket Total Odds)
 - Ticket Total Stake – Stake amount in the original ticket
 - Ticket Total Odds – Product of all selection odds in the original ticket

A ticket can be cashed-out in its entire or partial value. In the case of partial Cashout, a portion of the ticket's current value is paid out to the punter, while the remaining part still depends on the final outcome of the event. In this case, apart from the Cashout amount, the Cashout request must also include the ratio of the ticket the punter has cashed-out, and MTS will validate if the provided Cashout value is equal to, or lower than the same ratio of the maximum possible payout of the ticket. If a ratio is not provided, MTS will assume the ticket was fully cashed-out.

Bookmakers can send as many partial Cashout requests as they want, provided that the Cashout amount and ratio of each Cashout request includes all previous Cashout requests' values. MTS does not aggregate Cashout amount and ratio values of individual requests and considers the last request as the final one.

With minor modifications of the Cashout request, it is possible to Cashout – fully and partially – a single bet or a subset of bets within a multi-bet ticket, with custom Cashout ratios for each bet.

In the future, after the Cashout request is accepted by MTS, liabilities from that particular ticket, or a respective part of it, will be removed. Currently, liabilities are released only in case of full Cashout requests, even if the full Cashout is reached by a sequence of partial cashouts.



6.11.3. Cashout Request Format

Table 6-32 Ticket Cancellation Request

Parameter name	Nesting	Mandatory/Optional	Data type	Description
ticketId	No	Mandatory	integer	ID of the cashed-out ticket
sender	Table 6-33 Ticket Cashout Request sender	Mandatory	object	
cashoutStake	No	Mandatory (either on the ticket level or bet level)	integer	Total Cashout amount in the same currency as the original ticket. In case of several partial Cashouts, every successive request needs to be incremented by the previous ones. Applicable only when performing ticket level Cashouts. Quantity multiplied by 10 000 and rounded to a long value. Examples: 10.21 Full Ticket Cashout Request Accepted by MTS and 10.25 Partial Ticket Cashout Request Accepted by MTS
cashoutPercent	No	Optional	integer	Total Cashout ratio of the original ticket. In case of several partial Cashouts, every successive request needs to be incremented by the previous ones. Applicable only when performing ticket level Cashouts. Quantity multiplied by 10 000 and rounded to a long value. Examples: 10.21 Full Ticket Cashout Request Accepted by MTS and 10.25 Partial Ticket Cashout Request Accepted by MTS
betCashout	Table 6-34 Bet Cashout Request betCashout	Optional	object	Array of bet IDs with respective Cashout amounts (and percentages). Applicable only if cashoutStake is null.
version	No	Mandatory	string	JSON format version (current is '2.3')

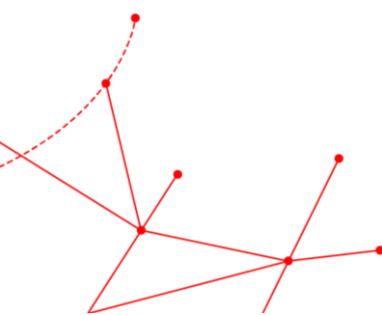
timestampUtc	No	Mandatory	integer	Timestamp of ticket Cashout placement (in UNIX time milliseconds)
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Table 6-33 Ticket Cashout Request sender

Parameter name	Nesting	Mandatory/Optional	Data type	Description
bookmakerId	No	Mandatory	integer	Betradar bookmaker ID

Table 6-34 Bet Cashout Request betCashout

Parameter name	Nesting	Mandatory/Optional	Data type	Description
id	No	Mandatory	string	Bet ID of the cashed-out bet.
cashoutStake	No	Mandatory (either on the ticket level or bet level)	integer	Total Cashout amount in the same currency as the original bet. In case of several partial Cashouts, every successive request needs to be incremented by the previous ones. Applicable only when performing ticket level Cashouts. Quantity multiplied by 10 000 and rounded to a long value. Examples: 10.23 Full Bet Cashout Request Accepted by MTS and 10.27 Partial Bet Cashout Request Accepted by MTS
cashoutPercent	No	Optional	integer	Total Cashout ratio of the original bet. In case of several partial Cashouts, every successive request needs to be incremented by the previous ones. Applicable only when performing ticket level Cashouts. Quantity multiplied by 10 000 and rounded to a long value. Examples: 10.23 Full Bet Cashout Request Accepted by MTS and 10.27 Partial Bet Cashout Request Accepted by MTS



6.11.4. Ticket Cashout Response

Table 6-35 Ticket Cashout Response

Parameter name	Nesting	Mandatory/Optional	Data type	Description
version		Mandatory	string	JSON format version (current is '2.3')
signature		Mandatory	string	MAC Response signature (previous betAcceptanceId)
result	Table 6-36 Ticket Cashout Response result	Mandatory	object	

Table 6-36 Ticket Cashout Response result

Parameter name	Nesting	Mandatory/Optional	Data type	Description
status	No	Mandatory	string	Cashout status. Enumerator: - "accepted" - "rejected"
reason		Mandatory	object	
ticketId	No	Mandatory	string	Ticket id

Table 6-37 Ticket Cashout Response reason

Parameter name	Nesting	Mandatory/Optional	Data type	Description
code	No	Mandatory	integer	Cashout code(s) which are stated in Table 6-38 Ticket Cashout Response Codes
message	No	Mandatory	string	Cashout acceptance/rejection reason description

Table 6-38 Ticket Cashout Response Codes

Code	Description
1024	Cashout or Non-SR settle accepted
-101	Bookmaker not found
-102	Cashout disabled for particular bookmaker ID or Limit ID
-103	Ticket not found
-104	Ticket rejected
-201	Ticket version lower than 2.0
-202	Ticket contains selection on un-managed event by MTS
-204	Cashout amount is too high
-205	Non-SR settle on fully SR ticket
-206	Non-SR settle on ticket with unknown result
-207	Non-SR settle on ticket with losing SR content selections

-206	Cashout factor is out of bounds (when the cashout factor is outside the allowed range of 0-100%) Note: Validation code will be changed to -208
-207	Cashout factor is lower than existing (when the cashout factor is lower than the previous one) Note: Validation code will be changed to -209

6.12. Non-Sportradar Content

With the Non-Sportradar content feature we added the support for consuming and accepting bets which include Non-Sportradar content (other feed providers). This gives customers, with multiple feed providers the possibility to send selections from their different contents within one bet. MTS provides risk management only for Sportradar content.

In this case the punter (end customer) can combine selections from different contents on the same ticket.

Different options of selections on ticket:

- Pure Sportradar content selections (only Sportradar content selections appear in bet)
- Mixed content selections (Sportradar and Non-Sportradar content selections appear in bet)
- Pure Non SR content selections (only Non-Sportradar content selections appear in bet)

Example of ticket with Non SR content is given in [10.15 Single Bet with Pre-Match Non-Sportradar Content Selection](#) and in [10.16 3-Fold with Mixed \(SR And Non-SR Content\) Selections](#).

Note: Support of Non-Sportradar content is disabled by default. To enable it, operator needs to contact MTS Operational Account Manager (or MTS Client Integration Engineer during integration process).

Note: In case of mixed content bets, risk management will be provided only for Sportradar content.

Note: System bets are not possible when Non-SR content selection is present.

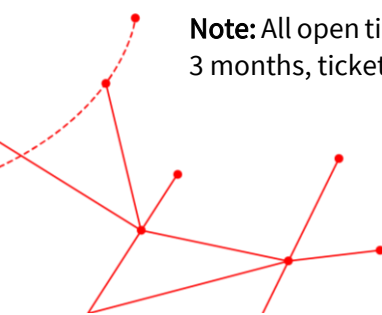
Cashout is possible only without any validations just that the maximum payout is not breached.

6.12.1. Bet with Non-Sportradar Content Placement Flow

Operator needs to assemble a bet with non-Sportradar content.

1. On selection level:
 - a. Value of selections.eventId should start from “nonsr:match:”, followed by anonymized, unique integer (eg. "eventId" : "nonsr:match:736977").
 - b. Value of selections.id should start from either “ext-pre:” (pre-match event) or “ext-live:” (live event), followed by the bookmaker ID, followed by the anonymized selection identifier (eg. "id" : "ext-pre:9985:s77").
 - c. Value of selections.odds should be the currently valid odds multiplied by 10 000 (eg. "odds" : 10100).
2. On ticket level:
 - a. “lastMatchEndTime” has to be present on the ticket in case selectionID is in Non-SR type. Its value should always be set to one second before midnight of the last Non-Sportradar event end date (eg. for event ending on 27.6.2019 15:00 UTC, the field should be sent as “lastMatchEndTime”: 1561679999000).

Note: All open tickets with the “lastMatchEndTime” value older than 30 days will be settled as lost. After 3 months, tickets will be archived.



6.12.2. Settlement of Tickets with Non-Sportradar Content

To settle a ticket, the Operator needs to send settlement information to MTS via cashout protocol by sending the total win amount (between 0 and the maximum payout). Settlement information must be sent within 30 days of the “lastMatchEndTime” value. In case it is not sent, the ticket will automatically be settled as lost.

MTS will respond with accepted or declined settlement information and the respective code.

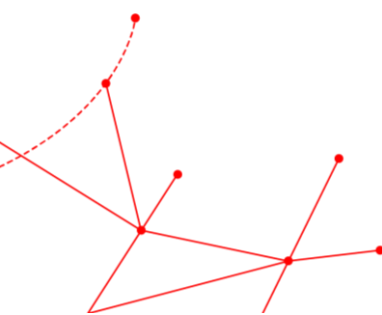


Table 6-39 Non-Sportradar Content Response Codes

Code	Description
1024	Cashout or Non-SR settlement accepted
-205	Non-SR settlement sent for ticket including only SR content
-206	Non-SR settlement sent for ticket with unknown result
-207	Non-SR settlement sent for ticket with losing SR content selection(s)

Example:

Request:

```
{
  "timestampUtc" : 1568788917627,
  "ticketId" : "NonSR_20190918064110_3114018",
  "sender" : {
    "bookmakerId" : 9985
  },
  "nonSrSettleStake" : 101000,
  "version" : "2.3"
}
```

Response:

```
{
  "result" : {
    "ticketId" : "NonSR_20190918064110_3114018",
    "status" : "accepted",
    "reason" : {
      "code" : 1024,
      "message" : "Non-SR settle accepted"
    }
  },
  "signature" : "+qeNk//LMkyoio1RCff4iSFzWxypC9m3Wxd//H3/VdY=",
  "version" : "2.3"
}
```

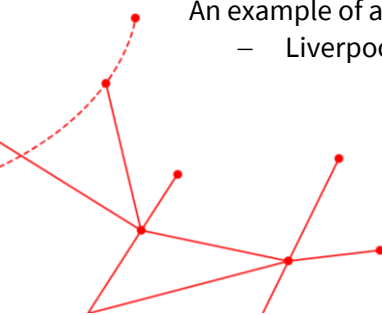
Full flow of a ticket with Non-Sportradar Content can be found here: [10.15 Single Bet with Pre-Match Non-Sportradar Content Selection](#).

6.13. Custom Bet

Custom Bet is an extension for Unified Odds Feed customers and provides two additional connection endpoints. These endpoints provide information for creation of custom-tailored bets for a specific match. Custom Bet adds possibility to combine a wide range of betting markets into one single odds and probabilities calculation, in much the same way as an accumulator (a single wager made up of multiple selections).

An example of a Custom Bet could include a combination of the following markets:

- Liverpool to win the match



- Liverpool to score most goals in the first half
- Liverpool to score most goals in the second half
- Liverpool to win corner 1x2
- Total over 2.5

This means that it is possible to combine markets that would previously have been blocked due to related contingencies.

Note: Custom Bet only exposes API endpoints, the front-end will need to be provided by the customer.

Note: Custom Bet is currently only available for Soccer matches, and for pre-match only.

Note: This functionality is available only for UOF clients with an active “Custom Bet” package.

The PDF version of the Custom Bet documentation is available [here](#).

XSD files for Custom Bet can be found [here](#).

The market overview for Custom Bet and Unified Odds Feed can be found [here](#).

6.13.1. Ticket Acceptance Flow in Case of Custom Bet

Starting from ticket version 2.3, MTS supports Custom Bet for customers with “Custom Bet” package enabled in Unified Odds Feed.

After a Custom Bet request with eligible markets is sent to Custom Bet API and the response is received, the customer sends a ticket to MTS as any other single bet ticket with up to 10 selections. Multi-bets and accumulator bets with a mix of Custom Bet with other selections are currently not supported.

Updated ticket version contains two new fields within the “bets” array:

- “bets[i].customBet”: used to identify a Custom Bet and triggers an adjusted validation flow, and
- “bets[i].calculationOdds”: value received from the Custom Bet API, multiplied by 10 000 and used instead of the product of individual selection odds for validation purposes.

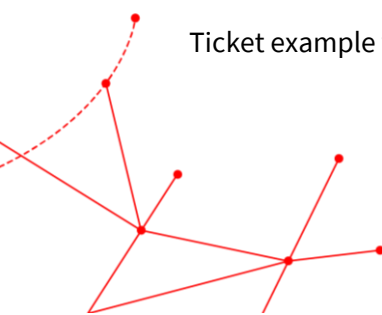
Instead of checking individual selection markets and odds, MTS will send a Custom Bet request with the same set of markets to Custom Bet API and the bet will be validated against the response. New rejection codes are introduced for failed validation cases:

- -440: for cases where MTS does not receive a response from Custom Bet API (the customer does not have an active Custom Bet package, markets are no longer active, the event is no longer active...),
- -441: for cases where the odds received in the ticket are higher than those received in the response of repeated Custom Bet request.

Note: MTS currently supports only single-bet tickets with up to 10 selections. It is not possible to combine Custom Bet selections with other, regular selections within one bet.

Updated “bets” array can be found above: [Table 6-6 Bets Array](#).

Ticket example with a Custom Bet can be found here: [10.30 Custom Bet](#).



6.14. Initial Support for “Agent System” Bet Distribution

MTS ticket version 2.3 introduces a new field as a rudimentary support for “agent system” bet distribution. The system is common among Asian bookmakers and is characterized by splitting the liability between various levels: Agent, Master Agent, Super Master Agent and the Bookmaker.

MTS needs to manage the risk of the highest, Bookmaker level, as well as inform the users of the whole liability distributed between the different levels, even though unmanaged by the MTS.

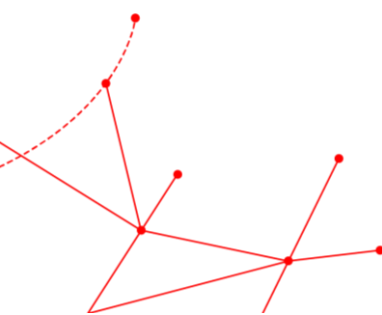
The “`bets[i].entireStake`” object is added in the MTS ticket version 2.3 as a first step. It is a part of “`bets`” array and it consists of:

- “`bets[i].entireStake.value`”: entire stake amount in local currency multiplied by 10 000 and rounded to a long value (minimum: 1; maximum: 1000000000000000000),
- “`bets[i].entireStake.type`”: type of stake (“total” for all bets within the ticket or “unit” for individual bets within a multi-bet ticket).

The latest “`bets`” array can be found above: [Table 6-6 Bets Array](#).

Ticket example with an “`bets[i].entireStake`” field can be found here: [10.31 Ticket example with “entireStake”](#).

There is no difference in MTS ticket validation flow – “`stake`” object is still used to inform MTS of the bookmaker’s part of the liability and the rest of the flow remains the same. For the time being, “`bets[i].entireStake`” will only be used for reporting purposes.



7. Sportsbetting Bonus

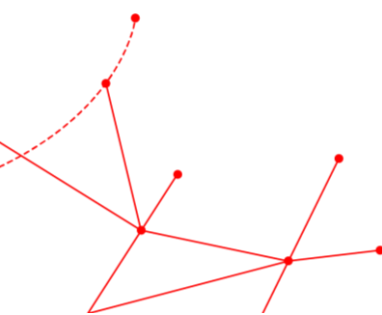
For operators offering a sportsbetting bonus to their end customers (end customer receiving a % uplift on the winning amount depending on the number of selections in an accumulator bet) this bonus information should be included in the ticket sent to the MTS-system as additional information in the ticket data.

If such a bonus is offered, the bonus winning amount must be included in the field „bets[i].bonus.value”. „bets[i].bonus.value” and have the same field type and dimension as the field „bets[i].stake.value”.

An example can be found in section: [10.12 4-Fold Accumulator with 80 Cents Sportsbetting](#).

The bonus value information does not directly affect liability and risk validation parameters but is used by the MTS Trading Department and the MTS system in the continuous ticket monitoring to detect betting pattern variations which could be driven by bonus playing motivation by punters.

Note: MTS support only this type of bonus. Free bets or bets based on promotion credits are considered as bets based on real money as they are creating same level of risks as bets on real money.



8. Ticket Acceptance and Ticket Cancellation Acknowledgement

By default, client using the MTS service should follow the MTS bet acceptance suggestions and responses to ensure the correctness of the liability validations.

The MTS service assumes acknowledgment of the ticket by default for acceptance or rejection. Where agreed and set up during the integration process, bet cancellation requests can be sent by the client to the MTS service for selected business scenarios.

This results in the following 3 main transaction flows:

- Bet is accepted by MTS service, same bet is accepted on client's side
- Bet is rejected by MTS service, same bet is rejected on client's side
- Bet cancellation request is acknowledged by MTS service, cancellation for same bet is completed on client's side (where bet cancellations have been defined and enabled for the client)

A deviation to the above standard flows (where the client cannot process the MTS response as expected) should be treated as an exception and requires a Non-Acknowledgement message to be sent to the MTS service. This short message must contain Timestamp, SR Ticket ID and a value referring to Non-Acknowledgment Status.

Below you will find the format description for bet acceptance and cancellation acknowledgement messages.

Please note that acknowledgment messages are expected to be received in a predefined period to be processed by the MTS service. (Default acceptance period is 10 seconds)

Please contact the MTS Client Integration team if non-acknowledgments are required and in case the default acceptance period is not sufficient.

Examples can be found in section: [10.17 Ticket Acknowledgment: Rejected Ticket by MTS But Accepted by Bookmaker](#).

Table 8-1 Ticket Acceptance Acknowledgement

Parameter name	Nesting	Mandatory/Optional	Data type	Description
sender	Table 8-2 Ticket Acceptance acknowledgement.sender	Mandatory	object	
ticketId	No	Mandatory	string	
ticketStatus	No	Mandatory	string	Enumerator: - "accepted" - "rejected"
timestampUtc	No	Mandatory	integer	
version	No	Mandatory	string	
code	No	Optional	integer	Placeholder for future functionality. Any positive

				integer value can be used as dummy value.
message	No	Optional	string	

Table 8-2 Ticket Acceptance acknowledgement.sender

Parameter name	Nesting	Mandatory/Optional	Data type	Description
bookmakerId	no	Optional	integer	

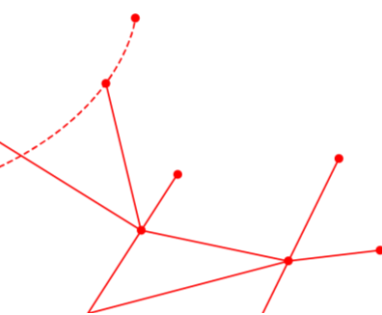
8.1. Ticket Cancellation Acknowledgement

Table 8-3 Ticket Cancellation Acknowledgment

Parameter name	Nesting	Mandatory/Optional	Data type	Description
sender	-->	Mandatory	object	
ticketId	No	Mandatory	string	
ticketCancelStatus	No	Mandatory	string	Enumerator: - "cancelled" - "not_cancelled"
timestampUtc	No	Mandatory	integer	
version	No	Mandatory	string	
code	No	Optional	integer	
message	No	Optinal	string	

Table 8-4 Ticket Cancellation acknowledgement.sender

Parameter name	Nesting	Mandatory/Optional	Data type	Description
bookmakerId	No	Optional	integer	



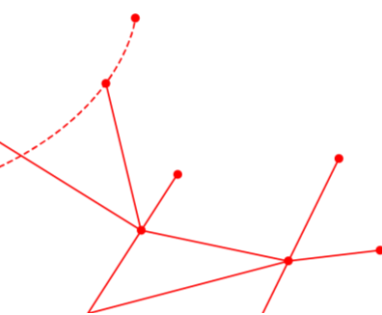
9. Exchange Rates

The system currency of the MTS-service is Euro.

The MTS service uses the **OpenExchange** service (<https://openexchangerates.org>) as the exchange rate source to convert ticket values in non-EUR currencies to EUR. Rates are updated every full hour.

Rates are applied in the following way:

- Rates are applied using 6 decimals after comma.
- On ticket level the rate at bet acceptance time is applied for stake calculation in EUR.
- Winnings values are calculated based on the converted EUR values for stakes at bet acceptance time.

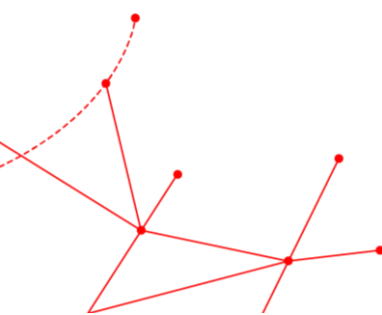


10. Appendix A: Valid Tickets

10.1. Ticket with Live single bet with 3-Way market

Ticket placed from **mobile device** with single bet on **Live event** (Soccer -> International Clubs -> Club Friendly Games -> NEC Nijmegen VS ADO Den Haag) event (Event ID: **sr:match:16470657**), **Correct score(1:1)** outcome. Stake amount is **12.00 Danish Krone**. Bet was placed from Sportsbook interface in **Spanish**.

{	
"timestampUtc" : 1545046287324,	UNIX timestamp in UTC
"bets" : [{	
"stake" : {	
"value" : 120000,	Stake 12.00 multiplied by 10 000
"type" : "total"	
},	
"id" : "Ticket_20181217113126_3690_0",	
"selectedSystems" : [1]	Single bet
}],	
"ticketId" : "Ticket_20181217113126_3690",	
"selections" : [{	
"eventId" : "sr:match:16470657",	EventID as it comes from UOF
"id" : "uof:1/sr:sport:1/45/286",	Market URL based on UOF IDs
"odds" : 71000	Odds value 7.1 multiplied by 10 000
}],	
"sender" : {	
"currency" : "DKK",	Danish Krone currency identifier
"channel" : "mobile",	Bet was placed from a mobile device
"bookmakerId" : 9985,	
"endCustomer" : {	
"ip" : "212.7.5.2",	
"languageId" : "ES",	Bet was placed from Spanish interface
"id" : "endCustomer_e34t45"	
},	
"limitId" : 1409	
},	
"version" : "2.3"	
}	



Response:

```
{
  "result" : {
    "ticketId" : "TicketGenerator_20181217113126_3690",
    "status" : "accepted",
    "reason" : {
      "code" : 1024,
      "message" : "Ticket accepted"
    },
    "betDetails" : [ ]
  },
  "version" : "2.3",
  "signature" : "yBxovwa898U0ntn0tNt+0z111Tk0zw6rzJScbtJ+vmQ=",
  "exchangeRate" : 74653
}
```

10.2. Pre-match Single Bet Ticket

Ticket with single bet on **Pre-match** (Basketball -> Germany-> Pro A -> Arland Dragons vs Ehingent) (Event ID: [sr:match:15050881](#)), “3way” market, “**Home**” outcome. Bet was placed from online/ desktop web page(**Online** distribution channel) in **USD** from **English** interface.

```
{
  "timestampUtc" : 1545044372354,
  "bets" : [ {
    "stake" : {
      "value" : 20000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20181217105932_3672_0",
    "selectedSystems" : [ 1 ]
  } ],
  "ticketId" : "TicketGenerator_20181217105932_3672",
  "selections" : [ {
    "ventide" : "sr:match:15050881",
    "id" : "uof:3/sr:sport:2/1/1",
    "odds" : 12300
  } ],
  "sender" : {
    "currency" : "USD",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "212.7.5.21",
      "languageId" : "EN",
      "id" : "user_3454"
    },
    "limitId" : 1409
  },
  "version" : "2.3"
}
```

```
}

```

Response:

```
{
  "result" : {
    "ticketId" : "TicketGenerator_20181217105932_3672",
    "status" : "accepted",
    "reason" : {
      "code" : 1024,
      "message" : "Ticket accepted"
    },
    "betDetails" : [ ]
  },
  "version" : "2.3",
  "signature" : "pkXihF0xYRprL2H0F6rYCy5/wyPT/IVSY0iF83c0YxE=",
  "exchangeRate" : 11329
}
```

10.3. Double Pre-match

Ticket with double bet on two **pre-match** selections:

1. Ice Hockey -> USA -> NHL -> Outright- -> Tampa Bay Lightning (Event ID: [sr:season:54837](#))
2. Soccer -> Portugal -> Segunda Liga -> Handicap 1:0 -> Draw (Event ID: [sr:match:14950205](#))

Bet type is defined by values in “selectedSystems” array. Value 2 means that two selections should be settled as Won to settle entire bet as Won.

```
{
  "timestampUtc" : 1545044012850,
  "bets" : [ {
    "stake" : {
      "value" : 10000,
      "type" : "total"
    },
    "id" : "ticket_example_20181217105332_3668_0",
    "selectedSystems" : [ 2 ]
  } ],
  "ticketId" : "ticket_example_20181217105332_3668",
  "selections" : [ {
    "ventide" : "sr:season:54837",
    "id" : "uof:3/sr:sport:4/534/pre:outcometext:9826?variant=pre:markettext:62723",
    "odds" : 13600
  }, {
    "ventide" : "sr:match:14950205",
    "id" : "uof:3/sr:sport:1/14/1712?hcp=1:0",
    "odds" : 40000
  } ],
  "sender" : {
    "currency" : "mBTC",
    "channel" : "internet",

```

```

    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "id" : "endCustomer_384d54"
    },
    "limitId" : 1409
  },
  "version" : "2.3"
}

```

Response:

```

{
  "result" : {
    "ticketId" : "ticket_example_20181217105332_3668",
    "status" : "accepted",
    "reason" : {
      "code" : 1024,
      "message" : "Ticket accepted"
    },
    "betDetails" : [ ]
  },
  "version" : "2.3",
  "signature" : "gbWLTyawNEqPTqJEVPE5bolCwKrV4+i9yQS9/erMU4=",
  "exchangeRate" : 3482
}

```

10.4. Treble on Pre-match and Live

Three selections are listed in the object “selections”:

1. 2 selections from UOF producer number 3 (pre-match odds UOF producer):
 - [uof:3/sr:sport:2/223/1715?hcp=1.5 with odds 1.10 multiplied by 10 000](#)
 - [uof:3/sr:sport:4/534/pre:outcometext:9919?variant=pre:markettext:60279](#) with odds 6.32 multiplied by 10 000
2. 1 selection from UOF producer number 1 (Live odds UOF producer)
 - [uof:1/sr:sport:1/1/2](#) with odds value 14.8 multiplied by 10 000
3. Object “selectedSystems” has value 3 which means three selections should win to indicate that entire bet is Won

```

{
  "timestampUtc" : 1545045779577,
  "bets" : [ {
    "stake" : {
      "value" : 2500000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20181217112257_3688_0",
    "selectedSystems" : [ 3 ]
  } ],
  "ticketId" : "TicketGenerator_20181217112257_3688",

```

```

"selections" : [ {
  "eventId" : "sr:match:14938771",
  "id" : "uof:3/sr:sport:2/223/1715?hcp=1.5",
  "odds" : 11000
}, {
  "eventId" : "sr:match:15163591",
  "id" : "uof:1/sr:sport:1/1/2",
  "odds" : 148000
}, {
  "eventId" : "sr:season:55413",
  "id" : "uof:3/sr:sport:4/534/pre:outcometext:9919?variant=pre:markettext:60279",
  "odds" : 63200
} ],
"sender" : {
  "currency" : "CZK",
  "channel" : "retail",
  "shopId" : "shop_789135",
  "bookmakerId" : 9985,
  "endCustomer" : {
    "languageId" : "EN"
  },
  "limitId" : 1409
},
"version" : "2.3"
}

```

10.5. System 3 / 4

In the example below, four selections are listed in the object “selections”:

1. [uof:3/sr:sport:1/1/3](#)
2. [uof:3/sr:sport:1/818/1849?total=1.5](#)
3. [uof:3/sr:sport:1/552/1747](#)
4. [uof:3/sr:sport:1/105/3?from=1&to=10](#)

Object “selectedSystems” has value 3 which defines that at least any of three selections from the four selections above should be settled as Won to settle bet as Won. In current example, system bet 3/4 contains 4 combinations. Each combination is a permutation of 3 selections from the 4 selections above.

```

{
  "timestampUtc" : 1545047547904,
  "bets" : [ {
    "stake" : {
      "value" : 80000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20181217115227_7_0",
    "selectedSystems" : [ 3 ]
  } ],
  "ticketId" : "TicketGenerator_20181217115227_7",

```

```

"selections" : [ {
  "eventId" : "sr:match:16498811",
  "id" : "uof:3/sr:sport:1/1/3",
  "odds" : 12100
}, {
  "eventId" : "sr:match:14741989",
  "id" : "uof:3/sr:sport:1/818/1849?total=1.5",
  "odds" : 84600
}, {
  "eventId" : "sr:match:14745109",
  "id" : "uof:3/sr:sport:1/552/1747",
  "odds" : 12500
}, {
  "eventId" : "sr:match:15324498",
  "id" : "uof:3/sr:sport:1/105/3?from=1&to=10",
  "odds" : 106200
} ],
"sender" : {
  "currency" : "EUR",
  "channel" : "internet",
  "bookmakerId" : 9985,
  "endCustomer" : {
    "ip" : "127.0.0.1",
    "languageId" : "EN",
    "id" : "7864545"
  },
  "limitId" : 935
},
"version" : "2.3"
}

```

10.6. System 3 / 4 Including 1 Banker

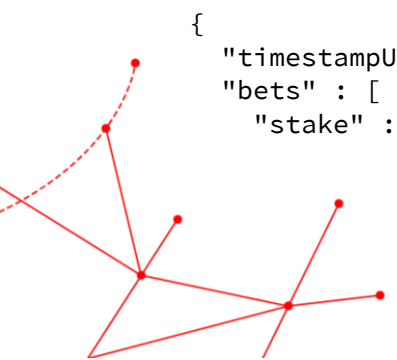
In the example below, bet contains

1. 4 selections:
 - a. [uof:3/sr:sport:1/18/13?total=3.5](#)
 - b. [uof:3/sr:sport:2/225/13?total=217.5](#)
 - c. [uof:3/sr:sport:2/303/1715?hcp=-0.5&quarternr=4](#)
 - d. [uof:3/sr:sport:1/37/800?total=2.5](#)
2. Object "selectionRefs" contains references for all four selections mentioned above. Enumerations starts from zero. It means that all 4 selections in the bet TicketGenerator_20181217115422_8_0 are indexed.
3. Object "selectedSystems" has value 3 which means at least three selections should be settled as Won to settle bet as Won.
4. Object "banker" in the second selection has value **true** which defines that second selection [uof:3/sr:sport:2/225/13?total=217.5](#) should be present in all combinations. In current example combination is permutation of 3 selections from 4 selections.

```

{
  "timestampUtc" : 1545047662269,
  "bets" : [ {
    "stake" : {

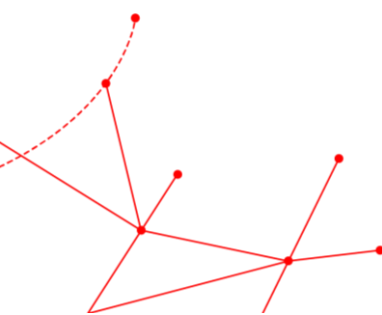
```



```

    "value" : 80000,
    "type" : "total"
  },
  "id" : "TicketGenerator_20181217115422_8_0",
  "selectedSystems" : [ 3 ],
  "selectionRefs" : [ {
    "selectionIndex" : 0,
    "banker" : false
  }, {
    "selectionIndex" : 1,
    "banker" : true
  }, {
    "selectionIndex" : 2,
    "banker" : false
  }, {
    "selectionIndex" : 3,
    "banker" : false
  } ]
} ],
"ticketId" : "TicketGenerator_20181217115422_8",
"selections" : [ {
  "eventId" : "sr:match:15036157",
  "id" : "uof:3/sr:sport:1/18/13?total=3.5",
  "odds" : 10900
}, {
  "eventId" : "sr:match:15331484",
  "id" : "uof:3/sr:sport:2/225/13?total=217.5",
  "odds" : 20800
}, {
  "eventId" : "sr:match:16484523",
  "id" : "uof:3/sr:sport:2/303/1715?hcp=-0.5&quarternr=4",
  "odds" : 15600
}, {
  "eventId" : "sr:match:14824675",
  "id" : "uof:3/sr:sport:1/37/800?total=2.5",
  "odds" : 188200
} ],
"sender" : {
  "currency" : "EUR",
  "channel" : "internet",
  "bookmakerId" : 9985,
  "endCustomer" : {
    "ip" : "127.0.0.1",
    "languageId" : "EN",
    "id" : "7864545"
  }
},
"limitId" : 935
},
"version" : "2.3"
}

```



10.7. System 3 / 5 Including 1 Ways

In the example below, a system bet 3/5 including selections from the same market and same event (**sr:match:15197779**) is presented. While performing the bet validation, MTS will split initial bet into combinations in a way that selections from the same event will not be in the same combination. In the case below, bet contains 7 combinations of trebles with unit stake distributed equally between all combinations.

```
{
  "timestampUtc" : 1545047887463,
  "bets" : [ {
    "stake" : {
      "value" : 80000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20181217115807_10_0",
    "selectedSystems" : [ 3 ]
  } ],
  "ticketId" : "TicketGenerator_20181217115807_10",
  "selections" : [ {
    "eventId" : "sr:match:15197779",
    "id" : "uof:3/sr:sport:1/1/3",
    "odds" : 30000
  }, {
    "eventId" : "sr:match:15197779",
    "id" : "uof:3/sr:sport:1/1/2",
    "odds" : 24800
  }, {
    "eventId" : "sr:match:14977307",
    "id" : "uof:3/sr:sport:1/46/356",
    "odds" : 703200
  }, {
    "eventId" : "sr:match:16384796",
    "id" : "uof:3/sr:sport:2/236/12?total=36.5&quarternr=1",
    "odds" : 16100
  }, {
    "eventId" : "sr:match:14887173",
    "id" : "uof:3/sr:sport:1/1/1",
    "odds" : 20800
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "id" : "7864545"
    }
  },
  "limitId" : 935
},
"version" : "2.3"
}
```

10.8. System 3 / 5 Including 1 Ways and 1 banker

```

{
  "timestampUtc" : 1545048120153,
  "bets" : [ {
    "stake" : {
      "value" : 70000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20181217120200_11_0",
    "selectedSystems" : [ 3 ],
    "selectionRefs" : [ {
      "selectionIndex" : 0,
      "banker" : false
    }, {
      "selectionIndex" : 1,
      "banker" : true
    }, {
      "selectionIndex" : 2,
      "banker" : false
    }, {
      "selectionIndex" : 3,
      "banker" : false
    }, {
      "selectionIndex" : 4,
      "banker" : false
    } ]
  } ],
  "ticketId" : "TicketGenerator_20181217120200_11",
  "selections" : [ {
    "eventId" : "sr:match:16343596",
    "id" : "uof:3/sr:sport:1/1/3",
    "odds" : 96000
  }, {
    "eventId" : "sr:match:14712131",
    "id" : "uof:3/sr:sport:1/545/1718",
    "odds" : 37000
  }, {
    "eventId" : "sr:match:15382648",
    "id" : "uof:3/sr:sport:1/548/1738",
    "odds" : 11800
  }, {
    "eventId" : "sr:match:15159925",
    "id" : "uof:3/sr:sport:1/882/76?player=sr:player:190437",
    "odds" : 10100
  }, {
    "eventId" : "sr:match:16343596",
    "id" : "uof:3/sr:sport:1/1/2",
    "odds" : 43200
  } ],
  "sender" : {

```

```

    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "id" : "7864545"
    },
    "limitId" : 935
  },
  "version" : "2.3"
}

```

10.9. Championship Outright

In case of Championship Outright, **season** specifier coming from UOF should be noted in **eventId**.

Note: Depending on the type of outright in UOF, there can also be a “simple_tournament” or “simple_season” specifier instead of “season” specifier.

```

{
  "timestampUtc" : 1548068032184,
  "bets" : [ {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "TicketGenerator_201901211105352_11_0",
    "selectedSystems" : [ 1 ]
  } ],
  "ticketId" : "TicketGenerator_201901211105352_11",
  "selections" : [ {
    "eventId" : "sr:season:54571",
    "id" :
    "uof:3/sr:sport:1/534/pre:outcometext:4861?variant=pre:markettext:59566",
    "odds" : 16800
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "deviceId" : "deviceId",
      "id" : "endCustomer"
    },
    "limitId" : 1409
  },
  "version" : "2.3"
}

```

10.10. Podium Outright

In case of Podium Outright, **season** value specifier coming from UOF should be noted in the **eventId**, and **winners** specifier from UOF should always be in selections.id.

```
{
  "timestampUtc" : 1548069101015,
  "bets" : [ {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "TicketGenerator_201901211111141_17_0",
    "selectedSystems" : [ 1 ]
  } ],
  "ticketId" : "TicketGenerator_201901211111141_17",
  "selections" : [ {
    "eventId" : "sr:season:54571",
    "id" : "uof:3/sr:sport:1/536/pre:outcometext:4871?winners=4&variant=pre:markettext:61103",
    "odds" : 11600
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "deviceId" : "deviceId",
      "id" : "endCustomer"
    },
    "limitId" : 1409
  },
  "version" : "2.3"
}
```

10.11. Two Single Bets on the Same Event Within One Ticket

This is a ticket example where punter/bettor/endCustomer chooses two selections from different markets, but from the same event. Before MTS ticket version 2.2, the Operator/Bookmaker needed to split such bets into several bets within the same ticket to resolve related contingency. Since MTS ticket version 2.2, it is no longer needed to split such bets. As an optional parameter, it is possible to include “totalCombinations” which defines the number of combinations generated by a particular bet. Where “totalCombinations” is included in the bet then MTS will compare this value with the number of combinations calculated by MTS. If there is a deviation, MTS will reject the bet. If the parameter “totalCombinations” is not in the bet, MTS will skip this comparison.

In the example below, three selections are listed:

1. **uof:3/sr:sport:2/229/72** from event: “**sr:match:15329094**”
2. **uof:3/sr:sport:2/1/1** from event: “**sr:match:15329094**”
3. **uof:3/sr:sport:1/78/84** from event “**sr:match:15382648**”

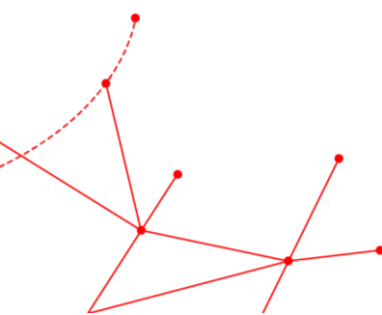
First two selections are related (from the same event). In other words, these two selections cannot be present in the same combination.

Additionally, “**selectedSystems**” has value 2. Therefore, the example below creates two combinations of doubles:

- first and third selections
- second and third selections

That is why “**totalCombinations**” is 2.

```
{
  "timestampUtc" : 1545048539572,
  "bets" : [ {
    "stake" : {
      "value" : 50000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20181217120859_15_0",
    "selectedSystems" : [ 2 ]
  } ],
  "ticketId" : "TicketGenerator_20181217120859_15",
  "selections" : [ {
    "eventId" : "sr:match:15329094",
    "id" : "uof:3/sr:sport:2/229/72",
    "odds" : 16300
  }, {
    "eventId" : "sr:match:15329094",
    "id" : "uof:3/sr:sport:2/1/1",
    "odds" : 11000
  }, {
    "eventId" : "sr:match:15382648",
    "id" : "uof:3/sr:sport:1/78/84",
    "odds" : 22900
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "id" : "7864545"
    },
    "limitId" : 935
  },
  "version" : "2.3",
  "totalCombinations" : 2
}
```

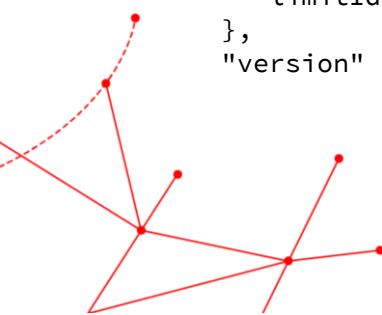


10.12.4-Fold Accumulator with 80 Cents Sportsbetting Bonus

In the example below, the value of “bonus” is 8 000 (0.80 EUR multiplied by 10 000). This value defines how much extra the operator is going to pay the end customer in case the bet is settled as Won.

Note: MTS only supports this type of Bonus. Free bets or bets based on promotion credits are considered as bets based on real money as they create the same level of risk as bets on real money.

```
{
  "timestampUtc" : 1545050479471,
  "bets" : [ {
    "stake" : {
      "value" : 50000,
      "type" : "total"
    },
    "bonus": {
      "value": 8000,
      "type": "total",
      "mode": "all"
    },
    "id" : "TicketGenerator_20181217124119_21_0",
    "selectedSystems" : [ 4 ]
  } ],
  "ticketId" : "TicketGenerator_20181217124119_21",
  "selections" : [ {
    "eventId" : "sr:match:15036157",
    "id" : "uof:3/sr:sport:1/68/13?total=1",
    "odds" : 15600
  }, {
    "eventId" : "sr:match:14950205",
    "id" : "uof:3/sr:sport:1/60/1",
    "odds" : 31500
  }, {
    "eventId" : "sr:match:15335456",
    "id" : "uof:3/sr:sport:1/45/274",
    "odds" : 64000
  }, {
    "eventId" : "sr:match:15330412",
    "id" : "uof:3/sr:sport:2/83/3",
    "odds" : 19500
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "id" : "7864545"
    },
    "limitId" : 935
  },
  "version" : "2.3"
}
```



```
}
```

10.13. Multi-System Bets Ticket with Different Stakes

```
{
  "timestampUtc" : 1548079229068,
  "bets" : [ {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20190121140029_8_0",
    "selectedSystems" : [ 3 ]
  }, {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20190121140029_8_1",
    "selectedSystems" : [ 2 ]
  } ],
  "ticketId" : "TicketGenerator_20190121140029_8",
  "selections" : [ {
    "eventId" : "sr:match:15857670",
    "id" :
"uof:3/sr:sport:2/849/sr:winning_margin_no_draw_any_team:31+:1297?variant=sr:w
inning_margin_no_draw_any_team:31+",
    "odds" : 44500
  }, {
    "eventId" : "sr:match:17086515",
    "id" : "uof:3/sr:sport:1/37/804?total=4.5",
    "odds" : 129000
  }, {
    "eventId" : "sr:match:16496563",
    "id" : "uof:3/sr:sport:1/820/1877",
    "odds" : 800000
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "deviceId" : "deviceId",
      "id" : "endCustomer"
    },
    "limitId" : 1409
  },
  "version" : "2.3"
}
```

10.14. Multi-Systems Ticket with Different Number of Selections and Different Unit Stakes

```
{
  "timestampUtc" : 1548079379463,
  "bets" : [ {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20190121140259_11_0",
    "selectedSystems" : [ 2 ]
  }, {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20190121140259_11_1",
    "selectedSystems" : [ 2 ],
    "selectionRefs" : [ {
      "selectionIndex" : 0,
      "banker" : false
    }, {
      "selectionIndex" : 1,
      "banker" : false
    } ]
  } ],
  "ticketId" : "TicketGenerator_20190121140259_11",
  "selections" : [ {
    "eventId" : "sr:match:15857670",
    "id" :
"uof:3/sr:sport:2/849/sr:winning_margin_no_draw_any_team:31+:1297?variant=sr:w
inning_margin_no_draw_any_team:31+",
    "odds" : 44500
  }, {
    "eventId" : "sr:match:17086515",
    "id" : "uof:3/sr:sport:1/37/804?total=4.5",
    "odds" : 129000
  }, {
    "eventId" : "sr:match:16496563",
    "id" : "uof:3/sr:sport:1/820/1877",
    "odds" : 800000
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "deviceId" : "deviceId",
      "id" : "endCustomer"
    }
  }
}
```



```

    },
    "limitId" : 1409
  },
  "version" : "2.3"
}

```

10.15. Single Bet with Pre-Match Non-Sportradar Content Selection

```

{
  "timestampUtc" : 1568788872241,
  "bets" : [ {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "NonSR_20190918064110_3114018_0",
    "selectedSystems" : [ 1 ]
  } ],
  "ticketId" : "NonSR_20190918064110_3114018",
  "selections" : [ {
    "eventId" : "nonsr:match:736977",
    "id" : "ext-pre:9985:s77",
    "odds" : 10100
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "deviceId" : "deviceId",
      "id" : "endCustomer"
    },
    "limitId" : 91
  },
  "version" : "2.3",
  "lastMatchEndTime" : 1568873628000
}

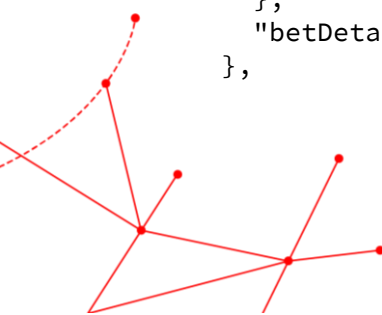
```

Response:

```

{
  "result" : {
    "ticketId" : "NonSR_20190918064110_3114018",
    "status" : "accepted",
    "reason" : {
      "code" : 1024,
      "message" : "Ticket accepted"
    },
    "betDetails" : [ ]
  },
}

```



```

"version" : "2.3",
"signature" : "XScBjYh4ntHL9GQUgdTroywN5ZU8ke4iBmejUQA15eM=",
"exchangeRate" : 10000
}

```

Settlement request:

```

{
  "timestampUtc" : 1568788917627,
  "ticketId" : "NonSR_20190918064110_3114018",
  "sender" : {
    "bookmakerId" : 9985
  },
  "nonSrSettleStake" : 101000,
  "version" : "2.3"
}

```

Settlement request response:

```

{
  "result" : {
    "ticketId" : "NonSR_20190918064110_3114018",
    "status" : "accepted",
    "reason" : {
      "code" : 1024,
      "message" : "Non-SR settle accepted"
    }
  },
  "signature" : "+qeNk//LMkyoio1RCff4iSFzWxypC9m3Wxd//H3/VdY=",
  "version" : "2.3"
}

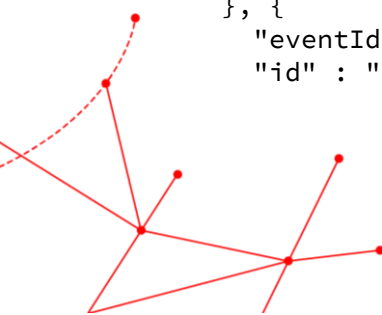
```

10.16.3-Fold with Mixed (SR And Non-SR Content) Selections

```

{
  "timestampUtc" : 1568788298883,
  "bets" : [ {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "NonSR_20190918063132_3114012_0",
    "selectedSystems" : [ 3 ]
  } ],
  "ticketId" : "NonSR_20190918063132_3114012",
  "selections" : [ {
    "eventId" : "nonsr:match:736977",
    "id" : "ext-pre:9985:s77",
    "odds" : 10100
  }, {
    "eventId" : "sr:match:19527688",
    "id" : "uof:3/sr:sport:5/186/5",

```



```

    "odds" : 42800
  }, {
    "eventId" : "sr:match:17306159",
    "id" : "uof:3/sr:sport:1/818/1844?total=4.5",
    "odds" : 73000
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "deviceId" : "deviceId",
      "id" : "endCustomer"
    }
  },
  "limitId" : 91
},
"version" : "2.3",
"lastMatchEndTime" : 1568873628000
}

```

Response:

```

{
  "result" : {
    "ticketId" : "NonSR_20190918063132_3114012",
    "status" : "accepted",
    "reason" : {
      "code" : 1024,
      "message" : "Ticket accepted"
    },
    "betDetails" : [ ]
  },
  "version" : "2.3",
  "signature" : "w2ILfdaIHaPB8o/zT3V2JSYUQpE1UtLAUMn5h2Q9srQ=",
  "exchangeRate" : 10000
}

```

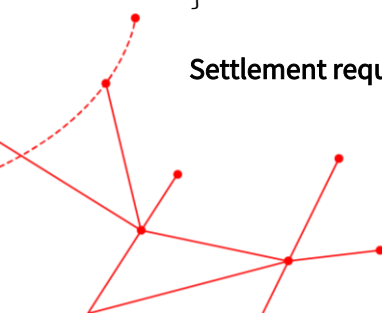
Settlement request:

```

{
  "timestampUtc" : 1568788300586,
  "ticketId" : "NonSR_20190918063132_3114012",
  "sender" : {
    "bookmakerId" : 9985
  },
  "nonSrSettleStake" : 3155644,
  "version" : "2.3"
}

```

Settlement request response:



```
{
  "result" : {
    "ticketId" : "NonSR_20190918063132_3114012",
    "status" : "accepted",
    "reason" : {
      "code" : 1024,
      "message" : "Non-SR settle accepted"
    }
  },
  "signature" : "CZBQTVdDuS8Fp20YSQv4AAqNT0q/a+iU8wJ879oQ0ts=",
  "version" : "2.3"
}
```

10.17. Ticket Acknowledgment: Rejected Ticket by MTS But Accepted by Bookmaker

```
{
  "timestampUtc" : 1548248124449,
  "bets" : [ {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20190123125524_12576_0",
    "selectedSystems" : [ 1 ]
  } ],
  "ticketId" : "TicketGenerator_20190123125524_12576",
  "selections" : [ {
    "eventId" : "sr:match:16899277",
    "id" : "uof:3/sr:sport:1/1/1",
    "odds" : 19400
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "deviceId" : "deviceId",
      "id" : "endCustomer"
    },
    "limitId" : 1409
  },
  "version" : "2.3"
}
```

Response from MTS (ticket was rejected by MTS):

```
{
  "result" : {
    "ticketId" : "TicketGenerator_20190123125524_12576",
```

```

    "status" : "rejected",
    "reason" : {
      "code" : -703,
      "message" : "Liability EUR 9.4 is over Customer Bet liability limit EUR
4.5 on Customer level, Selection: uof:3/sr:sport:1/1/1, Match: 16899277"
    },
    "betDetails" : [ {
      "betId" : "TicketGenerator_20190123125524_12576_0",
      "reason" : {
        "code" : -703,
        "message" : "Liability EUR 9.4 is over Customer Bet liability limit EUR
4.5 on Customer level, Selection: uof:3/sr:sport:1/1/1, Match: 16899277"
      },
      "selectionDetails" : [ {
        "selectionIndex" : 0,
        "reason" : {
          "code" : -703,
          "message" : "Liability EUR 9.4 is over Customer Bet liability limit
EUR 4.5 on Customer level, Selection: uof:3/sr:sport:1/1/1, Match: 16899277"
        },
        "rejectionInfo" : {
          "eventId" : "16899277",
          "id" : "uof:3/sr:sport:1/1/1",
          "odds" : 19400
        }
      } ]
    } ]
  },
  "version" : "2.3",
  "signature" : "bE7zH4uLSoRfmRmr4DzhLTQZglDCTR9KpR6BhcshKW0=",
  "exchangeRate" : 10000
}

```

Acknowledgment from Bookmaker that ticket was still accepted on Bookmaker side:

```

{
  "sender" : {
    "bookmakerId" : 9985
  },
  "ticketId" : "TicketGenerator_20190123125524_12576",
  "ticketStatus" : "accepted",
  "code" : 300,
  "message" : "Ticket was accepted",
  "timestampUtc" : 1548248127989,
  "version" : "2.3"
}

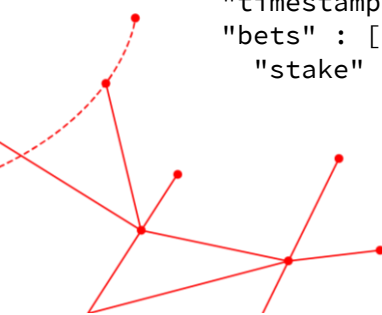
```

10.18. Ticket Cancellation Acknowledgement Communication

```

{
  "timestampUtc" : 1548248338794,
  "bets" : [ {
    "stake" : {

```



```

    "value" : 100000,
    "type" : "total"
  },
  "id" : "TicketGenerator_20190123125858_12577_0",
  "selectedSystems" : [ 1 ]
} ],
"ticketId" : "TicketGenerator_20190123125858_12577",
"selections" : [ {
  "eventId" : "sr:match:14736719",
  "id" : "uof:3/sr:sport:1/1/2",
  "odds" : 33600
} ],
"sender" : {
  "currency" : "EUR",
  "channel" : "internet",
  "bookmakerId" : 9985,
  "endCustomer" : {
    "ip" : "127.0.0.1",
    "languageId" : "EN",
    "deviceId" : "deviceId",
    "id" : "endCustomer"
  },
  "limitId" : 1409
},
"version" : "2.3"
}

```

Response:

```

{
  "result" : {
    "ticketId" : "TicketGenerator_20190123125858_12577",
    "status" : "accepted",
    "reason" : {
      "code" : 1024,
      "message" : "Ticket accepted"
    },
    "betDetails" : [ ]
  },
  "version" : "2.3",
  "signature" : "TKB8nY6t21qL9ff2GFn43jlyllgp/oy07E28jzQllTU=",
  "exchangeRate" : 10000
}

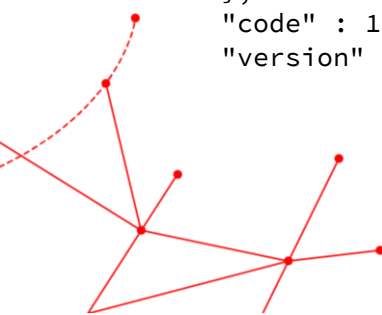
```

Ticket is cancelled request from Operator to cancel bet with code 103:

```

{
  "timestampUtc" : 1548248354190,
  "ticketId" : "TicketGenerator_20190123125858_12577",
  "sender" : {
    "bookmakerId" : 9985
  },
  "code" : 103,
  "version" : "2.3"
}

```



```
}
```

Ticket cancellation request was accepted by MTS:

```
{
  "result" : {
    "ticketId" : "TicketGenerator_20190123125858_12577",
    "status" : "cancelled",
    "reason" : {
      "code" : 1024,
      "message" : "Ticket Cancellation accepted"
    }
  },
  "signature" : "BFGzUtfX5g3ihmlvelv4WwyVA6e8k4yPePg40N4jigU=",
  "version" : "2.3"
}
```

Acknowledgement that ticket was cancelled on Bookmaker side:

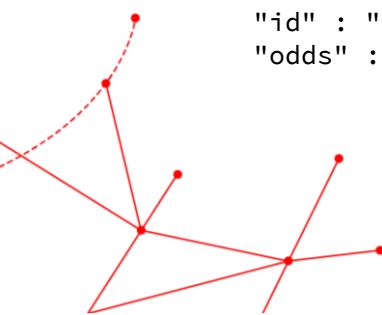
```
{
  "sender" : {
    "bookmakerId" : 9985
  },
  "ticketId" : "TicketGenerator_20190123125858_12577",
  "ticketStatus" : "cancelled",
  "code" : 1024,
  "message" : "Ticket cancelled",
  "timestampUtc" : 1548248456590,
  "version" : "2.3"
}
```

10.19. Bet Re-Offer Accepted by MTS Example

Note: Ticket must contains fields “reofferRefId” and/or “bets[i].reofferRefId” (RFU) with correct data. The “odds” field values in re-offered ticket must be same as in initial ticket. Field “stake.value” must be same as in re-offer.

Ticket acceptance request from Operator to MTS:

```
{
  "timestampUtc" : 1548253176701,
  "bets" : [ {
    "stake" : {
      "value" : 10000000,
      "type" : "total"
    }
  },
  "id" : "TicketGenerator_20190123141936_13690_0",
  "selectedSystems" : [ 1 ]
} ],
"ticketId" : "TicketGenerator_20190123141936_13690",
"selections" : [ {
  "eventId" : "sr:match:14895063",
  "id" : "uof:3/sr:sport:1/1/1",
  "odds" : 20800
}
```



```

} ],
"sender" : {
  "currency" : "EUR",
  "channel" : "internet",
  "bookmakerId" : 9985,
  "endCustomer" : {
    "ip" : "127.0.0.1",
    "languageId" : "EN",
    "deviceId" : "deviceId",
    "id" : "endCustomer"
  },
  "limitId" : 1409
},
"version" : "2.3"
}

```

Ticket rejection response from MTS to Operator:

```

{
  "result" : {
    "ticketId" : "TicketGenerator_20190123141936_13690",
    "status" : "rejected",
    "reason" : {
      "code" : -703,
      "message" : "Liability EUR 1101.6 is over Customer Bet liability limit EUR 900.0 on Customer level, Selection: uof:3/sr:sport:1/1/1, Match: 14895063"
    },
    "betDetails" : [ {
      "betId" : "TicketGenerator_20190123141936_13690_0",
      "reason" : {
        "code" : -703,
        "message" : "Liability EUR 1101.6 is over Customer Bet liability limit EUR 900.0 on Customer level, Selection: uof:3/sr:sport:1/1/1, Match: 14895063"
      },
      "selectionDetails" : [ {
        "selectionIndex" : 0,
        "reason" : {
          "code" : -703,
          "message" : "Liability EUR 1101.6 is over Customer Bet liability limit EUR 900.0 on Customer level, Selection: uof:3/sr:sport:1/1/1, Match: 14895063"
        },
        "rejectionInfo" : {
          "eventId" : "14895063",
          "id" : "uof:3/sr:sport:1/1/1",
          "odds" : 20800
        }
      }
    ],
    "reoffer" : {
      "stake" : 8052800,
      "type" : "auto"
    }
  }
},

```



```

"version" : "2.3",
"signature" : "ouTTanYbQB7mWvPtIIIt8QwAoQLy3k0StQg0VUlC4XDE=",
"exchangeRate" : 10000
}

```

Ticket acceptance request with reduced stake from Operator to MTS:

```

{
  "timestampUtc" : 1548253176701,
  "bets" : [ {
    "stake" : {
      "value" : 8052800,
      "type" : "total"
    },
    "id" : "TicketGenerator_20190123141936_13690_0",
    "selectedSystems" : [ 1 ],
    "reofferRefId" : "TicketGenerator_20190123141936_13690"
  } ],
  "ticketId" : "TicketGenerator_20190123141936_13690-reoffer",
  "selections" : [ {
    "eventId" : "sr:match:14895063",
    "id" : "uof:3/sr:sport:1/1/1",
    "odds" : 20800
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "deviceId" : "deviceId",
      "id" : "endCustomer"
    },
    "limitId" : 1409
  },
  "reofferRefId" : "TicketGenerator_20190123141936_13690",
  "version" : "2.3"
}

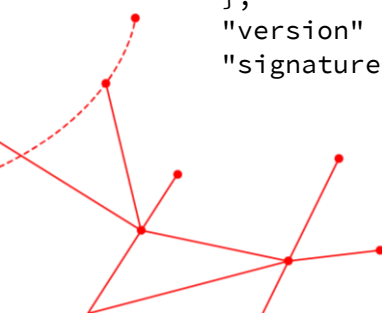
```

Ticket acceptance response from MTS to Operator:

```

{
  "result" : {
    "ticketId" : "TicketGenerator_20190123141936_13690-reoffer",
    "status" : "accepted",
    "reason" : {
      "code" : 1024,
      "message" : "Ticket accepted"
    },
    "betDetails" : [ ]
  },
  "version" : "2.3",
  "signature" : "41P7SKK0tj7030kXx4GRAIk/zqBvh+D63NqIhvvW1hA=",
}

```



```
"exchangeRate" : 10000
}
```

10.20. Bet Re-Offer Rejected by MTS Example

Ticket acceptance request from Operator to MTS:

```
{
  "timestampUtc" : 1548253736322,
  "bets" : [ {
    "stake" : {
      "value" : 10000000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20190123142856_13691_0",
    "selectedSystems" : [ 1 ]
  } ],
  "ticketId" : "TicketGenerator_20190123142856_13691",
  "selections" : [ {
    "eventId" : "sr:match:17006589",
    "id" : "uof:3/sr:sport:1/1/3",
    "odds" : 20800
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "deviceId" : "deviceId",
      "id" : "endCustomer"
    },
    "limitId" : 1409
  },
  "version" : "2.3"
}
```

Ticket rejection response from MTS to Operator:

```
{
  "result" : {
    "ticketId" : "TicketGenerator_20190123142856_13691",
    "status" : "rejected",
    "reason" : {
      "code" : -703,
      "message" : "Liability EUR 1080.0 is over Customer Bet liability limit EUR 299.7 on Customer level, Selection: uof:3/sr:sport:1/1/3, Match: 17006589"
    },
    "betDetails" : [ {
      "betId" : "TicketGenerator_20190123142856_13691_0",
      "reason" : {
        "code" : -703,

```

```

    "message" : "Liability EUR 1080.0 is over Customer Bet liability limit
EUR 299.7 on Customer level, Selection: uof:3/sr:sport:1/1/3, Match: 17006589"
  },
  "selectionDetails" : [ {
    "selectionIndex" : 0,
    "reason" : {
      "code" : -703,
      "message" : "Liability EUR 1080.0 is over Customer Bet liability limit
EUR 299.7 on Customer level, Selection: uof:3/sr:sport:1/1/3, Match: 17006589"
    },
    "rejectionInfo" : {
      "eventId" : "17006589",
      "id" : "uof:3/sr:sport:1/1/3",
      "odds" : 20800
    }
  } ],
  "reoffer" : {
    "stake" : 2747500,
    "type" : "auto"
  }
} ]
},
"version" : "2.3",
"signature" : "8jvNF/dDn/CrHz/McurIfZAyxUgRiPm4P8t2xdvE2h8=",
"exchangeRate" : 10000
}

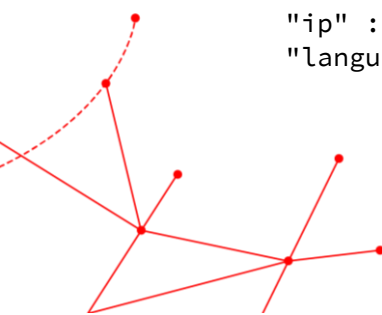
```

Ticket acceptance request with reduced stake (but higher than re-offered stake) from Operator to MTS:

```

{
  "timestampUtc" : 1548253736322,
  "bets" : [ {
    "stake" : {
      "value" : 3747500,
      "type" : "total"
    },
    "id" : "TicketGenerator_20190123142856_13691_0",
    "selectedSystems" : [ 1 ],
    "reofferRefId" : "TicketGenerator_20190123142856_13691"
  } ],
  "ticketId" : "TicketGenerator_20190123142856_13691-reoffer",
  "selections" : [ {
    "eventId" : "sr:match:17006589",
    "id" : "uof:3/sr:sport:1/1/3",
    "odds" : 20800
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",

```



```

    "deviceId" : "deviceId",
    "id" : "endCustomer"
  },
  "limitId" : 1409
},
"reofferRefId" : "TicketGenerator_20190123142856_13691",
"version" : "2.3"
}

```

Ticket rejection response from MTS to Operator as bet re-offer was done with stake higher than suggested:

```

{
  "result" : {
    "ticketId" : "TicketGenerator_20190123142856_13691-reoffer",
    "status" : "rejected",
    "reason" : {
      "code" : -210,
      "message" : "Stake does not match re-offered stake."
    },
    "betDetails" : [ ]
  },
  "version" : "2.3",
  "signature" : "ksrHGpPGZ0Tp9McuPHY2pvFxm40y0HmoELIsCZ60Lc=",
  "exchangeRate" : 10000
}

```

10.21. Full Ticket Cashout Request Accepted by MTS

Ticket acceptance request from Operator to MTS:

```

{
  "timestampUtc" : 1548254336761,
  "bets" : [ {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20190123143856_13694_0",
    "selectedSystems" : [ 1 ]
  } ],
  "ticketId" : "TicketGenerator_20190123143856_13694",
  "selections" : [ {
    "eventId" : "sr:match:17006591",
    "id" : "uof:3/sr:sport:1/1/1",
    "odds" : 35200
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",

```

```

    "deviceId" : "deviceId",
    "id" : "endCustomer"
  },
  "limitId" : 1409
},
"version" : "2.3"
}

```

Ticket acceptance response from MTS to Operator:

```

{
  "timestampUtc" : 1548254336761,
  "bets" : [ {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20190123143856_13694_0",
    "selectedSystems" : [ 1 ]
  } ],
  "ticketId" : "TicketGenerator_20190123143856_13694",
  "selections" : [ {
    "eventId" : "sr:match:17006591",
    "id" : "uof:3/sr:sport:1/1/1",
    "odds" : 35200
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "deviceId" : "deviceId",
      "id" : "endCustomer"
    },
    "limitId" : 1409
  },
  "version" : "2.3"
}

```

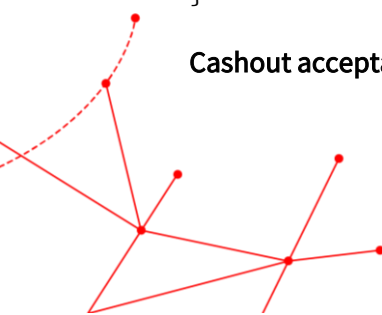
Cashout message from Operator to MTS:

```

{
  "timestampUtc" : 1548254363296,
  "ticketId" : "TicketGenerator_20190123143856_13694",
  "sender" : {
    "bookmakerId" : 9985
  },
  "cashoutStake" : 9000,
  "version" : "2.3"
}

```

Cashout acceptance response from MTS to Operator:



```
{
  "result" : {
    "ticketId" : "TicketGenerator_20190123143856_13694",
    "status" : "accepted",
    "reason" : {
      "code" : 1024,
      "message" : "cashout accepted"
    }
  },
  "signature" : "msHlc96JQZ9Fcmjpkh3M5Jat9SgEsyFVpMdibj0FsY=",
  "version" : "2.3"
}
```

10.22. Full Ticket Cashout Request Declined by MTS

Ticket acceptance request from Operator to MTS:

```
{
  "timestampUtc" : 1548255245831,
  "bets" : [ {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20190123145405_13695_0",
    "selectedSystems" : [ 1 ]
  } ],
  "ticketId" : "TicketGenerator_20190123145405_13695",
  "selections" : [ {
    "eventId" : "sr:match:17006591",
    "id" : "uof:3/sr:sport:1/1/3",
    "odds" : 15700
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "deviceId" : "deviceId",
      "id" : "endCustomer"
    },
    "limitId" : 1409
  },
  "version" : "2.3"
}
```

Ticket acceptance response from MTS to Operator:

```
{
  "result" : {
    "ticketId" : "TicketGenerator_20190123145405_13695",
    "status" : "accepted",

```

```

    "reason" : {
      "code" : 1024,
      "message" : "Ticket accepted"
    },
    "betDetails" : [ ]
  },
  "version" : "2.3",
  "signature" : "hAk3gpYJoNXmWHHE6eQzoSndrMeDoAPKqmHolKm/rQI=",
  "exchangeRate" : 10000
}

```

Cashout message from Operator to MTS:

```

{
  "timestampUtc" : 1548255248489,
  "ticketId" : "TicketGenerator_20190123145405_13695",
  "sender" : {
    "bookmakerId" : 9985
  },
  "cashoutStake" : 1000,
  "version" : "2.3"
}

```

Cashout declination response from MTS to Operator:

```

{
  "result" : {
    "ticketId" : "TicketGenerator_20190123145405_13695",
    "status" : "rejected",
    "reason" : {
      "code" : -102,
      "message" : "cashout disabled"
    }
  },
  "signature" : "ajPXhR6ER7BND002woUIpBzQhbqp/48j61RfihMRSa8=",
  "version" : "2.3"
}

```

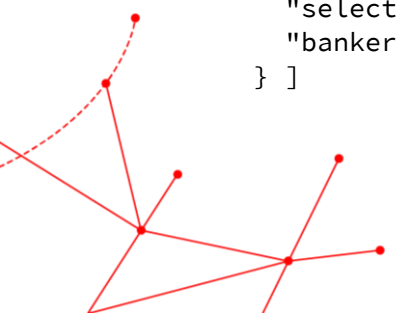
10.23. Full Bet Cashout Request Accepted by MTS

Ticket acceptance request from Operator to MTS:

```

{
  "timestampUtc" : 1568873053262,
  "bets" : [ {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "Cashout_20190919060411_5114180_0",
    "selectedSystems" : [ 1 ],
    "selectionRefs" : [ {
      "selectionIndex" : 0,
      "banker" : false
    } ]
  } ]
}

```



```

}, {
  "stake" : {
    "value" : 100000,
    "type" : "total"
  },
  "id" : "Cashout_20190919060411_5114180_1",
  "selectedSystems" : [ 1 ],
  "selectionRefs" : [ {
    "selectionIndex" : 1,
    "banker" : false
  } ]
} ],
"ticketId" : "Cashout_20190919060411_5114180",
"selections" : [ {
  "eventId" : "sr:match:19330838",
  "id" : "uof:3/sr:sport:1/57/74",
  "odds" : 19900
}, {
  "eventId" : "sr:match:19401158",
  "id" : "uof:3/sr:sport:1/87/1712?hcp=0:1",
  "odds" : 27300
} ],
"sender" : {
  "currency" : "EUR",
  "channel" : "internet",
  "bookmakerId" : 119886,
  "endCustomer" : {
    "ip" : "127.0.0.1",
    "languageId" : "EN",
    "deviceId" : "deviceId",
    "id" : "endCustomer"
  },
  "limitId" : 102284
},
"version" : "2.3"
}

```

Ticket acceptance response from MTS to Operator:

```

{
  "result" : {
    "ticketId" : "Cashout_20190919060411_5114180",
    "status" : "accepted",
    "reason" : {
      "code" : 1024,
      "message" : "Ticket accepted"
    },
    "betDetails" : [ ]
  },
  "version" : "2.3",
  "signature" : "Vfe656Y0pT87FcrJoctyXbhFvl94WE/cnqpAYUfY6sA=",
  "exchangeRate" : 10000
}

```


Cashout message from Operator to MTS:

```
{
  "timestampUtc" : 1568873074096,
  "ticketId" : "Cashout_20190919060411_5114180",
  "sender" : {
    "bookmakerId" : 119886
  },
  "betCashout" : [ {
    "id" : "Cashout_20190919060411_5114180_1",
    "cashoutStake" : 100000,
    "cashoutPercent" : 1000000
  } ],
  "version" : "2.3"
}
```

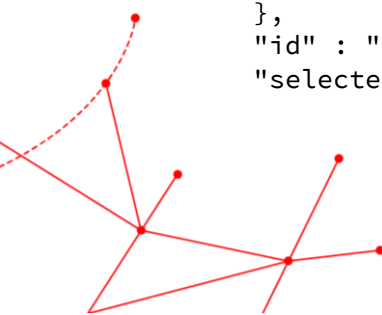
Cashout acceptance response from MTS to Operator:

```
{
  "result" : {
    "ticketId" : "Cashout_20190919060411_5114180",
    "status" : "accepted",
    "reason" : {
      "code" : 1024,
      "message" : "cashout accepted"
    }
  },
  "signature" : "46TxTN4EZ+/m7qmDf2KaNsKsqbXYY7csqy8RuC/GKVE=",
  "version" : "2.3"
}
```

10.24. Full Bet Cashout Request Declined by MTS

Ticket acceptance request from Operator to MTS:

```
{
  "timestampUtc" : 1568873053262,
  "bets" : [ {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "Cashout_20190919060411_5114180_0",
    "selectedSystems" : [ 1 ],
    "selectionRefs" : [ {
      "selectionIndex" : 0,
      "banker" : false
    } ]
  } ],
  {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "Cashout_20190919060411_5114180_1",
    "selectedSystems" : [ 1 ],
```



```

    "selectionRefs" : [ {
      "selectionIndex" : 1,
      "banker" : false
    } ]
  } ],
  "ticketId" : "Cashout_20190919060411_5114180",
  "selections" : [ {
    "eventId" : "sr:match:19330838",
    "id" : "uof:3/sr:sport:1/57/74",
    "odds" : 19900
  }, {
    "eventId" : "sr:match:19401158",
    "id" : "uof:3/sr:sport:1/87/1712?hcp=0:1",
    "odds" : 27300
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 119886,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "deviceId" : "deviceId",
      "id" : "endCustomer"
    }
  },
  "limitId" : 102284
},
"version" : "2.3"
}

```

Ticket acceptance response from MTS to Operator:

```

{
  "result" : {
    "ticketId" : "Cashout_20190919060411_5114180",
    "status" : "accepted",
    "reason" : {
      "code" : 1024,
      "message" : "Ticket accepted"
    }
  },
  "betDetails" : [ ]
},
"version" : "2.3",
"signature" : "Vfe656Y0pT87FcrJoctyXbhFvl94WE/cnqpAYUfY6sA=",
"exchangeRate" : 10000
}

```

Cashout message from Operator to MTS:

```

{
  "timestampUtc" : 1568873289699,
  "ticketId" : "Cashout_20190919060411_5114180",
  "sender" : {
    "bookmakerId" : 119886
  }
}

```

```

},
"betCashout" : [ {
  "id" : "Cashout_20190919060411_5114180_0",
  "cashoutStake" : 200000
} ],
"version" : "2.3"
}

```

Cashout declination response from MTS to Operator:

```

{
  "result" : {
    "ticketId" : "Cashout_20190919060411_5114180",
    "status" : "rejected",
    "reason" : {
      "code" : -204,
      "message" : "cashout amount too high"
    }
  },
  "signature" : "DvXZwX7SkQ580dgTOY+IHVPECxm+WI5EdJkwssCCzRY=",
  "version" : "2.3"
}

```

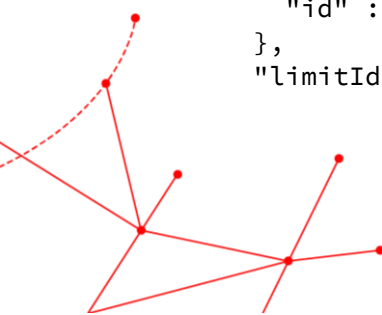
10.25. Partial Ticket Cashout Request Accepted by MTS

Ticket acceptance request from Operator to MTS:

```

{
  "timestampUtc" : 1568873546653,
  "bets" : [ {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "Cashout_20190919061015_5114183_0",
    "selectedSystems" : [ 1 ]
  } ],
  "ticketId" : "Cashout_20190919061015_5114183",
  "selections" : [ {
    "eventId" : "sr:match:19330866",
    "id" : "uof:3/sr:sport:1/882/74?player=sr:player:359802",
    "odds" : 134800
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 119886,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "deviceId" : "deviceId",
      "id" : "endCustomer"
    }
  },
  "limitId" : 102284
}

```



```

    },
    "version" : "2.3"
  }

```

Ticket acceptance response from MTS to Operator:

```

{
  "result" : {
    "ticketId" : "Cashout_20190919061015_5114183",
    "status" : "accepted",
    "reason" : {
      "code" : 1024,
      "message" : "Ticket accepted"
    },
    "betDetails" : [ ]
  },
  "version" : "2.3",
  "signature" : "L02UGWgqp703DPo6/xn3ywn2LjmQ70gWC0H0/7QcdlQ=",
  "exchangeRate" : 10000
}

```

Cashout message from Operator to MTS:

```

{
  "timestampUtc" : 1568873497181,
  "ticketId" : "Cashout_20190919061015_5114183",
  "sender" : {
    "bookmakerId" : 119886
  },
  "cashoutStake" : 50000,
  "cashoutPercent" : 200000,
  "version" : "2.3"
}

```

Cashout acceptance response from MTS to Operator:

```

{
  "result" : {
    "ticketId" : "Cashout_20190919061015_5114183",
    "status" : "accepted",
    "reason" : {
      "code" : 1024,
      "message" : "cashout accepted"
    }
  },
  "signature" : "p70k6vCswt087ctjlas3bopm9YZeCUz1D3z4olvY888=",
  "version" : "2.3"
}

```

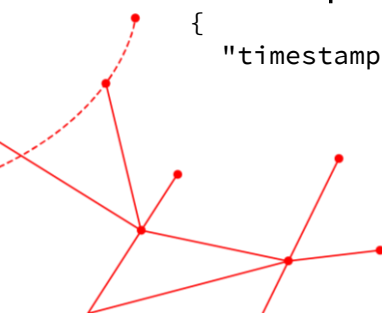
10.26. Partial Ticket Cashout Request Declined by MTS

Ticket acceptance request from Operator to MTS:

```

{
  "timestampUtc" : 1568873614674,

```



```

"bets" : [ {
  "stake" : {
    "value" : 100000,
    "type" : "total"
  },
  "id" : "Cashout_20190919061333_5114189_0",
  "selectedSystems" : [ 1 ]
} ],
"ticketId" : "Cashout_20190919061333_5114189",
"selections" : [ {
  "eventId" : "sr:match:19331046",
  "id" : "uof:3/sr:sport:1/48/74",
  "odds" : 47400
} ],
"sender" : {
  "currency" : "EUR",
  "channel" : "internet",
  "bookmakerId" : 119886,
  "endCustomer" : {
    "ip" : "127.0.0.1",
    "languageId" : "EN",
    "deviceId" : "deviceId",
    "id" : "endCustomer"
  },
  "limitId" : 102284
},
"version" : "2.3"
}

```

Ticket acceptance response from MTS to Operator:

```

{
  "result" : {
    "ticketId" : "Cashout_20190919061333_5114189",
    "status" : "accepted",
    "reason" : {
      "code" : 1024,
      "message" : "Ticket accepted"
    },
    "betDetails" : [ ]
  },
  "version" : "2.3",
  "signature" : "Mmc9RBWJ4Uzd1mtnKh2T0wz+mJhS5qkVHFKjdK4NyL8=",
  "exchangeRate" : 10000
}

```

Cashout message from Operator to MTS:

```

{
  "timestampUtc" : 1568873648520,
  "ticketId" : "Cashout_20190919061333_5114189",
  "sender" : {
    "bookmakerId" : 119886
  },
}

```

```
"cashoutStake" : 200000,
"cashoutPercent" : 200000,
"version" : "2.3"
}
```

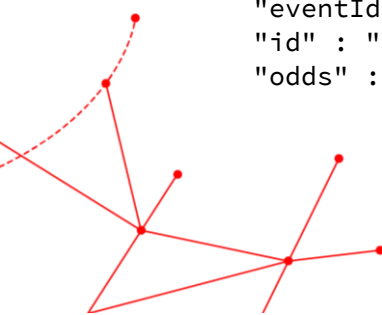
Cashout declination response from MTS to Operator:

```
{
  "result" : {
    "ticketId" : "Cashout_20190919061333_5114189",
    "status" : "rejected",
    "reason" : {
      "code" : -204,
      "message" : "cashout amount too high"
    }
  },
  "signature" : "E5XoLKTF75SoVVMsN49t7CIJT6RNT/zbUL5VZcS8kIk=",
  "version" : "2.3"
}
```

10.27. Partial Bet Cashout Request Accepted by MTS

Ticket acceptance request from Operator to MTS:

```
{
  "timestampUtc" : 1568873701696,
  "bets" : [ {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "Cashout_20190919061459_5114190_0",
    "selectedSystems" : [ 1 ],
    "selectionRefs" : [ {
      "selectionIndex" : 0,
      "banker" : false
    } ]
  }, {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "Cashout_20190919061459_5114190_1",
    "selectedSystems" : [ 1 ],
    "selectionRefs" : [ {
      "selectionIndex" : 1,
      "banker" : false
    } ]
  } ],
  "ticketId" : "Cashout_20190919061459_5114190",
  "selections" : [ {
    "eventId" : "sr:match:19330894",
    "id" : "uof:3/sr:sport:1/40/sr:player:355378?type=prematch",
    "odds" : 52200
  } ]
}
```



```

}, {
  "eventId" : "sr:match:19331136",
  "id" : "uof:3/sr:sport:1/58/76?total=1.5",
  "odds" : 10100
} ],
"sender" : {
  "currency" : "EUR",
  "channel" : "internet",
  "bookmakerId" : 119886,
  "endCustomer" : {
    "ip" : "127.0.0.1",
    "languageId" : "EN",
    "deviceId" : "deviceId",
    "id" : "endCustomer"
  },
  "limitId" : 102284
},
"version" : "2.3"
}

```

Ticket acceptance response from MTS to Operator:

```

{
  "result" : {
    "ticketId" : "Cashout_20190919061459_5114190",
    "status" : "accepted",
    "reason" : {
      "code" : 1024,
      "message" : "Ticket accepted"
    },
    "betDetails" : [ ]
  },
  "version" : "2.3",
  "signature" : "elmRLDYvH8sSYQr2vngxTm3QWZZ+EKyhrF07BWARyEo=",
  "exchangeRate" : 10000
}

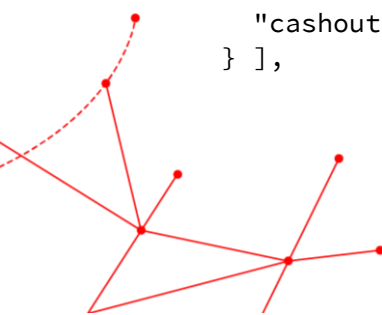
```

Cashout message from Operator to MTS:

```

{
  "timestampUtc" : 1568873752401,
  "ticketId" : "Cashout_20190919061459_5114190",
  "sender" : {
    "bookmakerId" : 119886
  },
  "betCashout" : [ {
    "id" : "Cashout_20190919061459_5114190_0",
    "cashoutStake" : 20000,
    "cashoutPercent" : 200000
  }, {
    "id" : "Cashout_20190919061459_5114190_1",
    "cashoutStake" : 30000,
    "cashoutPercent" : 300000
  } ],
}

```



```
"version" : "2.3"
}
```

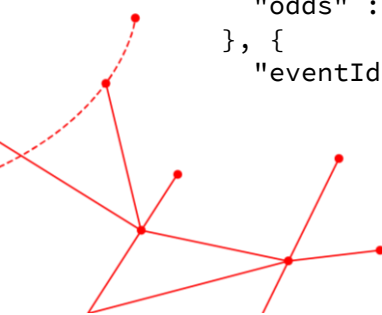
Cashout acceptance response from MTS to Operator:

```
{
  "result" : {
    "ticketId" : "Cashout_20190919061459_5114190",
    "status" : "accepted",
    "reason" : {
      "code" : 1024,
      "message" : "cashout accepted"
    }
  },
  "signature" : "F0tLBFs02L3oNA9hM6eaG7ATCXn+Xgmi7V3QyxsKshY=",
  "version" : "2.3"
}
```

10.28. Partial Bet Cashout Request Declined by MTS

Ticket acceptance request from Operator to MTS:

```
{
  "timestampUtc" : 1568873701696,
  "bets" : [ {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "Cashout_20190919061459_5114190_0",
    "selectedSystems" : [ 1 ],
    "selectionRefs" : [ {
      "selectionIndex" : 0,
      "banker" : false
    } ]
  }, {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "Cashout_20190919061459_5114190_1",
    "selectedSystems" : [ 1 ],
    "selectionRefs" : [ {
      "selectionIndex" : 1,
      "banker" : false
    } ]
  } ],
  "ticketId" : "Cashout_20190919061459_5114190",
  "selections" : [ {
    "eventId" : "sr:match:19330894",
    "id" : "uof:3/sr:sport:1/40/sr:player:355378?type=prematch",
    "odds" : 52200
  }, {
    "eventId" : "sr:match:19331136",
```




```

    "id" : "uof:3/sr:sport:1/58/76?total=1.5",
    "odds" : 10100
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 119886,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "deviceId" : "deviceId",
      "id" : "endCustomer"
    },
    "limitId" : 102284
  },
  "version" : "2.3"
}

```

Ticket acceptance response from MTS to Operator:

```

{
  "result" : {
    "ticketId" : "Cashout_20190919061459_5114190",
    "status" : "accepted",
    "reason" : {
      "code" : 1024,
      "message" : "Ticket accepted"
    },
    "betDetails" : [ ]
  },
  "version" : "2.3",
  "signature" : "elmRLDYvH8sSYQr2vngxTm3QWZZ+EKyhrF07BWARyEo=",
  "exchangeRate" : 10000
}

```

Cashout message from Operator to MTS:

```

{
  "timestampUtc" : 1568873826429,
  "ticketId" : "Cashout_20190919061459_5114190",
  "sender" : {
    "bookmakerId" : 119886
  },
  "betCashout" : [ {
    "id" : "Cashout_20190919061459_5114190_1",
    "cashoutStake" : 20000,
    "cashoutPercent" : 200000
  } ],
  "version" : "2.3"
}

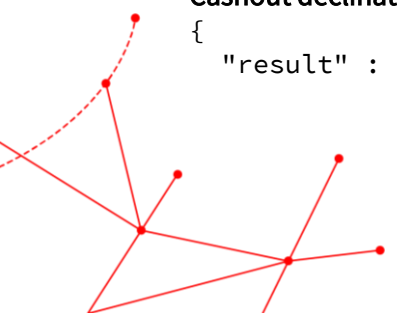
```

Cashout declination response from MTS to Operator:

```

{
  "result" : {

```



```

    "ticketId" : "Cashout_20190919061459_5114190",
    "status" : "rejected",
    "reason" : {
      "code" : -207,
      "message" : "cashout factor is lower than existing"
    }
  },
  "signature" : "+0Zgz7e0SNN7vx4gNLnbl1aojFFFNp0LjqDHQJW42CM=",
  "version" : "2.3"
}

```

10.29. Bet with Enabled Alternative Odds

```

{
  "timestampUtc" : 1548768915182,
  "bets" : [ {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20190129133515_69_0",
    "selectedSystems" : [ 1 ]
  } ],
  "ticketId" : "TicketGenerator_20190129133515_69",
  "selections" : [ {
    "eventId" : "sr:match:17180753",
    "id" : "uof:1/sr:sport:5/186/5",
    "odds" : 11900
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 7900,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "deviceId" : "deviceId",
      "id" : "endCustomer"
    },
    "limitId" : 1398
  },
  "version" : "2.3",
  "oddsChange" : "any"
}

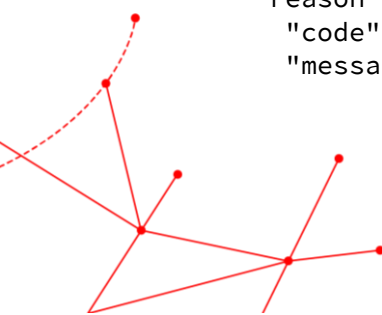
```

Response:

```

{
  "result" : {
    "ticketId" : "TicketGenerator_20190129133515_69",
    "status" : "accepted",
    "reason" : {
      "code" : 1024,
      "message" : "Ticket accepted"
    }
  }
}

```



```

    },
    "betDetails" : [ ]
  },
  "autoAcceptedOdds" : [ {
    "selectionIndex" : 0,
    "requestedOdds" : 11900,
    "usedOdds" : 15151
  } ],
  "version" : "2.3",
  "signature" : "vPLuZPP5vgkx8jDMGLKt0RLCvGAjB/GKDvgrwLlIFwg=",
  "exchangeRate" : 10000
}

```

10.30. Custom Bet

```

{
  "timestampUtc" : 1568805441885,
  "bets" : [ {
    "customBet" : true,
    "calculationOdds" : 381400,
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20190918111721_3681032_0",
    "selectedSystems" : [ 1 ]
  } ],
  "ticketId" : "TicketGenerator_20190918111721_3681032",
  "selections" : [ {
    "eventId" : "sr:match:19323676",
    "id" : "uof:3/sr:sport:1/1/3"
  }, {
    "eventId" : "sr:match:19323676",
    "id" : "uof:3/sr:sport:1/18/12?total=2.5"
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "id" : "endCustomer"
    },
    "limitId" : 91
  },
  "version" : "2.3"
}

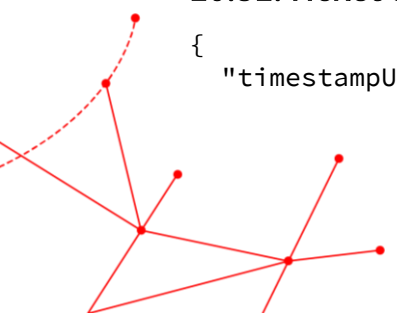
```

10.31. Ticket example with “entireStake”

```

{
  "timestampUtc" : 1568806812876,

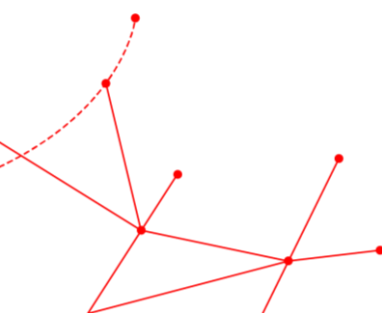
```



```

"bets" : [ {
  "stake" : {
    "value" : 100000,
    "type" : "total"
  },
  "entireStake" : {
    "value" : 2500000,
    "type" : "total"
  },
  "id" : "TicketGenerator_20190918114012_3708779_0",
  "selectedSystems" : [ 1 ]
} ],
"ticketId" : "TicketGenerator_20190918114012_3708779",
"selections" : [ {
  "eventId" : "sr:match:19323676",
  "id" : "uof:3/sr:sport:1/1/2",
  "odds" : 84200
} ],
"sender" : {
  "currency" : "ALL",
  "channel" : "internet",
  "bookmakerId" : 119886,
  "endCustomer" : {
    "ip" : "127.0.0.1",
    "languageId" : "EN",
    "deviceId" : "deviceId",
    "id" : "endCustomer"
  },
  "limitId" : 102284
},
"version" : "2.3"
}

```



11. Appendix B: Invalid Tickets

11.1. Breaching Liability Limit

```
{
  "timestampUtc" : 1548315675300,
  "bets" : [ {
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20190124074115_106_0",
    "selectedSystems" : [ 1 ]
  } ],
  "ticketId" : "TicketGenerator_20190124074115_106",
  "selections" : [ {
    "eventId" : "sr:match:16062952",
    "id" : "uof:3/sr:sport:2/301/1003?quarternr=1",
    "odds" : 43000
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "deviceId" : "deviceId",
      "id" : "endCustomer"
    },
    "limitId" : 1409
  },
  "version" : "2.3"
}
```

Response:

```
{
  "result" : {
    "ticketId" : "TicketGenerator_20190124074115_106",
    "status" : "rejected",
    "reason" : {
      "code" : -703,
      "message" : "Liability EUR 33.0 is over Customer Bet liability limit EUR 1.35 on Customer level, Selection: uof:3/sr:sport:2/301/1003?quarternr=1, Match: 16062952"
    },
    "betDetails" : [ {
      "betId" : "TicketGenerator_20190124074115_106_0",
      "reason" : {
        "code" : -703,
        "message" : "Liability EUR 33.0 is over Customer Bet liability limit EUR 1.35 on Customer level, Selection: uof:3/sr:sport:2/301/1003?quarternr=1, Match: 16062952"
      }
    } ]
  }
}
```

```

    },
    "selectionDetails" : [ {
      "selectionIndex" : 0,
      "reason" : {
        "code" : -703,
        "message" : "Liability EUR 33.0 is over Customer Bet liability limit
EUR 1.35 on Customer level, Selection: uof:3/sr:sport:2/301/1003?quarternr=1,
Match: 16062952"
      },
      "rejectionInfo" : {
        "eventId" : "16062952",
        "id" : "uof:3/sr:sport:2/301/1003?quarternr=1",
        "odds" : 43000
      }
    } ]
  } ]
},
"version" : "2.3",
"signature" : "u85M5DtveSQToXuc36sG5X0Sd1IaiMW4lwBlKiH6A1c=",
"exchangeRate" : 10000
}

```

11.2. Exceeding Maximum Payout Limit

```

{
  "timestampUtc" : 1548315845199,
  "bets" : [ {
    "stake" : {
      "value" : 1000000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20190124074405_108_0",
    "selectedSystems" : [ 1 ]
  } ],
  "ticketId" : "TicketGenerator_20190124074405_108",
  "selections" : [ {
    "eventId" : "sr:match:16797779",
    "id" : "uof:3/sr:sport:1/16/1714?hcp=-1.5",
    "odds" : 23600
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "deviceId" : "deviceId",
      "id" : "endCustomer"
    },
    "limitId" : 1409
  },
}

```

```
"version" : "2.3"
}
```

Response:

```
{
  "result" : {
    "ticketId" : "TicketGenerator_20190124074405_108",
    "status" : "rejected",
    "reason" : {
      "code" : -511,
      "message" : "Payout is higher than the max payout for Limit ID 1409. Bet
payout 136.0, Max payout 100.0"
    },
    "betDetails" : [ {
      "betId" : "TicketGenerator_20190124074405_108_0",
      "reason" : {
        "code" : -511,
        "message" : "Payout is higher than the max payout for Limit ID 1409.
Bet payout 136.0, Max payout 100.0"
      },
      "selectionDetails" : [ ],
      "reoffer" : {
        "stake" : 735200,
        "type" : "auto"
      }
    }
  ]
},
"version" : "2.3",
"signature" : "zQSn04IsmYz7RKvwsTlEVaL97MBijlhQr6ETcgEyC24=",
"exchangeRate" : 10000
}
```

11.3. Stake is Lower Than Minimum Stake Limit

```
{
  "timestampUtc" : 1548315941958,
  "bets" : [ {
    "stake" : {
      "value" : 10000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20190124074541_109_0",
    "selectedSystems" : [ 1 ]
  } ],
  "ticketId" : "TicketGenerator_20190124074541_109",
  "selections" : [ {
    "eventId" : "sr:match:16384928",
    "id" : "uof:3/sr:sport:2/303/1714?hcp=-0.5&quarternr=4",
    "odds" : 15200
  } ],
  "sender" : {
    "currency" : "EUR",

```

```

"channel" : "internet",
"bookmakerId" : 9985,
"endCustomer" : {
  "ip" : "127.0.0.1",
  "languageId" : "EN",
  "deviceId" : "deviceId",
  "id" : "endCustomer"
},
"limitId" : 1409
},
"version" : "2.3"
}

```

Response:

```

{
  "result" : {
    "ticketId" : "TicketGenerator_20190124074541_109",
    "status" : "rejected",
    "reason" : {
      "code" : -306,
      "message" : "Stake EUR amount 1 is too low. Minimum allowed on Limit ID level is 2"
    },
    "betDetails" : [ {
      "betId" : "TicketGenerator_20190124074541_109_0",
      "reason" : {
        "code" : -306,
        "message" : "Stake EUR amount 1 is too low. Minimum allowed on Limit ID level is 2"
      },
      "selectionDetails" : [ ]
    } ]
  },
  "version" : "2.3",
  "signature" : "+dfLzKXkmCDwkDAbXwEsafd5RQzIvKtVn0wA8innGHU=",
  "exchangeRate" : 10000
}

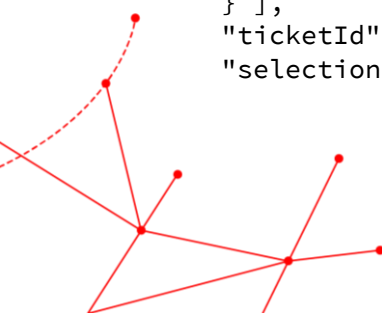
```

11.4. Outcome is Not Active

```

{
  "timestampUtc" : 1548318605798,
  "bets" : [ {
    "stake" : {
      "value" : 10000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20190124083005_116_0",
    "selectedSystems" : [ 1 ]
  } ],
  "ticketId" : "TicketGenerator_20190124083005_116",
  "selections" : [ {

```




```

    "eventId" : "sr:match:17129581",
    "id" : "uof:1/sr:sport:5/207/873?setnr=1",
    "odds" : 53400
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 9985,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "deviceId" : "deviceId",
      "id" : "endCustomer"
    },
    "limitId" : 1409
  },
  "version" : "2.3"
}

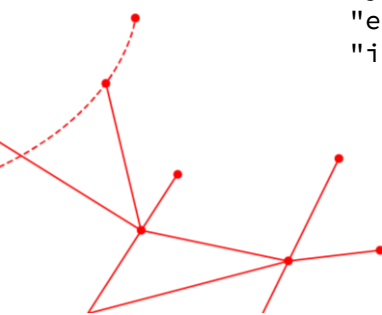
```

Response:

```

{
  "result" : {
    "ticketId" : "TicketGenerator_20190124083005_116",
    "status" : "rejected",
    "reason" : {
      "code" : -404,
      "message" : "Outcome is not active in MTS, Selection:
uof:1/sr:sport:5/207/873?setnr=1, Match: 17129581 + [Tennis, ITF Men, Itf Egypt
F1, Men Singles, Rosenkranz, Mats vs Tseng, Chun Hsin, Correct score in set
Tennis]"
    },
    "betDetails" : [ {
      "betId" : "TicketGenerator_20190124083005_116_0",
      "reason" : {
        "code" : -404,
        "message" : "Outcome is not active in MTS, Selection:
uof:1/sr:sport:5/207/873?setnr=1, Match: 17129581 + [Tennis, ITF Men, Itf Egypt
F1, Men Singles, Rosenkranz, Mats vs Tseng, Chun Hsin, Correct score in set
Tennis]"
      },
      "selectionDetails" : [ {
        "selectionIndex" : 0,
        "reason" : {
          "code" : -404,
          "message" : "Outcome is not active in MTS, Selection:
uof:1/sr:sport:5/207/873?setnr=1, Match: 17129581 + [Tennis, ITF Men, Itf Egypt
F1, Men Singles, Rosenkranz, Mats vs Tseng, Chun Hsin, Correct score in set
Tennis]"
        },
        "rejectionInfo" : {
          "eventId" : "17129581",
          "id" : "uof:1/sr:sport:5/207/873?setnr=1",

```



```

        "odds" : 53400
      }
    } ]
  } ]
},
"version" : "2.3",
"signature" : "zekwBlaVc81ci7pXEUR7r19fkMDvtPsLab25QhTDVcY=",
"exchangeRate" : 10000
}

```

11.5. lastMatchEndTime is Missing on Ticket with Non-SR Content

```

{
  "timestampUtc" : 1557143770182,
  "bets" : [ {
    "customBet" : false,
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20190506115610_16371_0",
    "selectedSystems" : [ 1 ]
  } ],
  "ticketId" : "TicketGenerator_20190506115610_16371",
  "selections" : [ {
    "eventId" : "nonsr:match:254344",
    "id" : "ext-pre:20635:s33",
    "odds" : 10100
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 20635,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "deviceId" : "deviceId",
      "id" : "endCustomer"
    },
    "limitId" : 1240
  },
  "version" : "2.3"
}

```

Response:

```

{
  "result" : {
    "ticketId" : "TicketGenerator_20190506115610_16371",
    "status" : "rejected",
    "reason" : {
      "code" : -216,

```

```

    "message" : "Ticket with non-Sportradar content has no lastMatchEndTime
field."
  },
  "betDetails" : [ ]
},
"version" : "2.3",
"signature" : "UBP9pLX/4TkT5LQZV12FT6m8g8djTjpLYvyDkS3Zgag=",
"exchangeRate" : 10000
}

```

11.6. SelectionID of Non-SR Content Selection is in Wrong Format

```

{
  "timestampUtc" : 1557143980856,
  "bets" : [ {
    "customBet" : false,
    "stake" : {
      "value" : 100000,
      "type" : "total"
    },
    "id" : "TicketGenerator_20190506115940_16372_0",
    "selectedSystems" : [ 1 ]
  } ],
  "ticketId" : "TicketGenerator_20190506115940_16372",
  "selections" : [ {
    "eventId" : "nonsr:match:730947",
    "id" : "ext_minus_live:20635:234",
    "odds" : 10100
  } ],
  "sender" : {
    "currency" : "EUR",
    "channel" : "internet",
    "bookmakerId" : 20635,
    "endCustomer" : {
      "ip" : "127.0.0.1",
      "languageId" : "EN",
      "deviceId" : "deviceId",
      "id" : "endCustomer"
    },
    "limitId" : 1240
  },
  "version" : "2.3",
  "lastMatchEndTime" : 1557226834000
}

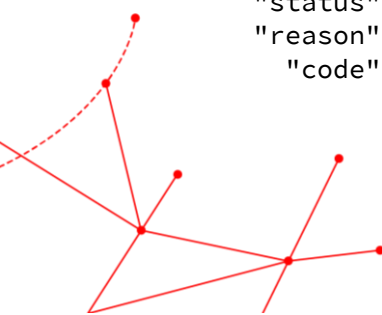
```

Response:

```

{
  "result" : {
    "ticketId" : "TicketGenerator_20190506115940_16372",
    "status" : "rejected",
    "reason" : {
      "code" : -205,

```



```

    "message" : "Invalid prefix or incorrect market pattern in field
selections.id, Selection: ext_minus_live:20635:234, Match: nonsr:match:730947"
  },
  "betDetails" : [ {
    "betId" : "TicketGenerator_20190506115940_16372_0",
    "reason" : {
      "code" : -205,
      "message" : "Invalid prefix or incorrect market pattern in field
selections.id, Selection: ext_minus_live:20635:234, Match: nonsr:match:730947"
    },
    "selectionDetails" : [ {
      "selectionIndex" : 0,
      "reason" : {
        "code" : -205,
        "message" : "Invalid prefix or incorrect market pattern in field
selections.id, Selection: ext_minus_live:20635:234, Match: nonsr:match:730947"
      },
      "rejectionInfo" : { }
    } ]
  } ]
},
"version" : "2.3",
"signature" : "/1vEk5ajMeDelpm59Bvl8Is36Wm6bJBqImsJskxqPGI=",
"exchangeRate" : 10000
}

```

12. Appendix C: Ticket Cancellation

12.1. Full Ticket Cancellation Request

```

{
  "timestampUtc" : 1568874806706,
  "ticketId" : "Cancellation_20190919063302_5114191",
  "sender" : {
    "bookmakerId" : 119886
  },
  "code" : 102,
  "cancelPercent" : 1000000,
  "version" : "2.3"
}

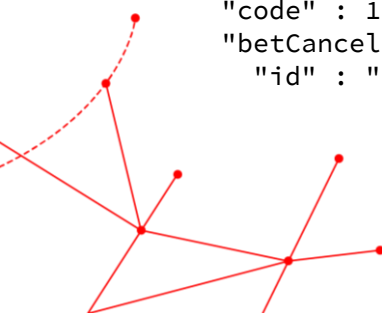
```

12.2. Full Bet Cancellation Request

```

{
  "timestampUtc" : 1568874845864,
  "ticketId" : "Cancellation_20190919063302_5114191",
  "sender" : {
    "bookmakerId" : 119886
  },
  "code" : 102,
  "betCancel" : [ {
    "id" : "Cancellation_20190919063302_5114191_1",

```



```

    "cancelPercent" : 1000000
  } ],
  "version" : "2.3"
}

```

12.3. Partial Ticket Cancellation Request

```

{
  "timestampUtc" : 1568874827640,
  "ticketId" : "Cancellation_20190919063302_5114191",
  "sender" : {
    "bookmakerId" : 119886
  },
  "code" : 102,
  "cancelPercent" : 500000,
  "version" : "2.3"
}

```

12.4. Partial Bet Cancellation Request

```

{
  "timestampUtc" : 1568874845864,
  "ticketId" : "Cancellation_20190919063302_5114191",
  "sender" : {
    "bookmakerId" : 119886
  },
  "code" : 102,
  "betCancel" : [ {
    "id" : "Cancellation_20190919063302_5114191_0",
    "cancelPercent" : 500000
  } ],
  "version" : "2.3"
}

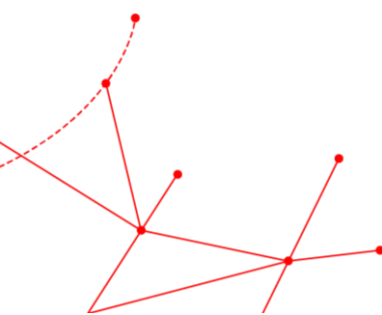
```

12.5. Response for the Valid Cancellation Request

```

{
  "result" : {
    "ticketId" : "TicketGenerator_20190124083402_117",
    "status" : "cancelled",
    "reason" : {
      "code" : 1024,
      "message" : "Ticket Cancellation accepted"
    }
  },
  "signature" : "BFJK6a0L11KSK90HK9kTcHhXKFEWpYmj230TYC8c088=",
  "version" : "2.3"
}

```



12.6. Responses for Invalid Cancellation Requests

12.6.1. Ticket Not Found

This will happen if a ticket cancellation request is sent for a ticket that does not exist in MTS.

```
{
  "result" : {
    "ticketId" : "TicketGenerator_20190124083402_118",
    "status" : "not_cancelled",
    "reason" : {
      "code" : -2010,
      "message" : "Ticket not found"
    }
  },
  "signature" : "997XLEFQYBKyhZTK7NQRC6JyH4AsVZXrQw5oP3T0SXY=",
  "version" : "2.3"
}
```

12.6.2. Cancellation Type is Not Active

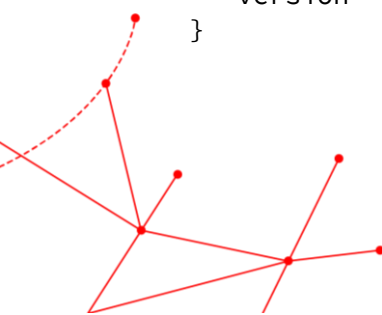
This will happen if a ticket cancellation request is sent for a particular cancellation type that has not been activated on the MTS side. In this case the client should contact the OAM.

```
{
  "result" : {
    "ticketId" : "TicketGenerator_20190124083733_118",
    "status" : "not_cancelled",
    "reason" : {
      "code" : -2016,
      "message" : "Cannot be canceled because particular cancellation option
is not active"
    }
  },
  "signature" : "mdTS2S3aYa8EUT1aHHTkGN9/Vt8W39FkVrMf0Vn4D6Y=",
  "version" : "2.3"
}
```

12.6.3. Cancellation Factor Too Low

This will happen if a partial cancellation request is sent with a cancellation factor lower than the previous cancellation request.

```
{
  "result" : {
    "ticketId" : "Cancellation_20190919063604_5114198",
    "status" : "not_cancelled",
    "reason" : {
      "code" : -2020,
      "message" : "cancel factor is lower than existing"
    }
  },
  "signature" : "a2sGPLt8FggxdPEvhqP5XWdorlD42znnEQEolgael4U=",
  "version" : "2.3"
}
```



12.6.4. Cancellation Factor Out of Bounds

This will happen if a partial cancellation request is sent with a cancellation factor lower than 0% or higher than 100%.

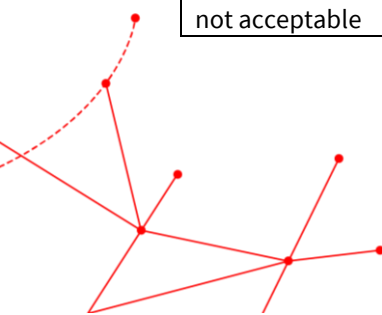
```
{
  "result" : {
    "ticketId" : "Cancellation_20190919063604_5114198",
    "status" : "not_cancelled",
    "reason" : {
      "code" : -2019,
      "message" : "cancel factor is factor is out of bounds"
    }
  },
  "signature" : "a2sGPlT8FggxdPEvhqP5XWdorlD42znnEQEolgae14U=",
  "version" : "2.3"
}
```

13. Appendix D: Validation codes

Table 13-1 Validation codes

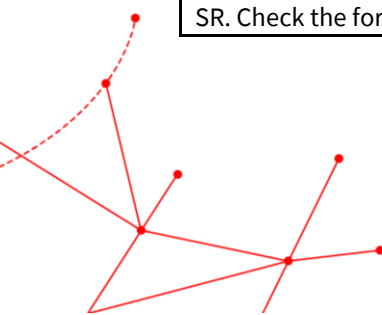
Scenario	Outcome	Code	Rejection message
Checks passed	Accepted	1024	
Model Exceptions			
A field which is mandatory in the ticket is missing or empty. The missing field is specified in the rejection message.	Rejected	-100	The following mandatory field is missing: <parameterName>
Value in mandatory field has wrong type	Rejected	-101	Invalid value in field bet.sys, is not of expected type
Value in optional field has wrong type	Rejected	-102	Invalid value in field bets.selectionRefs.banker is not of expected type
A field which is supposed to contain a number was sent in the ticket by the customer but with the wrong number type. For example, a float was sent instead of an integer. The field with wrong number type is specified in the rejection message. (fields only)	Rejected	-103	Invalid numeric type for field bet.stk
A date field is sent with the wrong format. Field, wrong date and expected format are specified in the rejection message.	Rejected	-104	Invalid date format for field "ts.UTC", found "20161616", expected date format is "YYYYMMDDHHMMSS"
a) The field ChannelID was sent with a value which is not recognized by MTS or with a format error. Allowed values are listed in the rejection message. b) The field source.terminalID was sent with a value which exceeds the allowed length.	Rejected	-106	a) Invalid value in field "channelId", found "Custom", allowed values are [Internet, Mobile, Retail, SMS, Terminals, call centre] b) Invalid value in field source.terminalID, found "x" exceeds maximum allowed length

c) The field endcustomerID was sent with a value which exceeds the allowed length.			c) Invalid value in field endcustomerID, found "x" exceeds maximum allowed length
Selection ID for Non-Sportradar selection is sent in wrong format	Rejected	-105	Selection ID has invalid format.
Value out of allowed range (only for fields outside source object)	Rejected	-107	Value in field <parameterName> is out of allowed range, found <parameterName>, allowed range is X <--> Y
One of the combinations of selections in the multi-bet ticket is not acceptable	Rejected	-108	Ticket contains a bet with duplicate value in field bets.selectionRefs.selectionIndex
Ticket contains an invalid ticket version	Rejected	-109	Invalid value in field version, found X.Y, allowed values are [1.4, 2.0, 2.1, 2.2 and 2.3]
Ticket Exceptions			
Ticket has no bet	Rejected	-201	The following mandatory field is missing: bets
Ticket has no selections	Rejected	-202	The following mandatory field is missing: selections
Bet extension has no bookmaker name	Rejected	-204	The following mandatory field is missing: sender.bookmakerId
The field "Market" contains a value which is not recognizable by MTS. Either the prefix which specifies if the market is live, pre-match, Non-SR content or UOF is not correct or value in "Market" field is not correct.	Rejected	-205	Invalid prefix or incorrect market pattern in field selections.id, Selection: <Selection URL>, Match: <Event ID>
Illegal values in selectedsystems. The n-fold type requested is not compliant with the number of selections. It is not possible, for example, to ask for 12-folds if the number of selected markets is 6. Bankers must also be taken into consideration because if they are selected, the number of possible folds out of a certain number of selections decreases.	Rejected	-207	Values [X] in selectedSystems array are invalid for bet with Y selections incl. Z bankers
LimitID field is missing	Rejected	-209	The following mandatory field is missing: sender.limitId
1) The reofferRefId in the ticket (after Re-offer) does not match the ID of the original ticket 2) The stake (after Re-offer) does not match the re-offered stake.	Rejected	-210	1) Does not match reofferRefId ticket #MTS_Ticket_Version_20_Test_123 2) Stake does not match re-offered stake.
Timing for sending re-offered bet expired	Rejected	-211	Contains reofferRefId #MTS_Ticket_Version_20_Test_923 that was not found
Bet Ids provided for bets in the ticket are not acceptable	Rejected	-212	Inconsistent bet Ids on ticket, either all must be defined, or none

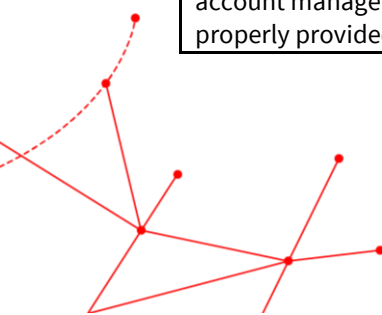


Non-Sportradar content is disabled for specific bookmaker	Rejected	-213	Bookmaker is not allowed to have non-Sportradar content in ticket.
Non-SR content selection is included in a system bet	Rejected	-214	Ticket has system bet with Non-Sportradar content.
Last match end date is in the past	Rejected	-215	Ticket's "lastMatchEndTime" is older than ticket reception time.
"lastMatchEndTime" is not sent when Non-SR content selection is present in the bet	Rejected	-216	Ticket with Non-Sportradar content has no "lastMatchEndTime" field.
Data Format Exceptions			
Stake value is negative	Rejected	-301	Invalid value in field bets.stake.value, found -X, should be a positive value
Euro Stake is negative	Rejected	-302	"ticket#%s has negative EUR stake %s"
Stake is missing or is null	Rejected	-305	Invalid value in field bet.stk
Bet stake is lower than bookmaker min stake limit	Rejected	-306	Stake EUR amount X is too low. Minimum allowed on Limit ID level is Y
The currency field is filled with a value which is not recognizable by MTS. Please, check the value sent	Rejected	-307	Currency YYY is not found in MTS
Max admitted stake is exceeded	Rejected	-308	Max stake is too high
Timestamp in the ticket is future time	Rejected	-309	Value in field timestampUtc is future time
Timestamp in ticket is outdated time	Rejected	-310	Value in field timestampUtc is outdated time
Unit stake field is null	Rejected	-311	Ticket#%s unit stake is null
This currency has been disabled in MTS.	Rejected	-312	Currency YYY is disabled in MTS
The maximum number of selections allowed in MTS is 63. A ticket with more than 63 selections cannot be accepted.	Rejected	-313	Selections amount 99 is higher than max allowed of 63
Selection is sent with a wrong format	Rejected	-314	Ticket %s selection '%s' has invalid line '%s', allowed values '%s'
Bet selection match ID contains a value which is not acceptable. Value must be >0.	Rejected	-315	Value in field selections.eventId should be positive number, Selection: <Selection URL>, Match: -XXXXXXX
The value of the odds is smaller than the minimum value allowed. Minimum value allowed is specified in the rejection message.	Rejected	-316	Odds value is too low. Found 0.01, allowed minimum is 1.01, Selection: <Selection URL>, Match: <Event URL>
The "banker" field was sent with an unacceptable value. Values allowed are either true or false	Rejected	-317	Invalid data in field bets.selectionRefs.banker. Found X, allowed values are [true, false], Selection: <Selection URL>, Match: <Event URL>
Invalid value in field bookmakerID	Rejected	-319	Deserialization failure ~~~> invalid value in field sender.bookmakerId
Related contingency: An outright market cannot be combined with an event which belongs to the same tournament.	Rejected	-320	Chosen events or markets cannot be combined as Tournaments are related<List of Selection URLs>

Related contingency: The bet contains selections which belong to the same market from the same event.	Rejected	-321	Bet contains duplicate selections on same Match: <SelectionURL>, Match: <Match ID>
Related contingency: The bet contains more than one selection from the same event, but different market	Rejected	-322	Bet contains multiple selections on same Match: <SelectionURL>, Match: <Match ID>
Related contingency: The bet contains more than one selection from the same team on tournaments which are related	Rejected	-323	Bet contains duplicate Team IDs in connected Tournaments
The number of possible combinations is different from the expected ones	Rejected	-324	"Number of generated combinations does not match expected"
Extended ways only allows a certain number of combinations, so that tickets don't become too big to process and store. Currently, it's 512 for extended ways.	Rejected	-334	"ticket#%s has too many combinations for extended ways; max %s"
Rejection in case internally MTS cannot generate bet internally out of JSON from Operator	Rejected	-335	Could not generate bets
Ticket contains negative bonus value	Rejected	-336	Bonus value negative -XXX
LiveOdds real time data Exceptions			
The event sent is not recognized by SR. Format of the value sent should be reviewed or ensure the event belongs to SR feed.	Rejected	-401	Match is not found in MTS, Selection: <SelectionURL>, Match: <Match ID>
The event sent is recognized by SR, but it is not active.	Rejected	-402	Match is not active in MTS, Selection: <SelectionURL>, Match: <Match ID>
The selection sent is not recognized by SR. Format of the value should be reviewed or ensure the selection belongs to BR feed.	Rejected	-403	Outcome is not found in MTS, Selection: Selection: <SelectionURL>, Match: <Match ID>
The selection sent is recognized by SR, but not active.	Rejected	-404	Outcome is not active in MTS, Selection: Selection: <SelectionURL>, Match: <Match ID>
The market sent is not recognized by MTS. Format of the value sent should be reviewed or ensure the market belongs to BR feed.	Rejected	-405	Market is not found in MTS, Selection: Selection: <SelectionURL>, Match: <Match ID>
Outright is not found in Line Service	Rejected	-406	Outright is not found in MTS, Selection: Selection: <SelectionURL>, Outright: <Outright ID>
Outright is not active in Line Service	Rejected	-407	Outright is not active in MTS, Selection: <SelectionURL>, Outright: <Outright ID>
Outright market is recognized by SR, but not active	Rejected	-408	Market is not active in Lines Provider, Selection: <SelectionURL>, Outright: <Outright ID>
Outright selection is not recognized by SR. Check the format of the value sent	Rejected	-409	Outcome "UNDER" is not found in Lines Provider, Selection:



and ensure the outright selection belongs to BR feed.			<SelectionURL>, Outright: <Outright ID>
Outright selection is recognized by SR, but not active	Rejected	-410	Outcome XXX is not active in Lines Provider, <SelectionURL>, Outright: <Outright ID>
Odds are not retrievable for the selection sent by the customer	Rejected	-420	Odds not found for selection in Lines Provider
The odds have changed. Odds in the bet are too high compared to the current ones. The bet cannot be accepted.	Rejected	-421	Odds X.YZ are too high, Selection: <SelectionURL>, Match: <Match ID>
Market is not found in Line Service mapping	Rejected	-422	Market is not found, Selection: <SelectionURL>, Match: <Match ID>
Market expired in case of basketball live total markets or markets where results change very fast.	Rejected	-423	Market/SOV expired in MTS. Selections: <SelectionURL>, Match: <Match ID>
The bookmaker signed up for the Alternative Odds, the value sent in the ticket is “none”, and the odds of the bet are different from the odds of the bookmaker (RTOP feed).	Rejected	-430	Ticket odds X.YZ are different than bookmaker odds A.BC, Selection: <SelectionURL>, Match: <Match ID>
The bookmaker signed up for the Alternative Odds, the value sent in the ticket is “higher”, and the odds of the bet are lower than the odds of the bookmaker (RTOP feed).	Rejected	-431	Ticket odds X.YZ are higher than bookmaker odds A.BC, Selection: <SelectionURL>, Match: <Match ID>
Custom Bet is built incorrectly: it either contains selections from different events or the bet is sent as a system bet (value in “selectedSystems” field does not mirror the number of selections).	Rejected	-440	Custom bet is invalid. Reason: custom bet ticket has selections on different events: selection <SelectionURL> on event <Event X ID>, selection <SelectionURL> on event <Event Y ID> Custom bet is invalid. Reason: custom bet ticket has system array with one element X, expected Y (number of ticket selections))
The odds have changed. Odds in the Custom Bet are too high compared to the current ones. The bet cannot be accepted.	Rejected	-441	Odds X.YZ are too high, allowed maximum from custom bet API is A.BC
Generic error code sent to the bookmaker when the MTS does not receive any odds from UOF Custom Bet API during the validation process.	Rejected	-442	External Custom Bet API service is not available
MTS back office(Admin Console) Exceptions			
Bookmaker has MTS package disabled. Please contact OAM.	Rejected	-501	bookmakerId <bookmaker ID> not active in MTS
Settings on limits of the bookmaker are not found in MTS. Please, check with account managers all settings have been properly provided to MTS.	Rejected	-502	Bookmaker settings not found for bookmakerId <bookmaker ID>



The Event or Outright was not recognized in MTS. Check format of the value sent.	Rejected	-503	Event/Outright < Event/Outright Name> is not found in MTS, Selection: <SelectionURL>, Match: <Match ID>
The event is recognized by MTS, but not active.	Rejected	-504	Match is not active in MTS, Selection: <SelectionURL>, Match: <Match ID>
Market not found in MTS Console	Rejected	-505	Market NOT FOUND in MTS. Selection: <SelectionURL>, Match: <Match ID>
The market was recognized in MTS, but not active.	Rejected	-506	Market is not active in MTS, Selection: <SelectionURL>, Match: <Match ID>
The Tournament was not recognized in MTS. Check format of the value sent.	Rejected	-507	Tournament <Tournament Name> is not found in MTS, Selection: <SelectionURL>, Match: <Match ID>
Tournament was recognized by MTS, but not active.	Rejected	-508	Tournament <Tournament Name> is not active in MTS, Selection: <SelectionURL>, Match: <Match ID>
No limits specified in MTS for this bookmakerID or sub-bookmaker.	Rejected	-509	Limit settings for limitId <LimitID> are not found for bookmakerId <Bookmaker ID>
Ticket payout is higher then allowed on Limit ID level	Rejected	-511	Payout is higher than the max payout for Limit ID <LimitID>. Bet payout XXX, Max payout YYY
Aggregated Ticket Payout is higher than allowed on Limit ID level	Rejected	-512	Payout is higher than the aggregated max payout for sourceId <SourceID>. Bet payout XXX, Aggregated Payout is YYY, Max Payout Limit is ZZZ
Rejections due to risk management (liability limits)			
In this case, the bet was rejected because of total liability breached. Total liability could have been breached at Global, Bookmaker or LimitID level.	Rejected	-701	Liability EUR XXX is over Total liability limit EUR YYY on Limit ID(Bookmaker or Global) level, Selection: <SelectionURL>, Match: <Match ID>
In this case, the bet was rejected because the of bet liability breached (liability allowed for one bet). Bet liability could have been breached at Global, Bookmaker or LimitID level.	Rejected	-702	Liability EUR XXX is over Bet liability limit EUR YYY on Limit ID(Bookmaker or Global) level, Selection: <SelectionURL>, Match: <Match ID>
In this case, the bet was rejected because the of the Customer Confidence Factor(CCF) of the punter/endCustomer	Rejected	-703	Liability EUR XXX is over Total liability limit EUR YYY on Customer level, <SelectionURL>, Match: <Match ID> Liability EUR XXX is over Customer Bet liability limit EUR YYY on Customer level <SelectionURL>, Match: <Match ID>
In case of Guaranteed return or surplus trading where the risk coverage is on MTS, the bet is rejected because the Total MTS available liability is breached.	Rejected	-721	Liability EUR XXX is over MTS Total liability limit on MTS level, Selection: <SelectionURL>, Match: <Match ID>

In case of Guaranteed return or surplus trading where the risk coverage is on MTS, the bet is rejected because the bet MTS available liability is breached (bet factor applied to limit calculations).	Rejected	-722	Liability EUR XXX is over MTS Bet liability limit on MTS level, Selection: <SelectionURL>, Match: <Match ID>
In case of Guaranteed return or surplus trading where the risk coverage is on MTS, the bet is rejected because the customer's available liability is breached (bet factor and CCF applied to limit calculations).	Rejected	-723	Liability EUR XXX is over MTS Bet liability limit on Customer level", <SelectionURL>, Match: <Match ID>
The ticket does not comply with JSON specification or data types do not comply with ticket requirements	Rejected	-900	Ticket is unparsable
MTS internal component is down, unavailable or is not responding	Rejected	-993	One of examples: external service dist storage unavailable
The vhost sent does not comply with the one registered for the bookmaker	Rejected	-994	bookmaker '<bookmaker ID>' not authorized for vhost <vhost>
Gate node is disabled. May happen while scheduled maintenance with communication in advance	Rejected	-998	Gate node is disabled
MTS internal system exception. Cause unknown.	Rejected	-999	MTS internal system exception

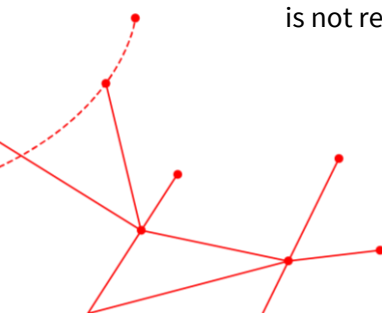
14. Appendix E: MTS Ticket Version 2.2/2.3 vs 2.0

14.1. MTS Ticket Version 2.2

1. eventId: data type of eventId in the ticket JSON has been changed to string
2. selections.id: maximum length has been changed from 100 to 1000
3. currency: Currency string maximum length was increased to 4 characters only for mBTC
4. totalCombinations: New optional JSON object totalCombinations was added in MTS ticket version 2.2. This object should be used in tickets where there are selections from the same event but different markets. If this object is in the ticket JSON then MTS will compare the number of combinations calculated by MTS against this value of totalCombinations. If this object is not in the ticket JSON then this comparison will be skipped

14.2. MTS Ticket Version 2.3

1. customBet: boolean field added for Custom Bet identification ([6.13 Custom Bet](#))
2. calculationOdds: ticket level odds used for Custom Bets ([6.13 Custom Bet](#))
3. entireStake: total ticket stake in case of partially managed stakes ([6.14 Initial Support for "Agent System" Bet Distribution](#))
4. lastMatchEndTime: information about the time when the last Non-SR selection in the ticket should be finished – all open tickets will be settled as lost by MTS if the settlement information is not received within 30 days since the lastMatchEndTime value



14.3. MTS Ticket Response Version 2.2

For cases when Alternative Odds functionality is active and ticket is accepted, new object is added to response:

- **autoAcceptedOdds:** Added new JSON object autoAcceptedOdds in the case where the Operator is using Alternative Odds functionality. This object contains the following sub-objects:
 - a. **selectionIndex:** index of selection from the original ticket (enumeration starts from zero)
 - b. **requestedOdds:** odds value from the original ticket
 - c. **usedOdds:** odds with which the ticket was accepted

For cases when ticket is rejected, rejection information is added on the ticket and bet levels. For more details it is recommended to check the technical description in [6.6](#) Ticket Response, examples in [11](#) Appendix B: Invalid Tickets and JSON schema in [15.2](#) Ticket Acceptance Response JSON Schema 2.3.

15. Appendix F: JSON schemas

15.1. Ticket JSON Schema 2.3

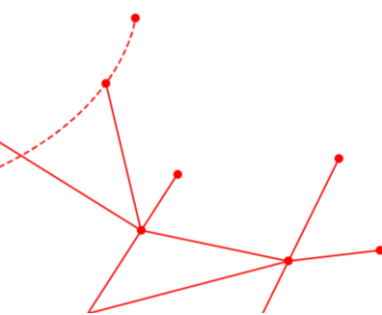
```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "additionalProperties": false,
  "description": "Ticket version 2.3 schema",
  "title": "Ticket container",
  "required": [
    "ticket"
  ],
  "properties": {
    "ticket": {
      "type": "object",
      "additionalProperties": false,
      "description": "Actual ticket being sent to Sportradar",
      "required": [
        "timestampUtc",
        "bets",
        "ticketId",
        "selections",
        "sender",
        "version"
      ],
      "properties": {
        "timestampUtc": {
          "type": "integer",
          "description": "Timestamp of ticket placement (in UNIX time millis)",
          "minimum": 1,
          "maximum": 9223372036854775807
        },
        "bets": {
          "type": "array",
          "description": "Collection of all bets",

```

```

"items": {
  "type": "object",
  "additionalProperties": false,
  "required": [
    "stake",
    "selectedSystems"
  ],
  "properties": {
    "bonus": {
      "type": "object",
      "additionalProperties": false,
      "description": "Bonus of the bet (optional, default null)",
      "required": [
        "value"
      ],
      "properties": {
        "value": {
          "type": "integer",
          "description": "Quantity multiplied by 10_000 and rounded
to a long value",
          "maximum": 1000000000000000000,
          "minimum": 0
        },
        "type": {
          "type": ["string", "null"],
          "description": "Type (optional, default total)",
          "default": "total",
          "enum": [
            "total"
          ]
        },
        "mode": {
          "type": ["string", "null"],
          "description": "Payout mode (optional, default all).
Relevant mostly for system bets. All: all bets must win for bonus to be paid
out.",
          "default": "all",
          "enum": [
            "all"
          ]
        }
      }
    },
    "customBet": {
      "description": "Flag if bet is a custom bet (optional, default
false)",
      "type": "boolean",
      "default": false
    },
    "calculationOdds": {
      "type": ["integer", "null"],

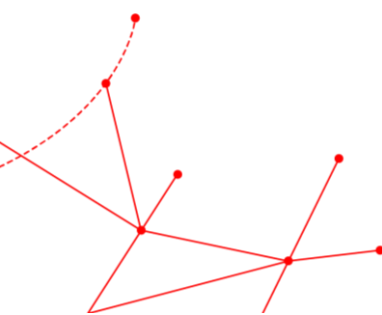
```



```

        "description": "Odds calculated for custom bet multiplied by
10_000 and rounded to int value",
        "maximum": 1000000000,
        "minimum": 10000
    },
    "stake": {
        "type": "object",
        "additionalProperties": false,
        "description": "Stake of the bet",
        "required": [
            "value"
        ],
        "properties": {
            "value": {
                "type": "integer",
                "description": "Quantity multiplied by 10_000 and rounded
to a long value",
                "maximum": 1000000000000000000,
                "minimum": 1
            },
            "type": {
                "type": ["string", "null"],
                "description": "Type of stake (optional, default total)",
                "default": "total",
                "enum": [
                    "total",
                    "unit"
                ]
            }
        }
    },
    "entireStake": {
        "type": "object",
        "additionalProperties": false,
        "description": "Entire stake of the bet",
        "required": [
            "value"
        ],
        "properties": {
            "value": {
                "type": "integer",
                "description": "Quantity multiplied by 10_000 and rounded
to a long value",
                "maximum": 1000000000000000000,
                "minimum": 1
            },
            "type": {
                "type": ["string", "null"],
                "description": "Type of stake (optional, default total)",
                "default": "total",
                "enum": [
                    "total",

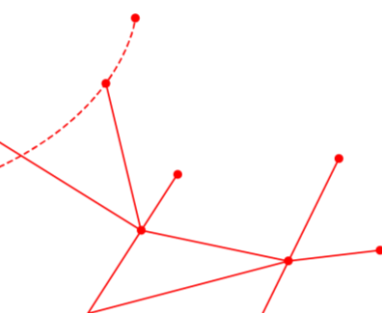
```




```

        "unit"
      ]
    }
  },
  "id": {
    "type": ["string", "null"],
    "description": "Bet id (optional)",
    "pattern": "^[0-9A-Za-z:\\\\-_{1,128}$",
    "minLength": 1,
    "maxLength": 128
  },
  "selectedSystems": {
    "type": "array",
    "default": "null",
    "description": "Array of all the systems (mandatory, [0] is not
allowed, use [fold] instead)",
    "pattern": "(((\\[[1-9]|\\[[1-5][0-9]|(6[0-3]))(\\ * , \\ * (\\[[1-9]|\\[[1-
5][0-9]|(6[0-3]))?))?)",
    "items": {
      "type": "integer"
    },
    "uniqueItems": true,
    "minItems": 1,
    "maxItems": 63
  },
  "selectionRefs": {
    "type": "array",
    "default": "null",
    "description": "Array of selection references which form the
bet (optional, if missing then all selections are used)",
    "items": {
      "type": "object",
      "additionalProperties": false,
      "description": "Array of selection references to form the bet
(optional, if missing all selections are taken)",
      "required": [
        "selectionIndex"
      ],
      "properties": {
        "selectionIndex": {
          "type": "integer",
          "description": "Selection index from 'ticket.selections'
array (zero based)",
          "maximum": 62,
          "minimum": 0
        },
        "banker": {
          "description": "Flag if selection is banker (optional,
default false)",
          "type": "boolean",
          "default": false
        }
      }
    }
  }
}

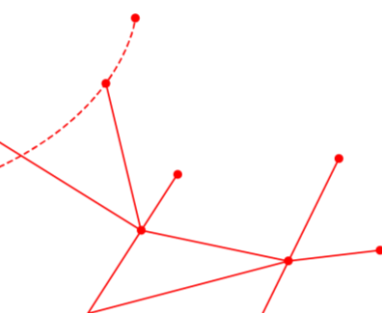
```



```

        }
      },
      "uniqueItems": true,
      "minItems": 1,
      "maxItems": 63
    },
    "reofferRefId": {
      "type": ["string", "null"],
      "description": "Reoffer reference bet id",
      "minLength": 1,
      "maxLength": 128
    },
    "sumOfWins": {
      "type": ["integer", "null"],
      "description": "Sum of all wins for all generated combinations
for this bet (in ticket currency, used in validation)",
      "maximum": 9223372036854775807,
      "minimum": 1
    }
  },
  "minItems": 1,
  "maxItems": 50
},
"ticketId": {
  "type": "string",
  "description": "Unique ticket id (in the client's system)",
  "minLength": 1,
  "maxLength": 128
},
"selections": {
  "type": "array",
  "description": "Array of all selections. Order is very important as
they can be referenced by index in 'ticket.bets.selectionRefs'",
  "items": {
    "type": "object",
    "additionalProperties": false,
    "required": [
      "eventId",
      "id",
      "odds"
    ],
    "properties": {
      "eventId": {
        "type": "string",
        "description": "Betradar event (match or outright) id",
        "minLength": 1,
        "maxLength": 100
      },
      "id": {
        "type": "string",

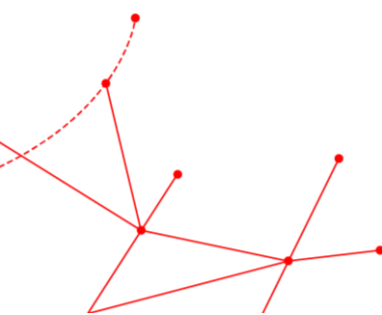
```



```

        "description": "Selection id, should be composed according to
specification",
        "minLength": 1,
        "maxLength": 1000
    },
    "odds": {
        "type": "integer",
        "description": "Odds multiplied by 10_000 and rounded to int
value",
        "maximum": 10000000000,
        "minimum": 10000
    }
}
},
"minItems": 1,
"maxItems": 63
},
"sender": {
    "type": "object",
    "additionalProperties": false,
    "description": "Identification and settings of the ticket sender",
    "required": [
        "currency",
        "bookmakerId",
        "limitId",
        "channel"
    ],
    "properties": {
        "currency": {
            "type": "string",
            "description": "3 or 4 letter currency code (4 letters only apply
to mBTC)",
            "minLength": 3,
            "maxLength": 4
        },
        "terminalId": {
            "type": ["string", "null"],
            "description": "Terminal id (optional)",
            "pattern": "^[0-9A-Za-z:\\\\-_{1,36}$",
            "minLength": 1,
            "maxLength": 36
        },
        "channel": {
            "type": "string",
            "description": "Communication channel",
            "enum": [
                "internet",
                "retail",
                "terminal",
                "mobile",
                "phone",
                "sms",
            ]
        }
    }
}

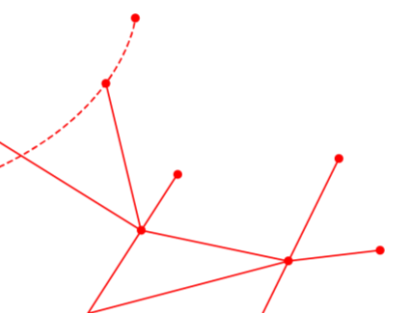
```



```

        "callCentre"
    ]
},
"shopId": {
    "type": ["string", "null"],
    "description": "Shop id (optional)",
    "pattern": "^[0-9A-Za-z:\\\\-_{1,36}$",
    "minLength": 1,
    "maxLength": 36
},
"bookmakerId": {
    "type": "integer",
    "description": "Client's id (provided by Sportradar to the
client)",
    "maximum": 2147483647,
    "minimum": 1
},
"endCustomer": {
    "type": "object",
    "additionalProperties": false,
    "description": "Identification of the end user (customer)",
    "properties": {
        "ip": {
            "type": ["string", "null"],
            "description": "End user's ip",
            "pattern": "^((((25[0-5]|(2[0-4]|1{0,1}[0-9])){0,1}[0-9])\\\\.){3,3}(25[0-5]|(2[0-4]|1{0,1}[0-9])){0,1}[0-9])|((([0-9a-fA-F]{1,4}:){7,7}[0-9a-fA-F]{1,4}|([0-9a-fA-F]{1,4}:){1,7}|([0-9a-fA-F]{1,4}:){1,6}:([0-9a-fA-F]{1,4}|([0-9a-fA-F]{1,4}:){1,5}(:[0-9a-fA-F]{1,4}){1,2}|([0-9a-fA-F]{1,4}:){1,4}(:[0-9a-fA-F]{1,4}){1,3}|([0-9a-fA-F]{1,4}:){1,3}(:[0-9a-fA-F]{1,4}){1,4}|([0-9a-fA-F]{1,4}:){1,2}(:[0-9a-fA-F]{1,4}){1,5}|[0-9a-fA-F]{1,4}:((:[0-9a-fA-F]{1,4}){1,6})|:(:[0-9a-fA-F]{1,4}){1,7}|:)|fe80:(:[0-9a-fA-F]{0,4}){0,4}%[0-9a-zA-Z]{1,}|::(ffff(:0{1,4}){0,1}:){0,1}((25[0-5]|(2[0-4]|1{0,1}[0-9])){0,1}[0-9])\\\\.){3,3}(25[0-5]|(2[0-4]|1{0,1}[0-9])){0,1}[0-9]|([0-9a-fA-F]{1,4}:){1,4}:(25[0-5]|(2[0-4]|1{0,1}[0-9])){0,1}[0-9])\\\\.){3,3}(25[0-5]|(2[0-4]|1{0,1}[0-9])){0,1}[0-9]))))$"
        },
        "languageId": {
            "type": ["string", "null"],
            "description": "ISO 639-1 language code",
            "minLength": 2,
            "maxLength": 2
        },
        "deviceId": {
            "type": ["string", "null"],
            "description": "End user's device id",
            "pattern": "^[0-9A-Za-z:\\\\-_{1,36}$",
            "minLength": 1,
            "maxLength": 36
        },
        "id": {

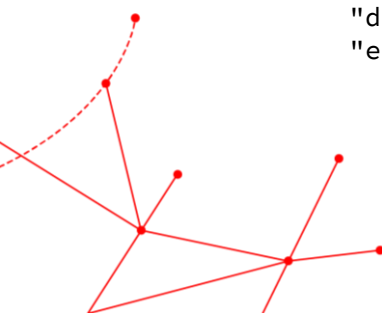
```



```

        "type": ["string", "null"],
        "description": "End user's unique id (in client's system)",
        "pattern": "^[0-9A-Za-z:\\\\-_{1,36}$",
        "minLength": 1,
        "maxLength": 36
    },
    "confidence": {
        "type": ["integer", "null"],
        "description": "Suggested CCF of the customer multiplied by
10_000 and rounded to a long value",
        "maximum": 9223372036854775807,
        "minimum": 1
    }
},
"limitId": {
    "type": "integer",
    "description": "Client's limit id (provided by Sportradar to the
client)",
    "maximum": 2147483647,
    "minimum": 1
}
},
"reofferRefId": {
    "type": ["string", "null"],
    "description": "Reoffer reference ticket id",
    "minLength": 1,
    "maxLength": 128
},
"altStakeRefId": {
    "type": ["string", "null"],
    "description": "Alternative stake reference ticket id",
    "minLength": 1,
    "maxLength": 128
},
"version": {
    "type": "string",
    "description": "JSON format version (must be '2.3')",
    "pattern": "^(2\\.3)$",
    "minLength": 3,
    "maxLength": 3
},
"testSource": {
    "type": "boolean"
},
"oddsChange": {
    "type": ["string", "null"],
    "description": "Accept change in odds (optional, default none) none:
default behaviour, any: any odds change accepted, higher: accept higher odds",
    "default": "none",
    "enum": [

```



```

        "none",
        "any",
        "higher"
    ]
},
"totalCombinations": {
    "type": ["integer", "null"],
    "description": "Expected total number of generated combinations on
this ticket (optional, default null). If present is used to validate against
actual number of generated combinations.",
    "minimum": 1
},
"lastMatchEndTime": {
    "type": ["integer", "null"],
    "description": "End time of last (Non-Sportradar) match on ticket.",
    "minimum": 1
}
}
}
}
}

```

15.2. Ticket Acceptance Response JSON Schema 2.3

```

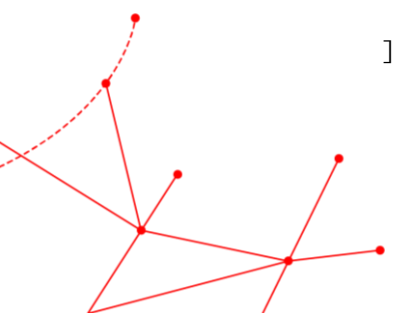
{
"$schema": "http://json-schema.org/draft-04/schema#",
"description": "Ticket response v2.3 schema",
"required": [
    "version",
    "signature",
    "result",
    "exchangeRate"
],
"definitions": {
    "id": {
        "type": "string",
        "description": "Ticket/bet id",
        "minLength": 1,
        "maxLength": 128
    },
    "selectionIndex": {
        "type": "integer",
        "description": "Selection index from 'ticket.selections' array (zero
based)",
        "maximum": 62,
        "minimum": 0
    },
    "reason": {
        "type": "object",
        "additionalProperties": false,
        "description": "Object carrying information about rejection cause",
        "required": [

```

```

    "code"
  ],
  "properties": {
    "code": {
      "type": "integer",
      "description": "Rejection code"
    },
    "message": {
      "type": "string",
      "description": "Rejection reason description"
    }
  }
},
"status": {
  "type": "string",
  "description": "Acceptance status - accepted, rejected",
  "enum": [
    "accepted",
    "rejected"
  ]
}
},
"properties": {
  "result": {
    "type": "object",
    "additionalProperties": false,
    "required": [
      "status",
      "reason"
    ],
  },
  "properties": {
    "ticketId": {
      "description": "External ticket id",
      "$ref": "#/definitions/id"
    },
    "status": {
      "$ref": "#/definitions/status"
    },
    "reason": {
      "$ref": "#/definitions/reason"
    },
    "betDetails": {
      "type": "array",
      "description": "Bet-level rejection details",
      "items": {
        "type": "object",
        "description": "Reason on bet level",
        "required": [
          "selectionIndex",
          "reason",
          "betId"
        ],
      ],
    },
  },
}

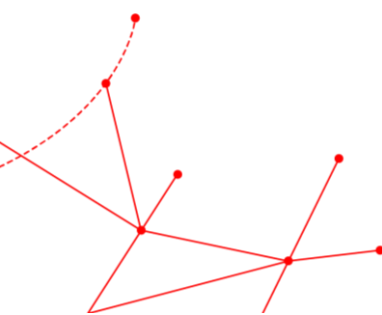
```



```

"additionalProperties": false,
"properties": {
  "betId": {
    "description": "Bet id",
    "$ref": "#/definitions/id"
  },
  "reason": {
    "$ref": "#/definitions/reason"
  },
  "selectionDetails": {
    "type": "array",
    "description": "Per-selection rejection reasons",
    "items": {
      "type": "object",
      "description": "Reason on selection level",
      "additionalProperties": false,
      "properties": {
        "selectionIndex": {
          "$ref": "#/definitions/selectionIndex"
        },
        "reason": {
          "$ref": "#/definitions/reason"
        },
        "rejectionInfo": {
          "type": "object",
          "description": "Rejection information on selection
level",
          "additionalProperties": false,
          "properties": {
            "eventId": {
              "type": "string",
              "description": "Rejected selection's related Betradar
event (match or outright) id",
              "minLength": 1,
              "maxLength": 100
            },
            "id": {
              "type": "string",
              "description": "Rejected selection's related
Selection id",
              "minLength": 1,
              "maxLength": 1000
            },
            "odds": {
              "type": ["integer", "null"],
              "description": "Rejected selection's related Odds",
              "maximum": 1000000000,
              "minimum": 10000
            }
          }
        }
      }
    }
  }
}

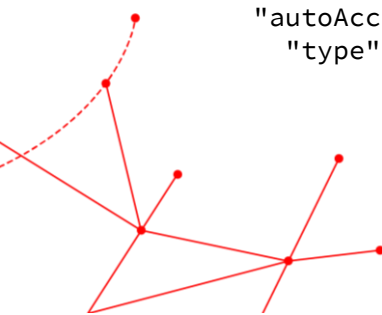
```




```

    }
  },
  "reoffer": {
    "type": "object",
    "description": "Bet reoffer details, mutually exclusive with
alternativeStake",
    "required": [
      "type"
    ],
    "properties": {
      "stake": {
        "type": "integer",
        "description": "Reoffer stake. Double multiplied by 10_000
and rounded to a long value",
        "maximum": 10000000000000000000,
        "minimum": 1
      },
      "type": {
        "type": "string",
        "description": "Reoffer type, if auto then stake will be
present. If manual you should wait for reoffer stake over Reply channel",
        "enum": [
          "auto",
          "manual"
        ]
      }
    }
  },
  "alternativeStake": {
    "type": "object",
    "description": "Alternative stake, mutually exclusive with
reoffer",
    "required": [
      "stake"
    ],
    "properties": {
      "stake": {
        "type": "integer",
        "description": "Alternative stake. Double multiplied by
10_000 and rounded to a long value",
        "maximum": 10000000000000000000,
        "minimum": 1
      }
    }
  }
}
}
}
}
}
}
},
"autoAcceptedOdds": {
  "type": "array",

```



```

"description": "Contains odds auto-acceptance information",
"items": {
  "type": "object",
  "description": "Odds auto-acceptance selection information",
  "additionalProperties": false,
  "properties": {
    "selectionIndex": {
      "$ref": "#/definitions/selectionIndex"
    },
    "requestedOdds": {
      "type": "integer",
      "description": "Odds with which the ticket was placed",
      "maximum": 1000000000,
      "minimum": 10000
    },
    "usedOdds": {
      "type": "integer",
      "description": "Odds with which the ticket was accepted",
      "maximum": 1000000000,
      "minimum": 10000
    }
  }
},
"version": {
  "type": "string",
  "description": "JSON format version (must be '2.3')",
  "pattern": "^(2\\.3)$",
  "minLength": 3,
  "maxLength": 3
},
"signature": {
  "type": "string",
  "description": "Response signature (previous betAcceptanceId)"
},
"exchangeRate": {
  "type": "integer",
  "description": "The exchange rate used when converting currencies to EUR.
Double multiplied by 10_000 and rounded to a long value",
  "maximum": 1000000000000000000,
  "minimum": 1
}
}
}

```

15.3. Ticket Cancellation JSON Schema 2.3

```

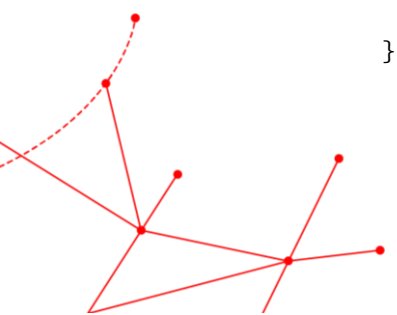
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "additionalProperties": false,
  "description": "Ticket cancel version 2.3 schema",

```

```

"title": "Ticket cancel container",
"required": [
  "cancel"
],
"properties": {
  "cancel": {
    "type": "object",
    "additionalProperties": false,
    "description": "Actual ticket cancel being sent to Sportradar",
    "required": [
      "timestampUtc",
      "ticketId",
      "sender",
      "code",
      "version"
    ],
    "properties": {
      "timestampUtc": {
        "type": "number",
        "description": "Timestamp of ticket cancel placement (in UNIX
time millis)",
        "minimum": 1,
        "maximum": 9223372036854775807
      },
      "ticketId": {
        "type": "string",
        "description": "Ticket id to cancel (in the client's system)",
        "minLength": 1,
        "maxLength": 128
      },
      "sender": {
        "type": "object",
        "additionalProperties": false,
        "description": "Identification and settings of the ticket
sender",
        "required": [
          "bookmakerId"
        ],
        "properties": {
          "bookmakerId": {
            "type": "integer",
            "description": "Client's id (provided by Sportradar to the
client)",
            "maximum": 2147483647,
            "minimum": 1
          }
        }
      },
      "code": {
        "type": "integer",
        "description": "Cancellation code"
      }
    }
  }
}

```



```
    "cancelPercent":{
      "type": ["integer", "null"],
      "description":"Cancel percent. Quantity multiplied by 10_000 and
rounded to a long value. Only applicable if cancelling whole ticket. Max 100%.",
      "maximum":1000000,
      "minimum":1
    },
    "betCancel": {
      "type": "array",
      "description": "Array of (betId, cancelPercent) pairs, if
performing partial cancellation. Applicable only if ticket-level cancel percent
is null.",
      "items": {
        "type": "object",
        "required": [
          "betId"
        ],
        "properties": {
          "id": {
            "type": "string",
            "description": "Bet id",
            "pattern": "^[0-9A-Za-z:\\-_]{{1,128}}$",
            "minLength": 1,
            "maxLength": 128
          },
          "cancelPercent":{
            "type": ["integer", "null"],
            "description":"Cancel percent. Quantity multiplied by
10_000 and rounded to a long value. Max 100%.",
            "maximum":1000000,
            "minimum":1
          }
        }
      },
      "minItems": 1,
      "maxItems": 50
    },
    "version": {
      "type": "string",
      "description": "JSON format version (must be '2.3')",
      "pattern": "^(2\\.3)$",
      "minLength": 3,
      "maxLength": 3
    }
  }
}
```

15.4. Cancellation Response JSON Schema 2.3

```
{
```

```

"$schema": "http://json-schema.org/draft-04/schema#",
"description": "Ticket cancel response 2.3 schema",
"required": [
  "version",
  "signature",
  "result"
],
"definitions": {
  "id": {
    "type": "string",
    "description": "Ticket id",
    "minLength": 8,
    "maxLength": 128
  },
  "reason": {
    "type": "object",
    "additionalProperties": false,
    "description": "Object carrying information about cancellation response",
    "required": [
      "code"
    ],
    "properties": {
      "code": {
        "type": "integer",
        "description": "Cancellation code"
      },
      "message": {
        "type": "string",
        "description": "Cancellation rejection reason description"
      }
    }
  },
  "status": {
    "type": "string",
    "description": "Cancellation status - cancelled, not_cancelled",
    "enum": [
      "not_cancelled",
      "cancelled"
    ]
  }
},
"properties": {
  "result": {
    "type": "object",
    "additionalProperties": false,
    "required": [
      "status",
      "reason"
    ],
    "properties": {
      "ticketId": {
        "description": "Ticket id",

```

```

    "$ref": "#/definitions/id"
  },
  "status": {
    "$ref": "#/definitions/status"
  },
  "reason": {
    "$ref": "#/definitions/reason"
  }
}
},
"signature": {
  "type": "string",
  "description": "Response signature (previous betAcceptanceId)"
},
"version": {
  "type": "string",
  "description": "JSON format version (must be '2.3')",
  "pattern": "^(2\\.3)$",
  "minLength": 3,
  "maxLength": 3
}
}
}

```

15.5. Ticket Acknowledgment JSON Schema 2.3

```

{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "properties": {
    "sender": {
      "type": "object",
      "properties": {
        "bookmakerId": {
          "type": "integer"
        }
      },
      "required": [
        "bookmakerId"
      ]
    },
    "ticketId": {
      "type": "string"
    },
    "ticketStatus": {
      "type": "string",
      "enum": [
        "rejected",
        "accepted"
      ]
    },
    "code": {

```

```

        "type":"integer"
    },
    "message":{
        "type":"string"
    },
    "timestampUtc":{
        "type":"number"
    },
    "version":{
        "type":"string",
        "description":"JSON format version (must be '2.3')",
        "pattern":"^(2\\.3)$",
        "minLength":3,
        "maxLength":3
    }
},
"required":[
    "sender",
    "ticketId",
    "ticketStatus",
    "timestampUtc",
    "version"
]
}

```

15.6. Ticket Cancellation Acknowledgement JSON Schema 2.3

```

{
    "$schema":"http://json-schema.org/draft-04/schema#",
    "type":"object",
    "properties":{
        "sender":{
            "type":"object",
            "properties":{
                "bookmakerId":{
                    "type":"integer"
                }
            }
        },
        "required":[
            "bookmakerId"
        ]
    },
    "ticketId":{
        "type":"string"
    },
    "ticketCancelStatus":{
        "type":"string",
        "enum":[
            "not_cancelled",
            "cancelled"
        ]
    }
},

```

```

    "code":{
      "type":"integer"
    },
    "message":{
      "type":"string"
    },
    "timestampUtc":{
      "type":"number"
    },
    "version":{
      "type":"string",
      "description":"JSON format version (must be '2.3')",
      "pattern":"^(2\\.3)$",
      "minLength":3,
      "maxLength":3
    }
  },
  "required":[
    "sender",
    "ticketId",
    "ticketCancelStatus",
    "timestampUtc",
    "version"
  ]
}

```

15.7. Ticket Cashout JSON Schema 2.3

```

{
  "$schema":"http://json-schema.org/draft-04/schema#",
  "type":"object",
  "additionalProperties":false,
  "description":"Ticket cashout version 2.3 schema",
  "title":"Ticket cashout",
  "required":[
    "timestampUtc",
    "ticketId",
    "sender",
    "version"
  ],
  "properties":{
    "timestampUtc":{
      "type":"number",
      "description":"Timestamp of ticket cashout placement (in UNIX time
millis)",
      "minimum":1,
      "maximum":9223372036854775807
    },
    "ticketId":{
      "type":"string",
      "description":"Ticket id to cashout",
      "minLength":1,

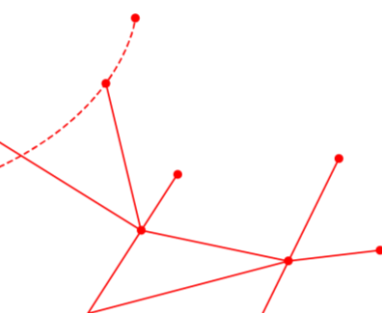
```



```

    "maxLength":128
  },
  "sender":{
    "type":"object",
    "additionalProperties":false,
    "description":"Identification and settings of the cashout sender",
    "required":[
      "bookmakerId"
    ],
    "properties":{
      "bookmakerId":{
        "type":"integer",
        "description":"Client's id (provided by Sportradar to the
client)",
        "maximum":2147483647,
        "minimum":1
      }
    }
  },
  "cashoutStake":{
    "type": ["number", "null"],
    "description":"Cashout stake in same currency as original ticket.
Quantity multiplied by 10_000 and rounded to a long value. Applicable only if
performing full cashout.",
    "maximum":1000000000000000000,
    "minimum":1
  },
  "cashoutPercent": {
    "type": ["integer", "null"],
    "description":"Cashout percent. Quantity multiplied by 10_000 and
rounded to a long value. Percent of ticket to cashout. Max 100%.",
    "maximum":1000000,
    "minimum":1
  },
  "betCashout": {
    "type": "array",
    "description": "Array of (betId, cashoutStake) pairs, if performing
partial cashout. Applicable only if ticket-level cashout stake is null.",
    "items": {
      "type": "object",
      "required": [
        "betId",
        "cashoutStake"
      ],
      "properties": {
        "id": {
          "type": "string",
          "description": "Bet id",
          "pattern": "^[0-9A-Za-z:\\\\-_{1,128}$",
          "minLength": 1,
          "maxLength": 128
        }
      }
    }
  },

```



```

        "cashoutStake":{
            "type": "number",
            "description":"Cashout stake in same currency as original
ticket. Quantity multiplied by 10_000 and rounded to a long value.",
            "maximum":10000000000000000000,
            "minimum":1
        },
        "cashoutPercent": {
            "type": ["integer", "null"],
            "description":"Cashout percent. Quantity multiplied by
10_000 and rounded to a long value. Percent of bet to cashout. Max 100%.",
            "maximum":1000000,
            "minimum":1
        }
    },
    "minItems": 1,
    "maxItems": 50
},
"version":{
    "type":"string",
    "description":"JSON format version (must be '2.3')",
    "pattern":"^(2\\.3)$",
    "minLength":3,
    "maxLength":3
}
}
}

```

15.8. Ticket Cashout Response JSON Schema 2.3

```

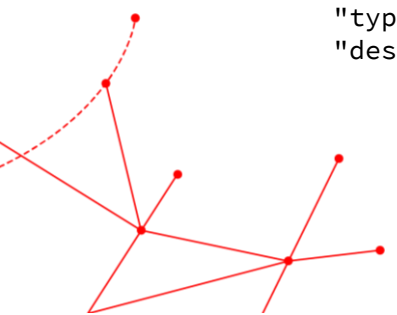
{
    "$schema":"http://json-schema.org/draft-04/schema#",
    "type":"object",
    "additionalProperties":false,
    "description":"Ticket cashout response 2.3 schema",
    "title":"Ticket cashout response",
    "required":[
        "version",
        "signature",
        "result"
    ],
    "definitions":{
        "id":{
            "type":"string",
            "description":"Ticket id",
            "minLength":8,
            "maxLength":128
        },
        "reason":{
            "type":"object",
            "additionalProperties":false,

```

```

"description":"Object carrying information about cashout response",
"required":[
  "code"
],
"properties":{
  "code":{
    "type":"integer",
    "description":"Cashout response code"
  },
  "message":{
    "type":"string",
    "description":"Cashout rejection reason description"
  }
}
},
"status":{
  "type":"string",
  "description":"Cashout status - accepted, rejected",
  "enum":[
    "accepted",
    "rejected"
  ]
}
},
"properties":{
  "result":{
    "type":"object",
    "additionalProperties":false,
    "required":[
      "status",
      "reason"
    ],
    "properties":{
      "ticketId":{
        "description":"Ticket id",
        "$ref":"#/definitions/id"
      },
      "status":{
        "$ref":"#/definitions/status"
      },
      "reason":{
        "$ref":"#/definitions/reason"
      }
    }
  }
},
"signature":{
  "type":"string",
  "description":"Response signature"
},
"version":{
  "type":"string",
  "description":"JSON format version (must be '2.3')",

```



```

        "pattern":"^(2\\.3)$",
        "minLength":3,
        "maxLength":3
    }
}
}

```

15.9. Ticket Re-Offer JSON Schema 2.3

```

{
  "$schema":"http://json-schema.org/draft-04/schema#",
  "type":"object",
  "additionalProperties":false,
  "description":"Re-offer cancel version 2.3 schema",
  "title":"Re-offer cancel container",
  "required":[
    "timestampUtc",
    "ticketId",
    "sender",
    "version"
  ],
  "properties":{
    "timestampUtc":{
      "type":"number",
      "description":"Timestamp of re-offer cancel placement (in UNIX time
millis)",
      "minimum":1,
      "maximum":9223372036854775807
    },
    "ticketId":{
      "type":"string",
      "description":"Re-offer ticket id to cancel (in the client's system)",
      "minLength":1,
      "maxLength":50
    },
    "sender":{
      "type":"object",
      "additionalProperties":false,
      "description":"Identification and settings of the re-offer cancel
sender",
      "required":[
        "bookmakerId"
      ],
      "properties":{
        "bookmakerId":{
          "type":"integer",
          "description":"Client's id (provided by Sportradar to the
client)",
          "maximum":2147483647,
          "minimum":1
        }
      }
    }
  }
}

```

```

    },
    "version":{
      "type":"string",
      "description":"JSON format version (must be '2.3')",
      "pattern":"^(2\\.3)$",
      "minLength":3,
      "maxLength":3
    }
  }
}

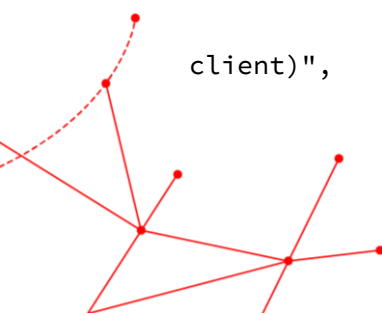
```

15.10. Non-SR Settle Ticket JSON Schema 2.3

```

{
  "$schema":"http://json-schema.org/draft-04/schema#",
  "type":"object",
  "additionalProperties":false,
  "description":"Non-Sportradar settle version 2 schema",
  "title":"Non-Sportradar settle",
  "required":[
    "timestampUtc",
    "ticketId",
    "sender",
    "nonSrSettleStake",
    "version"
  ],
  "properties":{
    "timestampUtc":{
      "type":"integer",
      "description":"Timestamp of non-Sportradar settle placement (in UNIX
time millis)",
      "minimum":1,
      "maximum":9223372036854775807
    },
    "ticketId":{
      "type":"string",
      "description":"Ticket id to settle",
      "minLength":1,
      "maxLength":50
    },
    "sender":{
      "type":"object",
      "additionalProperties":false,
      "description":"Identification and settings of the settle sender",
      "required":[
        "bookmakerId"
      ],
      "properties":{
        "bookmakerId":{
          "type":"integer",
          "description":"Client's id (provided by Sportradar to the
client)",

```



```

        "maximum":2147483647,
        "minimum":1
    }
}
},
"nonSrSettleStake":{
    "type": ["integer", "null"],
    "description":"Non-Sportradar settle stake in same currency as
original ticket. Quantity multiplied by 10_000 and rounded to a long value.
Applicable only if performing full cashout.",
    "maximum":1000000000000000000,
    "minimum":1
},
"version":{
    "type":"string",
    "description":"JSON format version (must be '2.3')",
    "pattern":"^(2\\.3)$",
    "minLength":3,
    "maxLength":3
}
}
}

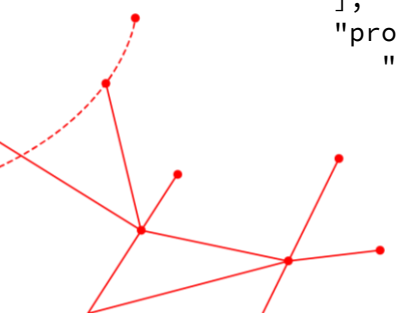
```

15.11. Non-SR Settle Ticket Response JSON Schema 2.3

```

{
    "$schema":"http://json-schema.org/draft-04/schema#",
    "type":"object",
    "additionalProperties":false,
    "description":"Ticket non-Sportradar settle response v2 schema",
    "title":"Non-Sportradar settle response",
    "required":[
        "version",
        "signature",
        "result"
    ],
    "definitions":{
        "id":{
            "type":"string",
            "description":"Ticket id",
            "minLength":8,
            "maxLength":128
        },
        "reason":{
            "type":"object",
            "additionalProperties":false,
            "description":"Object carrying information about settle response",
            "required":[
                "code"
            ],
            "properties":{
                "code":{

```



```

        "type":"integer",
        "description":"Settle response code"
    },
    "message":{
        "type":"string",
        "description":"Settle rejection reason description"
    }
}
},
"status":{
    "type":"string",
    "description":"Settle status - accepted, rejected",
    "enum":[
        "accepted",
        "rejected"
    ]
}
},
"properties":{
    "result":{
        "type":"object",
        "additionalProperties":false,
        "required":[
            "status",
            "reason"
        ],
        "properties":{
            "ticketId":{
                "description":"Ticket id",
                "$ref":"#/definitions/id"
            },
            "status":{
                "$ref":"#/definitions/status"
            },
            "reason":{
                "$ref":"#/definitions/reason"
            }
        }
    },
    "signature":{
        "type":"string",
        "description":"Response signature"
    },
    "version":{
        "type":"string",
        "description":"JSON format version (must be '2.3')",
        "pattern":"^(2\\.3)$",
        "minLength":3,
        "maxLength":3
    }
}
}
}

```

