



TAG TrustNet Demand Side Platform Requirements

Version: 1.2

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Required Agreements

- TAG TrustNet Membership Agreement (signed with TAG)
- TAG TrustNet Licensing and Service Level Agreement (signed with Fiducia)

General Requirements

- DSPs are required to receive Verified by TAG (<https://www.tagtoday.net/verified-by-tag>) status before applying for TAG TrustNet Membership.
- DSPs are required to provide log level data to their clients, compliant with specifications set out below, specifically the 'required' fields.

Log Level Data Accessibility Requirements

- Log level data access must be provided to clients promptly upon request by the DSP seat owner.
- DSPs shall not prevent or delay its clients from accessing log level data and support the goal of its ingestion into TAG TrustNet for analysis and/or sharing with third parties.
- Log level data files must be provided with comprehensive documentation including detailed descriptions of all data fields (typically with a data dictionary).
- Impression events must be reported in compliance with industry guidelines, e.g., IAB begin to render:
 - [http://www.mediaratingcouncil.org/Desktop-Display-Impression-Measurement-Guidelines-US%20\(MMTF%20Final%20v1.1\).pdf](http://www.mediaratingcouncil.org/Desktop-Display-Impression-Measurement-Guidelines-US%20(MMTF%20Final%20v1.1).pdf),
 - https://www.iab.com/wp-content/uploads/2016/12/Digital-Video-Impression-Measurement-Guidelines_1.1.pdf,
 - [http://www.mediaratingcouncil.org/Mobile%20In-App%20Measurement%20Guidelines%20\(MMTF%20Final%20v1.1\).pdf](http://www.mediaratingcouncil.org/Mobile%20In-App%20Measurement%20Guidelines%20(MMTF%20Final%20v1.1).pdf)

Log Level Data Ingestion Automation (Optional)

- To simplify the activation of a DSPs log level data in TAG TrustNet for DSP clients, DSP may support the following mechanism:
 - Upon a client's request for a log level data feed enablement for an owned seat ID:
 - Start continuous upload of seat ID log files into TAG TrustNet Node Amazon S3 storage bucket provided by Fiducia; or,
 - Enable seat ID log data in the data view shared with Fiducia Snowflake account using Snowflake Data Exchange;
 - Fiducia will configure a dedicated instance of TAG TrustNet Node for each DSP, which will automatically share provided DSP seat log level data with TAG TrustNet Nodes of DSP seat owners;
 - Data will be protected from unauthorised access end-to-end using encryption in transit and at rest.

Compliance with Data Protection Laws

- Log level data provided for ingestion into TAG TrustNet shall not include any Personal Data (as defined below) and must fall outside of the scope of any data protection laws, including, without limitation, the GDPR and the CCPA. All Personal Data, and any data fields which represent pseudonymous data, must be removed from the data set that you provide before it is ingested into the TAG TrustNet. Further, you must not use any data accessed or received by use of the TAG TrustNet to generate, infer, or otherwise Process Personal Data.
 - "Personal Data" means any information defined as "personal data," "personal information," "personally identifiable information," "nonpublic personal information," or other similar term under any applicable data privacy or protection laws.
 - "Process" means (a) any operation or set of operations which is performed on Personal Data or on sets of Personal Data, whether or not by automated means or (b) as such term (or similar term) is otherwise defined under applicable data privacy or protection laws.

Log Level Data Technical Requirements

The tables below list the type of data files required, the frequency, and format.

	Log Files Data Required	Frequency
DSP	Impressions, Data Dictionaries	New log file entries must become available continuously to Fiducia within 24 hours

Technical Requirements

- DSPs are required not to change data record contents in internal systems in a way that they will become out of sync with log level data provided to a client. If data restatement is required, then the seat owners and TAG TrustNet must be informed in a timely fashion so impression events can be reprocessed.
- Impression log file records and database records provided to a client are deemed immutable in TAG TrustNet for the purpose of ad delivery audit.
- Impression log file records must be included in the log files no later than 48 hours after the impression event. Any impression log file record delivered beyond this time limit will be ignored for the purpose of ad delivery audit in TAG TrustNet.
- Timestamps for impression events must be determined on the server-side using an authoritative time source.
- Timestamps must always be reported in UTC time zone.
- If impression records are reported via database (e.g., Snowflake), they must contain both the impression timestamp and timestamp of data record insertion into the log database.

- As part of DSPs log file delivery, data dictionaries allowing the mapping of impression record data fields to their meaning must be provided at least every 24 hours.
- Reported seller IDs and buyer IDs have to match respective records in sellers.json and buyers.json files.

Required and Recommended Data Fields

The following table details the 'required' and 'recommended' fields for impression events, with references to the OpenRTB specs where appropriate.

Field	Status	Description
Event Type	Required	Detailed type of the reported event: auction win notice, impression requested, impression code served, impression begin to render, click, conversion, etc. This may be reported as different events for subsequent matching or may be flagged as fields in the single impression event.
Timestamp	Required	The date and time of the impression event. Has to be reported in sync with authoritative time source in UTC time zone.
Seat Owner / Partner Name	Recommended	The name of the agency / advertiser, which has legal agreement with DSP and owns DSP seat
Seat ID	Required	DSP seat ID. For oRTB 2.x: bidresponse.seatbid.seat. oRTB 3.x: response.seatbid.seat.
Exchange ID	Required	The name or ID of the Exchange platform that the bid response was submitted to.
Exchange Domain	Recommended	Domain, where Exchange sellers.json file is located.
Advertiser ID	Required	The advertiser ID in the reporting system that identifies advertiser who have purchased the impression. Mapping of advertiser IDs and advertiser names should be provided by reporting platform.
Advertiser Domain	Required	Advertiser domain. oRTB 2.5: bidresponse.seatbid.bid.adomain. oRTB 3.0: response.seatbid.bid.media.ad.adomain.
Campaign ID	Required	The campaign ID in the reporting system. For oRTB 2.x: bidresponse.seatbid.bid.cid. oRTB 3.x: response.seatbid.bid.cid.
Campaign Name	Recommended	The campaign ID in the reporting system.
Insertion Order Number	Recommended	The insertion order number in the reporting system.

Creative ID	Required	The creative ID number in the reporting system. oRTB 2.x: bidresponse.seatbid.bid.crid, oRTB 3.x: response.seatbid.bid.media.ad.id .
Creative Type	Recommended	The creative type in the reporting system. ORTB 2.x: bidresponse.seatbid.bid.attr, oRTB 3.x: response.seatbid.bid.media.ad.attr. See creative type in table 5.3 in OpenRTB 2.x or the List: Creative Attributes in oRTB 3.x.
Country	Required	The country where the ad was served. For oRTB 2.x: bidrequest.geo.country, oRTB 3.x: request.context.geo.country.
Device Type	Required	The oRTB type of the device if available (oRTB 2.x: bidrequest.device.devicetype, oRTB 3.x: request.context.device.type). See device type in oRTB 2.5 table 5.21 or List: Device Types in oRTB 3.x.
OS Type	Recommended	OS type. This may differ by data provider and require creation of mapping dictionary.
Browser Type	Recommended	Browser type. This may differ by data provider and require creation of mapping dictionary.
City	Recommended	City.
Deal ID	Required	The deal ID when available (oRTB 2.x: bidresponse.seatbid.bid.dealid, oRTB 3.x: response.seatbid.bid.deal).
Auction Type	Recommended	The type of the RTB auction, first or second price. (oRTB 2.x: bidrequest.at, oRTB 3.x: request.at).
Transaction Type	Recommended	Type of the transaction: OMP, PMP, PG
Supply Chain Object	Recommended	The entire supply chain object reported to the DSP. This should include all nodes in the nodes array. (oRTB 2.4: bidrequest.ext.schain.nodes, oRTB 2.5 bidrequest.source.ext.schain.nodes, oRTB 3.x: request.source.ext.schain.nodes).
ads.txt Validation	Recommended	Validation that the SSP is listed in the publisher's ads.txt file.
Page URL	Required	Publisher site URL, where the impression was served (oRTB 2.x: bidrequest.site.page. , oRTB 3.x: request.context.site.page).
Site Domain	Required	The publisher site domain, where the impression was served (oRTB 2.x:

		bidrequest.site.domain, oRTB 3.0: request.context.site.domain).
App Domain	Required	The app domain for the application, where the impression was served(oRTB 2.x: bidrequest.app.domain, oRTB 3.0: request.context.app.domain).
App Bundle	Required	The app bundle for the application, where the impression was served (oRTB 2.x: bidrequest.app.bundle, oRTB 3.0: request.context.app.bundle).
App Store URL	Required	The app store URL for the application, where the impression was served(oRTB 2.x: bidrequest.app.storeurl, oRTB 3.0: request.context.app.storeurl).
oRTB Bid Request Impression ID	Required	The oRTB ID of the impression in BidRequest. oRTB 2.x: bidrequest.imp.id ; oRTB 3.x: bidrequest.item.id .
oRTB Bid Request ID	Required	The oRTB ID of the bid request (oRTB 2.x: bidrequest.id , oRTB 3.0: request.id).
Media Cost in USD	Required	The cost of the impression being charged to the DSP by the Exchange. Media cost shall be reported in USD and match billing figure invoiced by the Exchange.
Data Cost in USD	Required	The cost of any data associated with the impression.
Other Costs in USD	Required	Any costs other than media and data that will be associated with the impression (such as platform fees).
Total Cost in USD	Required	The total of media, data, other costs invoiced to a seat owner by DSP. Reported in USD. After conversion into Partner Currency shall match billing figure invoiced by the DSP.
Total Cost with Partner Markup in USD	Recommended	The total of media, data, other costs, and partner mark up (if the partner markup is being tracked in the DSP platform).
Partner Currency	Required	The currency that is used by the seat owner that is using the DSP.
Partner Currency Exchange Rate From USD	Required	The numeric rate of exchange in use at the time of the event to convert from USD to partner currency.
Advertiser Currency	Recommended	The currency that is used by the advertiser.
Advertiser Currency Exchange Rate From USD	Recommended	The numeric rate of exchange in use at the time of the event to convert from USD to the advertiser currency.
Viewability Can be measured	Recommended	Whether the impression is measurable for viewability by the DSP.
Viewability Measurement	Recommended	The viewability measurement by the DSP.

