CG Gateway

EMV XML API

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Preface

General

This document describes the XML API for CG Gateway clearance commands and presents the XML structure.

Related Documents

Document Name	Subject	Content
Original Shva EMV Protocol	Shva Emv Protocol Description	Detailed description of the field content.
CG Gateway Error Codes	CG Gateway System Return Codes	For each error code the record describes: Hebrew text, English text, user display text, severity level and code level (source).

Conventions

The document uses the following conventions:

- **(M)** Indicates that a field/tag is mandatory.
- **(C)** Conditionally required field/tag that must be completed if certain conditions are met.
- Notes are used to call your attention to especially important information.

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Introduction

CG Gateway Solution

- Credit Guard's CG Gateway solution enables you to conveniently work with the Israeli Clearance Center (ABS) and other international clearance gateways using standard XML response/request format.
- Please note that from time to time CG Gateway's XML API might change, in a way that additional tags will be added to the protocol for supporting additional functionality. In such a scenario additional tags will be added to the response XML even for unchanged requests. It is the merchant responsibility to parse the returned XML in such a manner that additional tags will be ignored, and only relevant data will be extracted from the CG Gateway response XML.
- The new API as introduced in this document, is similar but not compatible with **CG Gateway 96 protocol.**

Basic Terms

- **Shva ABS** (Automatic Banking Services Ltd.)–established by the five largest banks in Israel, Shva is a private company that provides clearance services to all the local credit companies.
- **CG Gateway 96 protocol**–The deprecated protocol used to send a transaction via ABS. This protocol is composed of two strings: INT_IN FILE (request) and INT_OT (response).
- **CG Gateway EMV protocol**–The new protocol used to send a transaction via ABS EMV protocol. This protocol is composed of ISO 8583 messages.
- **CG Gateway XML API** – an interface for sending/receiving clearance XML commands to CG Gateway server. This document describes the "doDeal" interface that is one of many commands of CG Gateway XML API
- **CG Gateway server**– the CG Gateway server, which receives clearance requests from the merchant, processes them, sends them to the credit companies through Shva ABS switch for authorizations (if needed), and then sends a reply to the merchant's request. CG Gateway server is also in charge of transmitting end-of-day transactions for clearance to the acquirers through Shva ABS switch.

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General Structure

Request

- Below is the XML structure of the request. The mandatory general opening tags are **ashrait** and **request**.
- Request Syntax

```
<ashrait>
     <request>
           <command/>
           <requestId/>
           <dateTime/>
           <version/>
           <language/>
           <mayBeDuplicate/>
           <(command name)>
                 ...
           </(command name)>
     </request>
</ashrait>
```

- Tag Details

XML Field	Field Type	Description
command (M)	Alphanumeric	Request name for CG Gateway.
requestId (C)	String (20)	ID of request, which is returned in the response. requestId is limited to 20 characters. If <mayBeDuplicate> is true (value 1) then field requestId is required & mandatory.
dateTime	Date & time	Requested date and time. YYYY-MM-DD hh:mm:ss
version	Value: 2000	XML version.
language	HEB | ENG	Language of "message" and "user message" fields - Hebrew/English.

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XML Field	Field Type	Description
mayBeDuplicate	0 | 1 | empty	For transaction resent in case of transaction timeout. This Option is available only when installed. If <mayBeDuplicate> is true (value 1), CG Gateway checks whether the transaction has already been made and if all the details of the request are identical to the existing request. An error is returned for invalid requests; for identical requests, CG Gateway checks the completion status of the existing request. If the request is complete, the response is sent again. If the request is incomplete, the system completes the transaction and returns the response to the user. When using mayBeDuplicate then filed requestId is mandatory and required to be unique for each transaction.
command name (M)		The main tag for all the tags that include this command data.

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Response

- Below is the XML structure of the response. The mandatory general opening tags are **ashrait** and **response**.
- Response syntax

```
<ashrait>
     <response>
          <command/>
          <dateTime/>
          <requestId/>
          <tranId/>
          <result/>
          <message/>
          <userMessage/>
          <additionalInfo/>
          <version/>
          <language/>
          <(command name)>
               ...
          </(command name)>
     </response>
</ashrait>
```

- Tag Details

XML Field	Field Type	Description
command	Alphanumeric	Request name for CG Gateway.
dateTime	Date & time	Requested date and time. YYYY-MM-DD hh:mm:ss
requestId	String (20)	ID of request, which is returned in the response. requestId is limited to 20 characters.
tranId	Numeric	ID of transaction.
result	Numeric (3-5)	Response result code.
message	String	Response text message.
userMessage	String	Response text message for non-technical personnel.
additional Info	String	Additional information if available, which can assist you with the returned response.
version	Value: 2000	XML version.
language	HEB | ENG	Hebrew/English.
command name		The main tag for all the tags that include this command data.

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Error

- If an XML command is unreadable or broken, or in the case of some fatal errors, CG Gateway returns a generic error message.
- Response syntax

```
<ashrait>
     <response>
          <dateTime/>
          <requestId/>
          <tranId/>
          <command/>
          <result/>
          <message/>
          <userMessage/>
          <additionalInfo/>
          <version/>
          <language/>
     </response>
</ashrait>
```

- Tag Details

XML Field	Field Type	Description
command		Request name for CG Gateway.
dateTime	Date & time	Requested date and time.
requestId	String (0-20)	ID of request, which is returned in the response. requestId is limited to 20 characters.
tranId	Numeric(1-19)	ID of transaction.
command		Request name for CG Gateway.
result	Numeric (3-5)	Response result code.
message	String	Response text message.
userMessage	String	Response text message for non-technical personnel.
additionalInfo	String	Additional information if available, which can assist you with the returned response.
version	Value: 2000	XML version.
language	HEB | ENG	Hebrew/English.

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API Commands

doDeal Request Tags

- The doDeal command is used to process transactions in the CG Gateway.
- The following table presents the doDeal request's XML field tags:

XML Field	Field Type	Value	Description
terminalNumber (M)	Numeric (10)		Terminal number. This is the entity that holds the financial agreement between the merchant and the credit company. The merchant might choose to work with more than one terminal number.
cardId (C)	Numeric (16) or Numeric (36)		A card identification number provided by Credit Guard. If cardId is provided, cardNo is not mandatory and vice versa. Length is subject to terminal card id settings (16 or 36) The cardId is provided to customers that have purchased the Card ID module. It is designed for customers that don't want to save credit card numbers in their systems.
track2 (C)	RegExp (8-37)	Card's track2.	RegExp Value: [0-9]*=[0-9]* Track2 data – The magnetic field of the card (when the credit card is swiped). **Mandatory** when swiping card (transactionCode value should be Regular . If sent, there is no need to send cardNo & cardExpiration
cardNo (C)	Numeric (8-19)		The card number (when the transaction is over the phone/Internet

XML Field	Field Type	Value	Description
			or the card could not be swiped). The cardNo can be replaced by the cardId if working with Card Id module. **Mandatory** when transaction is over phone/Internet.
total (M)	Numeric (1-8)		The total amount of the transaction in cents, Agorot, etc.
transactionType (M)	Enum	Debit	Card holder is charged.
		Credit	Card holder is credited (no original debit transaction)
		Forced	Card holder is charged. Used to force a local approved transaction that should have been approved remotely.
		CashBack	Card holder is charged. Whereby an amount is added to the total purchase price of the transaction and the card holder receives that amount in cash along with the purchase
		Cash	Card holder is charged and receives the amount in cash.
		RecurringDebit	Used in Israeli market only for recurring payments. An initial "recurringDebit" transaction using J5 request is sent to initiate a series of recurring payments. Then, subsequent periodical "recurringDebit" requests are sent for each recurring payment in order to debit the card holder for each payment.
		BalanceEnquiry	Card holder is not charged. Enquiry of card holder balance only. When sending this value the “total” field of the request must be set to “1”

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XML Field	Field Type	Value	Description
		Load	Used with rechargeable cards only whereby the card balance is credited by the transaction amount.
		Discharge	Used with rechargeable cards only whereby the card holder receives cash for the total amount of the card balance.
creditType (M)	Enum	The following credit types are supported	
		RegularCredit	A single debit payment.
		IsraCredit	"Isracredit", "AMEX credit", "Visa Adif/30+", "Diners Adif/30+" (local Israeli payment method).
		AdHock	Ad hock debit- "Hiyuv Miyadi" (local Israeli payment method).
		SpecialCredit	Special credit - "credit"/"fixed payments credit" (local Israeli payment method). Tag numberOfPayments is mandatory
		Payments	Multiple payments debit (installments). Tags numberOfPayments, periodicalPayment and firstPayment are mandatory according to the notes below
currency (M)	Enum	ISO 4217 currency code (according to supported currencies by the credit company). Examples:	
		ILS	New Israeli Shekel.
		USD	United States Dollar.
		GBP	Great Britain Pound.
		HKD	Hong Kong Dollar
		JPY	Japanese Yen
		EUR	European currency unit.
transactionCode (M)	Enum	Card entry mode (describing the transaction origin environment)	
		Regular	Swiping of magnetic card.

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XML Field	Field Type	Value	Description
		Phone	Transaction through MOTO (mail or telephone) with card number.
		Signature	Card holder is present, however card is not swiped.
		Internet	An e-commerce transaction.
authNumber	Alpha Numeric (3-7)		Authorization number that is returned from the card issuer company when a transaction is authorized.
firstPayment (C)	Numeric (0-20)		First payment amount in cents, Agorot, etc. This field is **mandatory** when using creditType Payments.
periodicalPayment (C)	Numeric (0-20)		Periodical payment in cents, Agorot, etc. This field is **mandatory** when using creditType Payments.
numberOfPayments (C)	Numeric (0-20)		Number of payments. This field is **mandatory** when using creditType: • Payments – The value will be the number of payments minus 1 • SpecialCredit – the value will be the total number of payments • SpecialAlpha - the value will be the total number of payments
slaveTerminalNumber	Numeric(1-3)		Kupa in Shva (with leading zeros)
validation (M)	Enum		
		The following are the supported values for the "validation" field in the request (left column below) along with the value (code) as returned in the response (also referenced as "J Code") and the relevant description of each validation value.	
		NoComm / J0	Verifies card locally. If the card is ok and the total amount of the deal is under the ceiling, a debit is made without communication to Shva.

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XML Field	Field Type	Value		Description
				If it's above the ceiling, an error occurs.
		Normal	J2	A local check on the CG Gateway for the validity of the credit card number and if it exist in the blocked cards list. No actual debit occurs.
		AutoComm	J4	A capture request. verifies card locally or in credit company; depends on ceiling ZFL terminal parameters A positive response results in actual settlement.
		Verify	J5	An authorization request only. Verifies card by credit company regardless of the ceiling ZFL terminal parameters. No settlement is performed; the amount of verify without settlement is held in card holder's "Obligo". A subsequent capture "AutoComm" request should be sent when settlement is desired for the authorization. Available only when the credit card company allows it on the terminal
		Dealer	J6	Verifies card by credit company regardless of the ceiling ZFL terminal parameters; settlement is performed.
		AutoCommHold	J9	Performs a J4 transaction. Yet the transaction will not be settled (transmitted). The method of transmitting the transactions can be configured per merchant or by releasing the transaction with AutoCommRelease command.
		AutoCommRelease	J109	Used for releasing a transaction (previously performed by using J9). Realeasing a transaction can be done by using the original card number, the cardId (when supported on the terminal) or track2 when the original transaction was performed with track2. See examples for usage

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XML Field	Field Type	Value		Description
		Token	J102	A local check on the CG Gateway for the validity of the credit card number for tokenization purposes. Used to return "cardId" identifier of the card details. Merchant can then use the cardId without saving the actual card details in order to preform transactions. Card tokenization feature depends on terminal configuration.
		cardNo	J201	Used for retrieving card details of an existing "cardId" identifier that was generated for the merchant. This option is dependent on terminal configuration.
mainTerminalNumber (C)	Numeric (0-7)			Main terminal number. **Mandatory** if merchant works in "ravSapak" mode, and should not be used otherwise.
cardExpiration (C)	Date (4)	MMYY		Card expiration date (Month and year). **Mandatory** if using card number or cardId
cvv (C)	Numeric (1-4)			Three/four last digits on back of credit card. You can also send: 0–merchant chooses not to pass CVV. 2–CVV is not readable. 9–card does not have CVV. **Mandatory** only if the terminal requires CVV check. **Exceptions are** in local check transactions and transactions sent with authNumber
dealerNumber (C)	Numeric(1-7)			Merchant's number in credit company. **Mandatory** if merchant works in "ravMutav" mode, and should not be used otherwise.

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XML Field	Field Type	Value	Description
user	String (1-19)		Field for free text (optional). This is returned in response as is. Typically used for merchant unique identifier. It is recommended to enter the unique identifier for the transaction in the merchant's system.
id (C)	Numeric (4-10)		Israeli ID number of card owner. **Mandatory** only if the terminal requires id check, and for cards issued in Israel **Exceptions are** in local check transactions (J2) and transactions sent with authNumber (J4 after J5)
addonData	Numeric (2-8)		Identification field determined by merchant and credit company. The value (if exists) is presented in credit company reports. Available only when the credit company allows it on the terminal.
cavv	Base64 String(48)		A field for merchants that use the 3DSecure service. UCAF/CAVV string obtained from 3DS MPI.
eci	Numeric(1)		A field for merchants that use the 3DSecure service E-Commerce indicator (as obtained from 3DS MPI
xid	String(48)		A field for merchants that use the 3DSecure service xid string obtained from 3DS MPI.
shiftId1	AlphaNumeric (1-32)		Shift identifier that can be associated with the transaction. Used for grouping transactions with one single identifier. For more details please advise the "Shift Based Transmit" API document.

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XML Field	Field Type	Value	Description
shiftId2	AlphaNumeric (1-32)		Shift identifier that can be associated with the transaction. Used for grouping transactions with one single identifier. For more details please advise the "Shift Based Transmit" API document.
shiftId3	AlphaNumeric (1-32)		Shift identifier that can be associated with the transaction. Used for grouping transactions with one single identifier. For more details please advise the "Shift Based Transmit" API document.
shiftTxnDate	Date & time	Requested date and time. YYYY-MM-DD hh:mm:ss	Current shift date that can be associated with the transaction. For more details please advise the "Shift Based Transmit" API document.
cgUid	Numeric(19)		Identifier allocated by CG-Gateway. All related requests of the same "financial transaction" share the same cgUid value. cgUid should be sent when sending a J4 (capture) of a previous J5 authorized transaction. Thus, it is best practice to send cgUid identifier in a two phase sale in order to identify the initial authorization.
customerData			Merchant's additional data – sent under "customerData" xml block – one block per transaction (this data is optional).
routeCode	String(1-256)		This feature is available only when merchant terminals are configured to support terminal routing featuer. A custom Identifier for routing transactions from CG (logical) terminal to specific acquirer terminal
userData1	Alpha Numeric (1-256)	Only Alpha Numeric characters	Merchant's custom field.

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XML Field	Field Type	Value	Description
			If exists then the field will be populated also in the response xml.
userData2	Alpha Numeric (1-256)	Only Alpha Numeric characters	Merchant's custom field. If exists then the field will be populated also in the response xml.
userData3	Alpha Numeric (1-256)	Only Alpha Numeric characters	Merchant's custom field. If exists then the field will be populated also in the response xml.
userData4	Alpha Numeric (1-256)	Only Alpha Numeric characters	Merchant's custom field. If exists then the field will be populated also in the response xml.
userData5	Alpha Numeric (1-256)	Only Alpha Numeric characters	Merchant's custom field. If exists then the field will be populated also in the response xml.
userData6	Alpha Numeric (1-256)	Only Alpha Numeric characters	Merchant's custom field. If exists then the field will be populated also in the response xml.
userData7	Alpha Numeric (1-256)	Only Alpha Numeric characters	Merchant's custom field. If exists then the field will be populated also in the response xml.
userData8	Alpha Numeric (1-256)	Only Alpha Numeric characters	Merchant's custom field. If exists then the field will be populated also in the response xml.
userData9	Alpha Numeric (1-256)	Only Alpha Numeric characters	Merchant's custom field. If exists then the field will be populated also in the response xml.

XML Field	Field Type	Value	Description
userData10	Alpha Numeric (1-256)	Only Alpha Numeric characters	Merchant's custom field. If exists then the field will be populated also in the response xml.
ashraitEmvData			Merchant additional details that are required by credit companies when using ashrait EMV protocol.
paymentsIndexType	Enum	ILSbyIndex ILSbyUSD	Used when linking the total amount of the transaction to ILS Index or USD currency
offerCode	Numeric(2)	A two-digit numeric value as agreed between the merchant and the acquirer	An offer code "KOD MIVTZA" as agreed between the merchant and the acquirer. Also requires pre setup configuration on SHVA Terminal.
deferMonths	Numeric(2)	A two-digit numeric value (01-12) Example: 03	An option to defer the transaction billing of the card holder by defer months (01-12 months) as agreed between the card holder and the merchant. Usage of this feature requires pre setup configuration on SHVA Terminal.
dueDate	Numeric(6)	A Day in month in format: yymmdd Example: 201030	An option to bill the card holder on a specific day in the month as agreed between the card holder and the merchant. The due date value must be in the range of maximum one year from the transaction date. Usage of this feature requires pre setup configuration on SHVA Terminal.
ipayCode	Enum	Possible values: Currency Stars Points Club	Payment type code. This field is usually used when sending transaction type = "BalanceEnquiry" to check the card balance for the specific payment type.

Please note:

- All tags are case sensitive.
- Payment amounts can be sent in various currencies.

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- If the merchant wants to settle a previous authorized transaction ("verify" J5 authorization), typically known as a two phase sale, it must be resend the request with validation **AutoComm** and the cgUid tag set with the value returned in the initial authorization response ("verify" J5 response).
- Telephone approved transactions (receiving an authorization number from acquirer or credit company) should be sent with the "authNumber" populated and the "cgUid" value of the original rejected transaction.
- When using credit type: "payments", use the following format for the values in XML tags: total, first, periodical, number.
  total = firstPayment + (number of payments x periodical payments)
- If **cardNo** is used **cardExpiration** becomes mandat
- The tags: **total**, **firstPayment** and **periodicalPayment** indicate the value of the total in cents. For example, for the sum of 1.00, enter 100.
- The tags: **cgUid** and **authNumber** typically will contain values of what is received in the response of prior transactions.
- The tags under **customerData** block (userData1…userdata10) can be displayed on CG-Console according to initial merchant configuration.
- **3DSecure Data population**
  - **ECI (eci)– eCommerce indicator**
    - The "eci" tag is part of the CG Gateway XML API.
    - E-commerce merchants must fill the eci tag with the appropriate value.
    - Possible values:
      - 5 – Full VbV/secureCode
      - 6 – Cardholder not enrolled / Proof of attempt.
      - 7 – Secure eCommerce.
    - The default value will be set to 7 – secure e-commerce.
    - If the merchant is using a 3DSecure MPI then the 3DS outcome eci value should be sent in the authorization (J5) / settle (J4) requests to CG-Gateway along with the xid and cavv values as described below.
  - **XID (xid)**
    - Transaction identifier resulting from 3DSecure authentication process obtained from a 3DS MPI provider.
    - The merchant should send the value in the authorization (J5) / settle (J4) requests to CG-Gateway.
  - **CAVV/UCAF (cavv)**

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- This tag value holds the Visa CAVV or Mastercard UCAF value obtained from a 3DSecure MPI during the 3DSecure process.
- The merchant should send the value in the authorization (J5) / settle (J4) requests to CG-Gateway.

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doDeal Response Tags

- The following table presents the doDeal response's XML field tags

XML Field	Field Type	Value (Code)	Description
status	Numeric (3-5)	For the full list of the "status" codes please refer to CG-Console ("About"->"error Codes" screen).	Response result code. successful transactions are marked with 000 For backward considerations, Ashrait EMV error codes are mapped to 3-digit unified "status" codes along with a unified "statusText". Thus the "extendedStatus" tag as below along with "extendedStatusText" & "extendedUserMessage" tags contain a more specific "status" code and detailed status message text of the transaction.
statusText	String		Response text message. The text message will return according to the request "language" (ENG | HEB)
extendedStatus	Numeric(4-5)	For the full list of the "extendedStatus" codes please refer to CG-Console ("About"->"error Codes" screen).	Extended status code In Ahsrait EMV the "status" code tag as above will contain a 3-digit unified code, and the "extendedStatus" code will contain a 4-5 digit specific status code. Note: The "extendedStatus" may return with an empty value as not all "status" codes have an "extendedStatus".
extendedStatusText	String		Extended text message of the "extendedStatus" code The text message will return according to the request "language" (ENG | HEB) Note: This tag is populated in the response only when "extendedStatus" is populated with a value.

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XML Field	Field Type	Value (Code)	Description
extendedUserMessage	String		Extended text message of the "extendedStatus" code for a non-technical user The text message will return according to the request "language" (ENG | HEB) Note: This tag is populated in the response only when "extendedStatus" is populated with a value.
authSource	Enum	None Shva (1) Credit Company (2) VoiceMail (3)	The source of the authorization number.
cardAcquirer	Enum	Isracard (1) Visa (2) Alphacard (6) MultiPass(11)	The card acquirer. סולק
cardBrand	Enum	PrivateLabel (0) Mastercard (1) Visa (2) Maestro (3) Amex (4) Isracard (5) JCB (6) Discover (7) Diners (8)	The card's brand. amex and diners cards are also considered as private label. מותג
cardId	Numeric(16) or Numeric(36)		The card identifier. The cardId is provided to customers that have purchased the Card ID module. cardId is returned when a card number transaction is performed and the Card ID module is present and configured to produce card id's

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XML Field	Field Type	Value (Code)	Description
creditCompany	Enum	Foreign (0) Isracard (1) Visa (2) Alphacard (6) MultiPass (11)	The credit card company that issued the credit card. The field value indicates the card issuer. Note: The below values are deprecated in ashrait EMV (they appear as values in “cardBrand” XML field): Diners(3) Amex(4) Jcb(5)
cvvStatus	Enum	Absent (0) Valid (1) Invalid (2) NotValidated (3)	Informative field only. The status of the CVV. Valid only if the terminal is configured to check CVV.
idStatus	Enum	Absent (0) Valid (1) Invalid (2) NotValidated (3)	Informative field only. The status of card owner’s Israeli ID number (only for Israeli card transaction code). Valid only if the terminal is configured to check id.
cardNo	Numeric (8-19)		The number of the credit card returned as sent in the request
total	Numeric (1-8)		Returned as sent in the request
transactionType	Enum	Blocked (00) RegularDebit (01) AuthDebit (02) ForcedDebit(03)	Card holder is charged.
		RegularCredit (51) Refund(52) AuthCredit(53)	Card holder is credited.
		Reversal(58)	Card holder Obligo is cancelled
creditType	Enum	Returned as sent in the request. AdHock (3) is returned when the card type is "Hiyuv Miyadi"	
currency	Enum	Returned as sent in the request.	
transactionCode	Enum	Returned as sent in the request.	

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XML Field	Field Type	Value (Code)	Description
authNumber	AlphaNumeric (3-7)		Returned when a transaction is authorized. Legal characters for authorization number are: 0-9 A-Z (Upper Case only)
firstPayment	Numeric (0-20)		Returned as sent in the request.
periodicalPayment	Numeric (0-20)		Returned as sent in the request.
numberOfPayments	Numeric (0-20)		Returned as sent in the request.
slaveTerminalSequence slaveTerminalNumber	Numeric(1-3) Numeric(1-3)		Sudar in Shva. Kupa in Shva. The two tags together with fileNumber are the Shovar number in the acquirer system, a unique number that identifies the transaction in the acquirer system.
validation Enum		Returned as sent in the request along with the value (code) also referenced as "J Code".	
cardExpiration	Date (4)		Returned as sent in the request.
user	String (1-19)		Returned as sent in the request.
addonData	Numeric (2-8)		Returned as sent in the request.

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XML Field	Field Type	Value (Code)	Description
cavv	Enum	A field for merchants that use the 3DSecure service. cavv response code is returned when transaction is sent for authorization (Visa card brand only) The following are the possible values and "code" values: AuthenticationInvalid (0) FailedValidationAuthentication (1) PassedValidationAuthentication (2) PassedValidationAttempt (3) FailedValidationAttempt (4) NotUsed (5) NotValidated (6) FailedValidationAttemptByVisa (7) PassedValidationAttemptByVisa (8) FailedValidationAttemptAcsUnavailable (9) PassedValidationAttemptAcsUnavailable (A) PassedValidationInformationOnly (B) NotValidatedAttempt (C) NotValidatedAuthentication (D)	
eci	Numeric (1)		A field for merchants that use the 3DSecure service E-Commerce indicator (as obtained from 3DS MPI
xid	String(48)		A field for merchants that use the 3DSecure service. xid string obtained from 3DS MPI
cardType	Enum	Local (00) Foreign (99) Fuel (03) Debit (01) Rechargable (06) Dually (04) Dalkan (08) Club (70) FuelClub (73) DuallyClub (74) RechargeClub (76)	Extended Indication for the credit card identification
cardName	String		Card name. Will be empty when working with English protocol.
cardBin	Numeric(2-6)		Credit card bin number (6 or 2 digits of the card prefix.
cardMask	String		Card masked number (i.e 123456XXXX1234).

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XML Field	Field Type	Value (Code)	Description
cardLength	Numeric(2)		The Card number length
fileNumber	Numeric(2)		The next tentative transmit file numerator
supplierNumber	Numeric(7)		Supplier number (MID)
extendedCardType	String(1-100)	Can have empty value	This feature is available only when installed. Custom card type that can be determined by a merchant's BIN range linkage table.
lifeStyle	Numeric(1)	Can have empty value	This feature is available only when installed. Value of 1 identify a "lifestyle" sub-brand
customCardType	String(1-100)	Can have empty value	This feature is available only when installed. Custom card type that can be determined by a merchant's BIN range linkage table
shiftId1	AlphaNumeric(1-32)	Can have empty value	Shift identifier that can be associated with the transaction. Used for grouping transactions with one single identifier. For more details please advise the "Shift Based Transmit" API document.
shiftId2	AlphaNumeric(1-32)	Can have empty value	Shift identifier that can be associated with the transaction. Used for grouping transactions with one single identifier. For more details please advise the "Shift Based Transmit" API document.
shiftId3	AlphaNumeric(1-32)	Can have empty value	Shift identifier that can be associated with the transaction. Used for grouping transactions with one single identifier. For more details please advise the "Shift Based Transmit" API document.

XML Field	Field Type	Value (Code)	Description
shiftTxnDate	Date & time	Can have empty value Requested date and time. YYYY-MM-DD hh:mm:ss	Current shift date that can be associated with the transaction. For more details please advise the "Shift Based Transmit" API document.
routeCode	AlphaNumeric (1-32)	Can have empty value	This feature is available only when installed. A custom Identifier for route transactions from CG (logic) terminal to "real"/acquire terminal
customerData			Returned as sent in the request.
acqirerData			
acquirerResponseId	AlphaNumeric(12)		RRN identifier returned by the authorizing party (when the transaction was sent out to SHVA for approval).
ashraitEmvData			
authCodeAcquirer	Enum	NoAuthNumber (0) AcquirerAuthorized (1) AquirerDeclined (2) ShvaAuthorized (3) ShvaDeclined (4) VoiceAuthorized (5) VoiceDeclined (6) AuthorizedOffline (7)	
authCodeCreditCompany	Enum	NoAuthNumber (0) CreditCompanyAuthorized (1) CreditCompanyDeclined (2) ShvaAuthorized (3) ShvaDeclined (4) VoiceAuthorized (5) voiceDeclined (6) CreditCompanyPreAuthorized (7) AuthorizedSmartCard (8)	

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XML Field	Field Type	Value (Code)	Description
authNoAcquirer	Alphanumeric (7)		In specific situations such as transactions of foreign credit cards , the response might contain both an acquirer auth. number along with the auth. number (credit company auth. number).
informativeTranCode	Enum	SmartCardRejected (1) CardInNeg (2) AuthNoRejected (3)	
cvvFlag	Numeric(1)	Can have empty value	Informative field only. 0 = cvv was not entered 1 = cvv was entered
idFlag	Numeric(1)	Can have empty value	Informative field regarding the “id” field (Israeli ID number of card owner) 0 = id was not entered 1 = id was entered
uid	Numeric(23)	Example: 20110310360108828046560 Value structure: Position 1-12: Transaction date in format: yymmddhhmmss Position 13-19: the first 7 digits of the terminal number. Position 20-22: unique 3 digits. Position 23: A check digit	SHVA identifier of the transaction. In some cases, requests relating the same financial transaction will share the same SHVA uid value. For example, in a two-phase sale, J5 followed by J4, the requests will share the same uid value.
dspBalance	Alphanumeric (35)	100.00 סכום יתרת הכרטיס	This field is returned when sending transaction type = BalanceEnquiry. The card balance as returned by the credit company. The balance is returned according to the “ipayCode” value as sent in the request (without any conversions).

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XML Field	Field Type	Value (Code)	Description
ashReasonText	Alphanumeric (256)	Value may contain a list with one or more of the following: BAKASHA_YEZUMA DRISHAT_KARTIS_CHACHAM KARTIS_HASUM KOD_SHERUT KOD_BIZUA_DCODE REQUEST_DCC_OFFER TIKRA RANDOM SUG_ISKA SUG_ASHRAY EXPIRATION_DATE TEUDAT_ZEHUT_SHGUYA SCHUM_ISKAOT_MIZTABER HAAVARA_MAGNETIT_KARTIS_CHACHAM BITUL_BAKASHA_LEISHUR_LELO_ISKA IMUT_MISPAR_ISHUR_SHEHUKLAD ISKA_FROM_MOBILE_PHONE BAKASHA_LEISHUR_LELO_ISKA SUG_KARTIS_NOT_IN_VECTOR KARTIS_NITAN STOP_ACTIVITY TASHLUM_TORAN_MEAL_TIKRA ITCHUL_HORAAT_KEVA KARTIS_MICHUTZ_LATCHUM TIMEOUT DRISHAT_MANPIK TRACK2_LENGTH_LESS_THAN_37_IN_MAGNETIC_TRAN SUG_MATBEA SUG_KARTIS_HASER_BEKOVETZ_TKEFIM KABALAT_MEIDA ISKA_CHACHAMA_NIDCHATA_ONLINE OBLIGO_UPDATE TNAEY_TASHLUM ASHRAIT_DACHATA_ISHUR_MANPIK ISKA_IM_HATAVA PP_ERROR_DURING_ISKA KARTIS_DACHA_ISHUR_MANPIK SMARTCARD_TAKEN_OUT_OR_PINPAD_DISCONTINUED_TRAN NETEK_BATIKSHORET UNIDENTIFIED_PREFIX CONTACTLESS_DEMAND	The reason for sending the transaction to SHVA for authorization A transaction may have one or more reasons for authorization.

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manufId	AlphaNumeric(3)	Example: CGD	The manufacturer identifier (SHVA YATZRAN) CreditGuard manufId is CGD. When processing transactions via a "pinpad" this value may contain the pinpad manufId
manufUse	AlphaNumeric(6)	Example: 001101	The manufacturer (SHVA YATZRAN) software version
ashVersion	AlphaNumeric(1)	Possible values: w-windows l-dll i-web service (SAAS) a-android x-linux o-IOS u-Unix t- Proprietary	Ashrait operation system type
deviceStatus	Numeric(10)	Example: 1111000000 Each of the 10 digits can contain 0 or 1: 0 = NOT OK, 1 = OK 1st digit: Magnetic Reader 2nd digit: Contact EMV 3rd digit: Contactless Magnetic 4th digit: Contactless EMV 5th digit – 10th digit: Future Use.	The pinpad Status Relevant for Card Present transactions only
emvResponseCode	AlphaNumeric (2)	Example: 00 - success 04 - declined	Relevant **only** for Card Present transactions processed via EMV reader The authorization response code as returned from the card issuer (known as "F39 response" in SHVA)

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Examples

doDeal (Transaction Request)

Request structure

```
<ashrait>
     <request>
           <command>doDeal</command>
           <requestId/>
           <dateTime/>
           <version>2000</version>
           <language> Heb|Eng </language>
           <mayBeDuplicate>0|1</mayBeDuplicate>
           <doDeal>
                 <terminalNumber/>
                 <track2/>
                 <cardNo/>
                 <cardId/>
                 <last4D/>
                 <cardExpiration/>
                 <cvv/>
                 <id/>
                 <transactionType/>
                 <creditType/>
                 <currency/>
                 <transactionCode/>
                 <total/>
                 <authNumber/>
                 <firstPayment/>
                 <periodicalPayment/>
                 <numberOfPayments/>
                 <validation/>
                 <dealerNumber/>
                 <mainTerminalNumber/>
                 <slaveTerminalNumber/>
                 <eci/>
                 <cavv/>
                 <xid/>
                 <user/>
                 <customerData/>
                 <acquirerData/>
                 <ashraitEmvData/>
           </doDeal>
     </request>
</ashrait>
```

- **Please note:** Additional XML fields may be added according to specific customer needs. Such fields might reside under the main <doDeal> tag or they might reside under the following parent tags: <customerData> ,<acquirerData> , <ashraitEmvData>

Response Structure

```
<ashrait>
```


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```
<response>
   <command>doDeal</command>
   <dateTime></dateTime>
   <requestId></requestId>
   <tranId></tranId>
   <result></result>
   <message></message>
   <userMessage></userMessage>
   <additionalInfo></additionalInfo>
   <version>2000</version>
   <language></language>
   <doDeal>
      <status></status>
      <statusText></statusText>
      <terminalNumber></terminalNumber>
      <cardId></cardId>
      <cardBin></cardBin>
      <cardMask></cardMask>
      <cardLength></cardLength>
      <cardNo></cardNo>
      <cardName></cardName>
      <cardExpiration></cardExpiration>
      <cardType code=""></cardType>
      <creditCompany code=""></creditCompany>
      <cardBrand code=""></cardBrand>
      <cardAcquirer code=""></cardAcquirer>
      <serviceCode />
      <transactionType code=""></transactionType>
      <creditType code=""></creditType>
      <currency code=""></currency>
      <baseCurrency />
      <baseAmount />
      <transactionCode code=""></transactionCode>
      <total></total>
      <firstPayment />
      <periodicalPayment />
      <numberOfPayments />
      <validation code=""></validation>
      <idStatus code="" />
      <cvvStatus code="" />
      <authSource code="" />
      <authNumber />
      <fileNumber></fileNumber>
      <slaveTerminalNumber></slaveTerminalNumber>
      <slaveTerminalSequence></slaveTerminalSequence>
      <eci />
      <clientIp></clientIp>
      <email />
      <cavvStatus code="" />
      <user />
      <addonData />
      <supplierNumber />
      <id />
      <shiftId1 />
      <shiftId2 />
      <shiftId3 />
      <shiftTxnDate />
      <cgUid></cgUid>
      <digitalWalletData />
      <acquirerData>
         <gateway></gateway>
```

```
            <acquirerTranType></acquirerTranType>
         </acquirerData>
         <ashraitEmvData>
            <uid></uid>
            <idFlag></idFlag>
            <manufId></manufId>
            <catLevel></catLevel>
            <cvvFlag></cvvFlag>
            <manufUse></manufUse>
            <ashVersion></ashVersion>
            <ashTermType></ashTermType>
            <deviceStatus></deviceStatus>
            <telAuthAbility></telAuthAbility>
            <isDoReverseDeal></isDoReverseDeal>
         </ashraitEmvData>
      </doDeal>
   </response>
</ashrait>
```

Please note:

- From time to time CG Gateway's XML API might change, in a way that additional tags will be added to the protocol for supporting additional functionality. In such a scenario additional tags will be added to the response XML even for unchanged requests. It is the merchant responsibility to parse the returned XML in such a manner that additional tags will be ignored, and only relevant data will be extracted from the CG Gateway response XML.
- In Addition, for supporting additional functionality on CG-Gateway, additional “status” codes and “extendedStatus” codes may be added from time to time. For the updated and full list of these codes please refer to CG-Console (“About”->”error Codes” screen).

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Combined Authorization and Capture Request

- The following example shows a combined authorization and capture request for debiting the credit card holder account.
- Thus, the validation is sent with the "AutoComm" (J4) value.
- This type of transaction is also known as a one phase transaction.
- The total amount in the following example is set to 1.00 ILS.
- Please note the authNumber is empty in the following response as the transaction was approved locally on CG-Gateway without being sent out to SHVA (amount of transaction is within terminal limit for local approval).

Request

```
<ashrait>
   <request>
      <version>2000</version>
      <language>ENG</language>
      <dateTime>2018-02-01 10:14:27</dateTime>
      <command>doDeal</command>
      <requestId>1517472867-17050</requestId>
      <doDeal>
         <terminalNumber>0880700014</terminalNumber>
         <cardNo>XXXXXXXXXX4292</cardNo>
         <cardExpiration>0218</cardExpiration>
         <cvv>XXX</cvv>
         <total>100</total>
         <transactionType>Debit</transactionType>
         <creditType>RegularCredit</creditType>
         <currency>ILS</currency>
         <transactionCode>Phone</transactionCode>
         <validation>AutoComm</validation>
         <customerData />
      </doDeal>
   </request>
</ashrait>
```

Response

```
<ashrait>
  <response>
    <command>doDeal</command>
    <dateTime>2018-02-01 10:32</dateTime>
    <requestId>1517472867-17050</requestId>
    <tranId>26975119</tranId>
    <result>000</result>
    <message>Permitted transaction.</message>
    <userMessage>Permitted transaction.</userMessage>
    <additionalInfo>Host Result 00-SUCCESS </additionalInfo>
    <version>2000</version>
    <language>Eng</language>
    <doDeal>
      <status>000</status>
      <statusText>Permitted transaction.</statusText>
      <terminalNumber>088xxxxxxx</terminalNumber>
      <cardId>1081050459754292</cardId>
      <cardBin>458028</cardBin>
```


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```
      <cardMask>458028******4292</cardMask>
      <cardLength>16</cardLength>
      <cardNo>xxxxxxxxxxxx4292</cardNo>
      <cardName></cardName>
      <cardExpiration>0218</cardExpiration>
      <cardType code="00">Local</cardType>
      <creditCompany code="2">Visa</creditCompany>
      <cardBrand code="2">Visa</cardBrand>
      <cardAcquirer code="6">Alphacard</cardAcquirer>
      <serviceCode />
      <transactionType code="01">RegularDebit</transactionType>
      <creditType code="1">RegularCredit</creditType>
      <currency code="1">ILS</currency>
      <baseCurrency />
      <baseAmount />
      <transactionCode code="50">Phone</transactionCode>
      <total>100</total>
      <firstPayment />
      <periodicalPayment />
      <numberOfPayments />
      <clubId />
      <validation code="4">AutoComm</validation>
      <idStatus code="" />
      <cvvStatus code="" />
      <authSource code="" />
      <authNumber />
      <fileNumber>06</fileNumber>
      <slaveTerminalNumber>001</slaveTerminalNumber>
      <slaveTerminalSequence>026</slaveTerminalSequence>
      <eci />
      <clientIp />
      <email />
      <cavvStatus code="" />
      <user />
      <addonData />
      <supplierNumber />
      <id />
      <shiftId1 />
      <shiftId2 />
      <shiftId3 />
      <shiftTxnDate />
      <cgUid>26975119</cgUid>
      <digitalWalletData />
      <acquirerData>
        <gateway>AshraitEmv</gateway>
        <acquirerTranType>01</acquirerTranType>
      </acquirerData>
      <ashraitEmvData>
        <uid>18020110324008807001197</uid>
        <idFlag>0</idFlag>
        <manufId>CGD</manufId>
        <catLevel>0</catLevel>
        <cvvFlag>1</cvvFlag>
        <manufUse>321002</manufUse>
        <ashVersion>i</ashVersion>
        <ashTermType>0</ashTermType>
        <deviceStatus>1111000000</deviceStatus>
        <telAuthAbility>1</telAuthAbility>
        <isDoReverseDeal>0</isDoReverseDeal>
      </ashraitEmvData>
    </doDeal>
```


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```
  </response>
</ashrait>
```


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Authorization Request Only

Request

- The following example shows an authorization only request.
- The validation is sent with the "Verify" (J5) value.
- In this scenario, a subsequent "Capture" request (validation set to "AutoComm" J4) should be sent in order to complete the transaction (as explained below).
- This type of transaction is also known as a two phase transaction.
- The total amount in the following example is set to 5.00 ILS.
- When sending a "Verify" (J5) request, the transaction will always be sent out to SHVA for authorization.
- Thus, a successful response will contain an authorization number in the "authNumber" tag.
- In some cases where both the acquirer and the issuer have approved the transaction, the response will contain a second authorization number in the "authNoAcquirer" tag (under the "ashraitEmvData" block). This is usually the scenario when sending a transaction with a foreign card number.

```
<ashrait>
   <request>
      <version>2000</version>
      <language>ENG</language>
      <dateTime>2018-02-01 10:14:27</dateTime>
      <command>doDeal</command>
      <requestId>1517472867-17050</requestId>
      <doDeal>
         <terminalNumber>088XXXXXXX</terminalNumber>
         <cardNo>XXXXXXXXXX4812</cardNo>
         <cardExpiration>0218</cardExpiration>
         <cvv>XXX</cvv>
         <total>500</total>
         <transactionType>Debit</transactionType>
         <creditType>RegularCredit</creditType>
         <currency>ILS</currency>
         <transactionCode>Phone</transactionCode>
         <validation>Verify</validation>
         <customerData />
      </doDeal>
   </request>
</ashrait>
```

Response

```
<ashrait>
  <response>
    <command>doDeal</command>
    <dateTime>2018-02-01 12:40</dateTime>
    <requestId>1517472867-17050</requestId>
    <tranId>26975253</tranId>
    <result>000</result>
    <message>Permitted transaction.</message>
    <userMessage>Permitted transaction.</userMessage>
```

```
<additionalInfo>Host Result 00-SUCCESS </additionalInfo>
<version>2000</version>
<language>Eng</language>
<doDeal>
  <status>000</status>
  <statusText>Permitted transaction.</statusText>
  <terminalNumber>088xxxxxxx</terminalNumber>
  <cardId>1095205403024812</cardId>
  <cardBin>455744</cardBin>
  <cardMask>455744******4812</cardMask>
  <cardLength>16</cardLength>
  <cardNo>xxxxxxxxxxxx4812</cardNo>
  <cardName>ויזה זהב</cardName>
  <cardExpiration>0218</cardExpiration>
  <cardType code="00">Local</cardType>
  <creditCompany code="1">Isracard</creditCompany>
  <cardBrand code="2">Visa</cardBrand>
  <cardAcquirer code="6">Alphacard</cardAcquirer>
  <serviceCode />
  <transactionType code="01">RegularDebit</transactionType>
  <creditType code="1">RegularCredit</creditType>
  <currency code="1">ILS</currency>
  <baseCurrency />
  <baseAmount />
  <transactionCode code="50">Phone</transactionCode>
  <total>500</total>
  <firstPayment />
  <periodicalPayment />
  <numberOfPayments />
  <clubId />
  <validation code="5">Verify</validation>
  <idStatus code="0">Absent</idStatus>
  <cvvStatus code="1">Valid</cvvStatus>
  <authSource code="" />
  <authNumber>0630719</authNumber>
  <fileNumber />
  <slaveTerminalNumber />
  <slaveTerminalSequence />
  <eci />
  <clientIp />
  <email />
  <cavvStatus code="" />
  <user />
  <addonData />
  <supplierNumber>0300012</supplierNumber>
  <id />
  <shiftId1 />
  <shiftId2 />
  <shiftId3 />
  <shiftTxnDate />
  <cgUid>26975253</cgUid>
  <digitalWalletData />
  <acquirerData>
    <gateway>AshraitEmv</gateway>
    <acquirerTranType>01</acquirerTranType>
    <acquirerResponseId>803212630719</acquirerResponseId>
    <avsResponse code="0">Absent</avsResponse>
  </acquirerData>
  <ashraitEmvData>
    <uid>18020112403008807002533</uid>
```


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```
        <authCodeCreditCompany
code="1">CreditCompanyAuthorized</authCodeCreditCompany>
        <manufId>CGD</manufId>
        <manufUse>321002</manufUse>
        <ashVersion>i</ashVersion>
        <emvResponseCode>00</emvResponseCode>
        <deviceStatus>1111000000</deviceStatus>
        <ashReasonText>BAKASHA_LEISHUR_LELO_ISKA</ashReasonText>
        <authCodeAcquirer code="0">NoAuthNumber</authCodeAcquirer>
        <isDoReverseDeal>0</isDoReverseDeal>
      </ashraitEmvData>
    </doDeal>
  </response>
</ashrait>
```


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Capture Request (two phase transaction)

Request

- The "cgUid" tag should be populated when sending a "AutoComm" validation (capture J4) of a previous "Verify" J5 authorized transaction.
- Thus, it is best practice to send cgUid identifier in a two phase sale in order to identify the initial authorization.
- The example below assumes that the cgUid identifier returned in the authorization response was "26975253", therefore the capture request contains the cgUid tag populated with the same value:
    - < cgUid>26975253</cgUid>
- The capture request can be made with a total amount that is less or equal to the previous authorized amount.
- The capture request does **not** have to contain the "cvv" tag populated (cvv is only needed in the initial authorization request when terminal requires cvv according to SHVA terminal configuration).
- The capture response, as shown below, will contain the same "cgUid" identifier as the initial authorization response, thus both requests share the same identifier indicating they both belong to the same "financial transaction process".
- **Please note**: it is best practice for the merchant to save the "cgUid" identifier related to the transaction in addition to the two phase transaction purpose described in this section as this identifier can then be used in various API requests such as: "cancelDeal" / "refundDeal" / "inquireTransacitons" (described in separate API docs).

```
<ashrait>
   <request>
      <version>2000</version>
      <language>ENG</language>
      <dateTime>2018-02-01 10:14:27</dateTime>
      <command>doDeal</command>
      <requestId>1517472867-17050</requestId>
      <doDeal>
         <terminalNumber>088XXXXXXX</terminalNumber>
         <cardNo>XXXXXXXXXX4812</cardNo>
         <cardExpiration>0218</cardExpiration>
         <cvv>XXX</cvv>
         <total>500</total>
         <transactionType>Debit</transactionType>
         <creditType>RegularCredit</creditType>
         <currency>ILS</currency>
         <transactionCode>Phone</transactionCode>
         <validation>AutoComm</validation>
         <cgUid>26975253</cgUid>
         <customerData />
      </doDeal>
   </request>
</ashrait>
```


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Response

```
<ashrait>
<ashrait>
  <response>
    <command>doDeal</command>
    <dateTime>2018-02-01 14:23</dateTime>
    <requestId>1517472867-17050</requestId>
    <tranId>26975356</tranId>
    <result>000</result>
    <message>Permitted transaction.</message>
    <userMessage>Permitted transaction.</userMessage>
    <additionalInfo>Host Result 00-SUCCESS </additionalInfo>
    <version>2000</version>
    <language>Eng</language>
    <doDeal>
      <status>000</status>
      <statusText>Permitted transaction.</statusText>
      <terminalNumber>088xxxxxxx</terminalNumber>
      <cardId>1095205403024812</cardId>
      <cardBin>455744</cardBin>
      <cardMask>455744******4812</cardMask>
      <cardLength>16</cardLength>
      <cardNo>xxxxxxxxxxxx4812</cardNo>
      <cardName>ויזה זהב</cardName>
      <cardExpiration>0218</cardExpiration>
      <cardType code="00">Local</cardType>
      <creditCompany code="1">Isracard</creditCompany>
      <cardBrand code="2">Visa</cardBrand>
      <cardAcquirer code="6">Alphacard</cardAcquirer>
      <serviceCode />
      <transactionType code="01">RegularDebit</transactionType>
      <creditType code="1">RegularCredit</creditType>
      <currency code="1">ILS</currency>
      <baseCurrency />
      <baseAmount />
      <transactionCode code="50">Phone</transactionCode>
      <total>500</total>
      <firstPayment />
      <periodicalPayment />
      <numberOfPayments />
      <clubId />
      <validation code="4">AutoComm</validation>
      <idStatus code="" />
      <cvvStatus code="" />
      <authSource code="" />
      <authNumber>0630719</authNumber>
      <fileNumber>07</fileNumber>
      <slaveTerminalNumber>001</slaveTerminalNumber>
      <slaveTerminalSequence>028</slaveTerminalSequence>
      <eci />
      <clientIp />
      <email />
      <cavvStatus code="" />
      <user />
      <addonData />
      <supplierNumber />
      <id />
      <shiftId1 />
      <shiftId2 />
      <shiftId3 />
```


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```
      <shiftTxnDate />
      <cgUid>26975253</cgUid>
      <digitalWalletData />
      <acquirerData>
        <gateway>AshraitEmv</gateway>
        <acquirerResponseId>803212630719</acquirerResponseId>
        <acquirerTranType>01</acquirerTranType>
      </acquirerData>
      <ashraitEmvData>
        <orgUid>18020112403008807002533</orgUid>
        <orgAuthCodeCreditCompany>1</orgAuthCodeCreditCompany>
        <orgAuthCodeAcquirer>0</orgAuthCodeAcquirer>
        <orgAuthNo>0630719</orgAuthNo>
        <orgAuthAmount>500</orgAuthAmount>
        <orgTranDate>0201</orgTranDate>
        <orgAmount>500</orgAmount>
        <orgTranTime>124030</orgTranTime>
        <authCodeCreditCompany
code="7">AuthorizedOffline</authCodeCreditCompany>
        <uid>18020112403008807002533</uid>
        <idFlag>0</idFlag>
        <manufId>CGD</manufId>
        <catLevel>0</catLevel>
        <cvvFlag>0</cvvFlag>
        <manufUse>321002</manufUse>
        <ashVersion>i</ashVersion>
        <ashTermType>0</ashTermType>
        <deviceStatus>1111000000</deviceStatus>
        <authCodeAcquirer code="0">NoAuthNumber</authCodeAcquirer>
        <telAuthAbility>2</telAuthAbility>
        <isDoReverseDeal>0</isDoReverseDeal>
      </ashraitEmvData>
    </doDeal>
  </response>
</ashrait>
```

Please Note the following for backward compatibility:

- In order to support backward compatibility, a capture request in a two phase sale may also be sent with the authorization number ("authNumber" tag populated) as received from a prior authorization response.
- The example below assumes that the authorization number received was "0630719" and thus, the following request, includes the "authNumber" tag populated:
    - <authNumber>0630719</authNumber>, is sent.

```
<ashrait>
   <request>
      <version>2000</version>
      <language>ENG</language>
      <dateTime>2018-02-01 10:14:27</dateTime>
      <command>doDeal</command>
      <requestId>1517472867-17050</requestId>
      <doDeal>
         <terminalNumber>088XXXXXXX</terminalNumber>
         <cardNo>XXXXXXXXXX4812</cardNo>
         <cardExpiration>0218</cardExpiration>
         <cvv>XXX</cvv>
```


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```
         <total>500</total>
         <transactionType>Debit</transactionType>
         <creditType>RegularCredit</creditType>
         <currency>ILS</currency>
         <transactionCode>Phone</transactionCode>
         <validation>AutoComm</validation>
      <authNumber>0630719</authNumber>
         <customerData />
      </doDeal>
   </request>
</ashrait>
```


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cardId Request (Transaction using card Token)

Request

- The following example shows a combined authorization and capture request (one phase transaction) that was sent with the "cardId" tag populated.
- This option is only valid when the CardId Tokenization module is enabled.
- Please note that CreditGuard's **cardId (token) replaces only the credit card number**, card expiration and additional details should be sent as if it was a standard credit card transaction.

```
<ashrait>
   <request>
      <version>2000</version>
      <language>ENG</language>
      <dateTime>2018-02-01 10:14:27</dateTime>
      <command>doDeal</command>
      <requestId>1517472867-17050</requestId>
      <doDeal>
         <terminalNumber>088XXXXXXX</terminalNumber>
         <cardId>1095205403024812</cardId>
         <cardExpiration>0218</cardExpiration>
         <total>100</total>
         <transactionType>Debit</transactionType>
         <creditType>RegularCredit</creditType>
         <currency>ILS</currency>
         <transactionCode>Phone</transactionCode>
         <validation>AutoComm</validation>
         <customerData />
      </doDeal>
   </request>
</ashrait>
```

Response

```
<ashrait>
  <response>
    <command>doDeal</command>
    <dateTime>2018-02-01 14:39</dateTime>
    <requestId>1517472867-17050</requestId>
    <tranId>26975383</tranId>
    <result>000</result>
    <message>Permitted transaction.</message>
    <userMessage>Permitted transaction.</userMessage>
    <additionalInfo>Host Result 00-SUCCESS </additionalInfo>
    <version>2000</version>
    <language>Eng</language>
    <doDeal>
      <status>000</status>
      <statusText>Permitted transaction.</statusText>
      <terminalNumber>0880370011</terminalNumber>
      <cardId>1095205403024812</cardId>
      <cardBin>455744</cardBin>
      <cardMask>455744******4812</cardMask>
      <cardLength>16</cardLength>
      <cardNo>xxxxxxxxxxxx4812</cardNo>
      <cardName />
      <cardExpiration>0218</cardExpiration>
      <cardType code="00">Local</cardType>
```


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```
      <creditCompany code="1">Isracard</creditCompany>
      <cardBrand code="2">Visa</cardBrand>
      <cardAcquirer code="2">Visa</cardAcquirer>
      <serviceCode />
      <transactionType code="01">RegularDebit</transactionType>
      <creditType code="1">RegularCredit</creditType>
      <currency code="1">ILS</currency>
      <baseCurrency />
      <baseAmount />
      <transactionCode code="50">Phone</transactionCode>
      <total>100</total>
      <firstPayment />
      <periodicalPayment />
      <numberOfPayments />
      <clubId />
      <validation code="4">AutoComm</validation>
      <idStatus code="" />
      <cvvStatus code="0">Absent</cvvStatus>
      <authSource code="" />
      <authNumber>0631206</authNumber>
      <fileNumber>09</fileNumber>
      <slaveTerminalNumber>001</slaveTerminalNumber>
      <slaveTerminalSequence>006</slaveTerminalSequence>
      <eci />
      <clientIp />
      <email />
      <cavvStatus code="" />
      <user />
      <addonData />
      <supplierNumber>7007245</supplierNumber>
      <id />
      <shiftId1 />
      <shiftId2 />
      <shiftId3 />
      <shiftTxnDate />
      <cgUid>26975383</cgUid>
      <digitalWalletData />
      <acquirerData>
        <gateway>AshraitEmv</gateway>
        <acquirerTranType>01</acquirerTranType>
        <acquirerResponseId>803214631206</acquirerResponseId>
        <avsResponse code="0">Absent</avsResponse>
      </acquirerData>
      <ashraitEmvData>
        <uid>18020114395008803703834</uid>
        <authCodeCreditCompany
code="1">CreditCompanyAuthorized</authCodeCreditCompany>
        <manufId>CGD</manufId>
        <manufUse>321002</manufUse>
        <ashVersion>i</ashVersion>
        <emvResponseCode>00</emvResponseCode>
        <deviceStatus>1000000000</deviceStatus>
        <ashReasonText>KOD_BIZUA_DCODE</ashReasonText>
        <authCodeAcquirer code="0">NoAuthNumber</authCodeAcquirer>
        <isDoReverseDeal>0</isDoReverseDeal>
      </ashraitEmvData>
    </doDeal>
  </response>
</ashrait>
```


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Merchant specific User Data

- 10 user data fields are available via the API
- All of the user data fields are alphanumeric with the length of 256 characters.
- The user data fields are wrapped by the "customer data" XML block.
- This block will be returned in the response as sent in the request.
- Thus, the user data fields can be used by the merchant to add merchant specific data to the transaction. This data can then be viewed on CG-Console (upon predefined configuration).
- The request below also includes the "user" tag populated under the main "doDeal" block.
- It is best practice to populate the "user" tag with the merchant's inquire identifier of the transaction on the merchant's system. This will allow searching a specific transaction on CG-Console by the "user" value and can also be used in various API requests such as: "cancelDeal" / "refundDeal" / "inquireTransacitons" (described in separate docs).

Request

```
<ashrait>
   <request>
      <version>2000</version>
      <language>ENG</language>
      <dateTime>2018-02-01 10:14:27</dateTime>
      <command>doDeal</command>
      <requestId>1517472867-17050</requestId>
      <doDeal>
         <terminalNumber>0880700014</terminalNumber>
         <cardNo>XXXXXXXXXX4292</cardNo>
         <cardExpiration>0218</cardExpiration>
         <cvv>XXX</cvv>
         <total>100</total>
         <transactionType>Debit</transactionType>
         <creditType>RegularCredit</creditType>
         <currency>ILS</currency>
         <transactionCode>Phone</transactionCode>
         <user>12345678</user>
         <validation>AutoComm</validation>
         <customerData>
           <userData1>some user data XXXX</userData1>
           <userData2>some user data XXXX</userData2>
           <userData3>some user data XXXX</userData3>
           <userData4>some user data XXXX</userData4>
           <userData5>some user data XXXX</userData5>
           <userData6>some user data XXXX</userData6>
           <userData7>some user data XXXX</userData7>
           <userData8>some user data XXXX</userData8>
           <userData9>some user data XXXX</userData9>
           <userData10>some user data XXXX</userData10>
         </customerData>
      </doDeal>
   </request>
</ashrait>
```


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Response

The response will contain the same user data fields as sent in the request.

```
<ashrait>
     <ashrait>
  <response>
    <command>doDeal</command>
    <dateTime>2018-02-01 15:04</dateTime>
    <requestId>1517472867-17050</requestId>
    <tranId>26975418</tranId>
    <result>000</result>
    <message>Permitted transaction.</message>
    <userMessage>Permitted transaction.</userMessage>
    <additionalInfo>Host Result 00-SUCCESS </additionalInfo>
    <version>2000</version>
    <language>Eng</language>
    <doDeal>
      <status>000</status>
      <statusText>Permitted transaction.</statusText>
      <terminalNumber>0880700014</terminalNumber>
      <cardId>1081050459754292</cardId>
      <cardBin>458028</cardBin>
      <cardMask>458028******4292</cardMask>
      <cardLength>16</cardLength>
      <cardNo>xxxxxxxxxxxx4292</cardNo>
      <cardName>ויזה זהב</cardName>
      <cardExpiration>0218</cardExpiration>
      <cardType code="00">Local</cardType>
      <creditCompany code="2">Visa</creditCompany>
      <cardBrand code="2">Visa</cardBrand>
      <cardAcquirer code="6">Alphacard</cardAcquirer>
      <serviceCode />
      <transactionType code="01">RegularDebit</transactionType>
      <creditType code="1">RegularCredit</creditType>
      <currency code="1">ILS</currency>
      <baseCurrency />
      <baseAmount />
      <transactionCode code="50">Phone</transactionCode>
      <total>100</total>
      <firstPayment />
      <periodicalPayment />
      <numberOfPayments />
      <clubId />
      <validation code="4">AutoComm</validation>
      <idStatus code="" />
      <cvvStatus code="" />
      <authSource code="" />
      <authNumber />
      <fileNumber>07</fileNumber>
      <slaveTerminalNumber>001</slaveTerminalNumber>
      <slaveTerminalSequence>029</slaveTerminalSequence>
      <eci />
      <clientIp />
      <email />
      <cavvStatus code="" />
      <user>12345678</user>
      <addonData />
      <supplierNumber />
      <id />
      <shiftId1 />
```


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```
      <shiftId2 />
      <shiftId3 />
      <shiftTxnDate />
      <cgUid>26975418</cgUid>
      <customerData>
        <userData1>some user data XXXX</userData1>
        <userData2>some user data XXXX</userData2>
        <userData3>some user data XXXX</userData3>
        <userData4>some user data XXXX</userData4>
        <userData5>some user data XXXX</userData5>
        <userData6>some user data XXXX</userData6>
        <userData7>some user data XXXX</userData7>
        <userData8>some user data XXXX</userData8>
        <userData9>some user data XXXX</userData9>
        <userData10>some user data XXXX</userData10>
      </customerData>
      <digitalWalletData />
      <acquirerData>
        <gateway>AshraitEmv</gateway>
        <acquirerTranType>01</acquirerTranType>
      </acquirerData>
      <ashraitEmvData>
        <uid>18020115040008807004182</uid>
        <idFlag>0</idFlag>
        <manufId>CGD</manufId>
        <catLevel>0</catLevel>
        <cvvFlag>1</cvvFlag>
        <manufUse>321002</manufUse>
        <ashVersion>i</ashVersion>
        <ashTermType>0</ashTermType>
        <deviceStatus>1111000000</deviceStatus>
        <telAuthAbility>1</telAuthAbility>
        <isDoReverseDeal>0</isDoReverseDeal>
      </ashraitEmvData>
    </doDeal>
  </response>
</ashrait>
```


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Transaction Release Request

- The API allows to perform combined authorization and capture transaction which is delayed (held) by the CG-Gateway and not settled automatically.
- This is obtained by performing the doDeal request with "validation" tag value of "AutoCommHold" (J9).
- Thus, the transaction will be authorized in the same way a normal capture (J4) request is authorized, the difference is it won't be transmitted to SHVA upon approval for settlement, but rather "held" on CG-Gateway till the merchant "releases" the transaction.
- These transactions can be performed by using a card number populated in the "cardNo" tag, or by populating the "cardId" or "track2" or “cgUid” or “tranId” tags.
- The transaction can then be released for settlement by using a subsequent doDeal request with "validation" tag value of "AutoCommRelease" (J109) containing the original transaction track2, card number or cardId.
- Please note that the "cardId" value is returned in the initial "AutoCommHold" response and can then be used in the subsequent "AutoCommRelease" request.
- The original transaction is then identified by all transaction attributes and "cgUid" identifier or "user" tag
- If releasing transaction with the "user" tag. The same "user" value should be sent in both the autoCommHold transaction and autoCommRelease.
- Otherwise, when releasing a transaction with "cgUid" tag, the returned value in the "AutoCommHold" response should then be sent in the subsequent "AutoCommRelease" request.
- For backward compatibility, the original transaction can also be identified by the "tranId” tag. Thus, when releasing a transaction with "tranId" tag, the returned value in the "AutoCommHold" response should then be sent in the subsequent "AutoCommRelease" request.

autoCommHold Request (using card Number)

```
<ashrait>
<ashrait>
   <request>
      <version>2000</version>
      <language>ENG</language>
      <dateTime>2018-02-01 10:14:27</dateTime>
      <command>doDeal</command>
      <requestId>1517472867-17050</requestId>
      <doDeal>
         <terminalNumber>088XXXXXXX</terminalNumber>
         <cardNo>XXXXXXXXXX4292</cardNo>
         <cardExpiration>0218</cardExpiration>
         <cvv>XXX</cvv>
```


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```
        <total>100</total>
        <transactionType>Debit</transactionType>
        <creditType>RegularCredit</creditType>
        <currency>ILS</currency>
        <transactionCode>Phone</transactionCode>
        <validation>AutoCommHold</validation>
        <customerData />
      </doDeal>
   </request>
</ashrait>
```

autoCommHold Response (response contains cardId value)

```
<ashrait>
  <response>
    <command>doDeal</command>
    <dateTime>2018-02-01 15:50</dateTime>
    <requestId>1517472867-17050</requestId>
    <tranId>26975443</tranId>
    <result>000</result>
    <message>Permitted transaction.</message>
    <userMessage>Permitted transaction.</userMessage>
    <additionalInfo>Host Result 00-SUCCESS </additionalInfo>
    <version>2000</version>
    <language>Eng</language>
    <doDeal>
      <status>000</status>
      <statusText>Permitted transaction.</statusText>
      <terminalNumber>0880700014</terminalNumber>
      <cardId>1081050459754292</cardId>
      <cardBin>458028</cardBin>
      <cardMask>458028******4292</cardMask>
      <cardLength>16</cardLength>
      <cardNo>xxxxxxxxxxxx4292</cardNo>
      <cardName>ויזה זהב</cardName>
      <cardExpiration>0218</cardExpiration>
      <cardType code="00">Local</cardType>
      <creditCompany code="2">Visa</creditCompany>
      <cardBrand code="2">Visa</cardBrand>
      <cardAcquirer code="6">Alphacard</cardAcquirer>
      <serviceCode />
      <transactionType code="01">RegularDebit</transactionType>
      <creditType code="1">RegularCredit</creditType>
      <currency code="1">ILS</currency>
      <baseCurrency />
      <baseAmount />
      <transactionCode code="50">Phone</transactionCode>
      <total>100</total>
      <firstPayment />
      <periodicalPayment />
      <numberOfPayments />
      <clubId />
      <validation code="9">AutoCommHold</validation>
      <idStatus code="" />
      <cvvStatus code="" />
      <authSource code="" />
      <authNumber />
      <fileNumber>07</fileNumber>
      <slaveTerminalNumber>001</slaveTerminalNumber>
      <slaveTerminalSequence>030</slaveTerminalSequence>
```


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```
      <eci />
      <clientIp />
      <email />
      <cavvStatus code="" />
      <user />
      <addonData />
      <supplierNumber />
      <id />
      <shiftId1 />
      <shiftId2 />
      <shiftId3 />
      <shiftTxnDate />
      <cgUid>26975443</cgUid>
      <digitalWalletData />
      <acquirerData>
        <gateway>AshraitEmv</gateway>
        <acquirerTranType>01</acquirerTranType>
      </acquirerData>
      <ashraitEmvData>
        <uid>18020115505508807004438</uid>
        <idFlag>0</idFlag>
        <manufId>CGD</manufId>
        <catLevel>0</catLevel>
        <cvvFlag>1</cvvFlag>
        <manufUse>321002</manufUse>
        <ashVersion>i</ashVersion>
        <ashTermType>0</ashTermType>
        <deviceStatus>1111000000</deviceStatus>
        <telAuthAbility>1</telAuthAbility>
        <isDoReverseDeal>0</isDoReverseDeal>
      </ashraitEmvData>
    </doDeal>
  </response>
</ashrait>
```

autoCommReleaseRequest (populating "cgId" and "cardId" as returned in "AutoCommHold" response)

```
<ashrait>
   <request>
      <version>2000</version>
      <language>ENG</language>
      <dateTime>2018-02-01 10:14:27</dateTime>
      <command>doDeal</command>
      <requestId>1517472867-17050</requestId>
      <doDeal>
         <terminalNumber>088XXXXXXX</terminalNumber>
         <validation>AutoCommRelease</validation>
         <cardId>1081050459754292</cardId>
         <cgUid>26975443</cgUid>
         <cardExpiration>0218</cardExpiration>
         <cvv>292</cvv>
         <total>100</total>
         <transactionType>Debit</transactionType>
         <creditType>RegularCredit</creditType>
         <currency>ILS</currency>
         <transactionCode>Phone</transactionCode>
         <customerData />
      </doDeal>
   </request>
```


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```
</ashrait>
```

autoCommRelease Response (transaction is now released for settlement)

```
<ashrait>
  <response>
    <command>doDeal</command>
    <dateTime>2018-02-01 15:59</dateTime>
    <requestId>1517472867-17050</requestId>
    <tranId>26975444</tranId>
    <result>000</result>
    <message>Permitted transaction.</message>
    <userMessage>Permitted transaction.</userMessage>
    <additionalInfo />
    <version>2000</version>
    <language>Eng</language>
    <doDeal>
      <status>000</status>
      <statusText>Permitted transaction.</statusText>
      <terminalNumber>0880700014</terminalNumber>
      <cardId>1081050459754292</cardId>
      <cardBin>458028</cardBin>
      <cardMask>458028******4292</cardMask>
      <cardLength>16</cardLength>
      <cardNo>xxxxxxxxxxxx4292</cardNo>
      <cardName />
      <cardExpiration>0218</cardExpiration>
      <cardType code="00">Local</cardType>
      <creditCompany code="2">Visa</creditCompany>
      <cardBrand code="2">Visa</cardBrand>
      <cardAcquirer code="6">Alphacard</cardAcquirer>
      <serviceCode />
      <transactionType code="01">RegularDebit</transactionType>
      <creditType code="1">RegularCredit</creditType>
      <currency code="1">ILS</currency>
      <baseCurrency />
      <baseAmount />
      <transactionCode code="50">Phone</transactionCode>
      <total>100</total>
      <firstPayment />
      <periodicalPayment />
      <numberOfPayments />
      <clubId />
      <validation code="109">AutoCommRelease</validation>
      <idStatus code="" />
      <cvvStatus code="" />
      <authSource code="" />
      <authNumber />
      <fileNumber />
      <slaveTerminalNumber />
      <slaveTerminalSequence />
      <eci />
      <clientIp />
      <email />
      <cavvStatus code="" />
      <user />
      <addonData />
      <supplierNumber />
      <id />
      <shiftId1 />
```


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```
      <shiftId2 />
      <shiftId3 />
      <shiftTxnDate />
      <cgUid>26975443</cgUid>
      <digitalWalletData />
      <acquirerData>
        <gateway>AshraitEmv</gateway>
        <mpi3dsSupport>0</mpi3dsSupport>
        <acquirerTranType>01</acquirerTranType>
      </acquirerData>
    </doDeal>
  </response>
</ashrait>
```

It is also possible to send autoCommRealse requests with just minimal information.

autoCommReleaseRequest (populating "cgId" as returned in "AutoCommHold" response)

```
<ashrait>
   <request>
      <version>2000</version>
      <language>ENG</language>
      <dateTime>2018-02-01 10:14:27</dateTime>
      <command>doDeal</command>
      <requestId>1517472867-17050</requestId>
      <doDeal>
         <terminalNumber>088XXXXXXX</terminalNumber>
         <validation>AutoCommRelease</validation>
         <cgUid>26975443</cgUid>
      </doDeal>
   </request>
</ashrait>
```

autoCommReleaseRequest (populating "OrgUid" as returned in “uid” tag in "AutoCommHold" response)

```
<ashrait>
   <request>
      <version>2000</version>
      <language>ENG</language>
      <dateTime>2018-02-01 10:14:27</dateTime>
      <command>doDeal</command>
      <requestId>1517472867-17050</requestId>
      <doDeal>
         <terminalNumber>088XXXXXXX</terminalNumber>
         <validation>AutoCommRelease</validation>
         <ashraitEmvData>
              <orgUid>180705133145088281927 39</orgUid>
         </ashraitEmvData>
      </doDeal>
   </request>
</ashrait>
```

autoCommReleaseRequest (populating "tranId" as returned in "AutoCommHold" response)

```
<ashrait>
   <request>
      <version>2000</version>
      <language>ENG</language>
```


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```
      <dateTime>2018-02-01 10:14:27</dateTime>
      <command>doDeal</command>
      <requestId>1517472867-17050</requestId>
      <doDeal>
         <terminalNumber>088XXXXXXX</terminalNumber>
         <validation>AutoCommRelease</validation>
         <tranId>26975443</tranId>
      </doDeal>
   </request>
</ashrait>
```

Transaction Hold Request

- The API allows to delay (hold) the capture of transaction that was authorized before.
- This is obtained by performing the doDeal request with "validation" tag value of "HoldAutoComm" (J209).
- Thus, the transaction that was authorized won't be transmitted to SHVA and will be "held" on CG-Gateway till the merchant "releases" the transaction.
- The transaction can be held by using a subsequent doDeal request with "validation" tag value of "HoldAutoComm" (J109) containing the original transaction track2, card number or cardId.
- Please note that the "cardId" value is returned in the initial "AutoComm" response and can then be used in the subsequent "holdAutoComm" request.
- The original transaction is then identified by all transaction attributes and "cgUid" identifier or "user" tag
- If holding transaction with the "user" tag. The same "user" value should be sent in both the autoComm transaction and holdAutoComm.
- Otherwise, when holding a transaction with "cgUid" tag, the returned value in the "AutoComm" response should then be sent in the subsequent "holdAutoComm" request.
- For backward compatibility, the original transaction can also be identified by the "tranId" tag. Thus, when holding a transaction with "tranId" tag, the returned value in the "AutoComm" response should then be sent in the subsequent "HoldAutoComm" request.
- To release the held transaction refer to the section about "AutoCommRelease"

autoComm Request (using card Number)

```
<ashrait>
<ashrait>
   <request>
      <version>2000</version>
      <language>ENG</language>
      <dateTime>2018-02-01 10:14:27</dateTime>
      <command>doDeal</command>
      <requestId>1517472867-17050</requestId>
```

```
      <doDeal>
         <terminalNumber>088XXXXXXX</terminalNumber>
         <cardNo>XXXXXXXXXX4292</cardNo>
         <cardExpiration>0218</cardExpiration>
         <cvv>XXX</cvv>
         <total>100</total>
         <transactionType>Debit</transactionType>
         <creditType>RegularCredit</creditType>
         <currency>ILS</currency>
         <transactionCode>Phone</transactionCode>
         <validation>AutoComm</validation>
         <customerData />
      </doDeal>
   </request>
</ashrait>
```

autoCommHold Response (response contains cardId value)

```
<ashrait>
  <response>
    <command>doDeal</command>
    <dateTime>2018-02-01 15:50</dateTime>
    <requestId>1517472867-17050</requestId>
    <tranId>26975443</tranId>
    <result>000</result>
    <message>Permitted transaction.</message>
    <userMessage>Permitted transaction.</userMessage>
    <additionalInfo>Host Result 00-SUCCESS </additionalInfo>
    <version>2000</version>
    <language>Eng</language>
    <doDeal>
      <status>000</status>
      <statusText>Permitted transaction.</statusText>
      <terminalNumber>0880700014</terminalNumber>
      <cardId>1081050459754292</cardId>
      <cardBin>458028</cardBin>
      <cardMask>458028******4292</cardMask>
      <cardLength>16</cardLength>
      <cardNo>xxxxxxxxxxxx4292</cardNo>
      <cardName>זהב ויזה</cardName>
      <cardExpiration>0218</cardExpiration>
      <cardType code="00">Local</cardType>
      <creditCompany code="2">Visa</creditCompany>
      <cardBrand code="2">Visa</cardBrand>
      <cardAcquirer code="6">Alphacard</cardAcquirer>
      <serviceCode />
      <transactionType code="01">RegularDebit</transactionType>
      <creditType code="1">RegularCredit</creditType>
      <currency code="1">ILS</currency>
      <baseCurrency />
      <baseAmount />
      <transactionCode code="50">Phone</transactionCode>
      <total>100</total>
      <firstPayment />
      <periodicalPayment />
      <numberOfPayments />
      <clubId />
      <validation code="4">AutoComm</validation>
      <idStatus code="" />
      <cvvStatus code="" />
```


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```
      <authSource code="" />
      <authNumber />
      <fileNumber>07</fileNumber>
      <slaveTerminalNumber>001</slaveTerminalNumber>
      <slaveTerminalSequence>030</slaveTerminalSequence>
      <eci />
      <clientIp />
      <email />
      <cavvStatus code="" />
      <user />
      <addonData />
      <supplierNumber />
      <id />
      <shiftId1 />
      <shiftId2 />
      <shiftId3 />
      <shiftTxnDate />
      <cgUid>26975443</cgUid>
      <digitalWalletData />
      <acquirerData>
        <gateway>AshraitEmv</gateway>
        <acquirerTranType>01</acquirerTranType>
      </acquirerData>
      <ashraitEmvData>
        <uid>18020115505508807004438</uid>
        <idFlag>0</idFlag>
        <manufId>CGD</manufId>
        <catLevel>0</catLevel>
        <cvvFlag>1</cvvFlag>
        <manufUse>321002</manufUse>
        <ashVersion>i</ashVersion>
        <ashTermType>0</ashTermType>
        <deviceStatus>1111000000</deviceStatus>
        <telAuthAbility>1</telAuthAbility>
        <isDoReverseDeal>0</isDoReverseDeal>
      </ashraitEmvData>
    </doDeal>
  </response>
</ashrait>
```

holdAutoComm Request (populating "cgId" and "cardId" as returned in "AutoCommHold" response)

```
<ashrait>
   <request>
      <version>2000</version>
      <language>ENG</language>
      <dateTime>2018-02-01 10:14:27</dateTime>
      <command>doDeal</command>
      <requestId>1517472867-17050</requestId>
      <doDeal>
         <terminalNumber>088XXXXXXX</terminalNumber>
         <validation>HoldAutoComm</validation>
         <cardId>1081050459754292</cardId>
         <cgUid>26975443</cgUid>
         <cardExpiration>0218</cardExpiration>
         <cvv>292</cvv>
         <total>100</total>
         <transactionType>Debit</transactionType>
         <creditType>RegularCredit</creditType>
```


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```
        <currency>ILS</currency>
        <transactionCode>Phone</transactionCode>
        <customerData />
      </doDeal>
   </request>
</ashrait>
```

autoCommRelease Response (transaction is now released for settlement)

```
<ashrait>
  <response>
    <command>doDeal</command>
    <dateTime>2018-02-01 15:59</dateTime>
    <requestId>1517472867-17050</requestId>
    <tranId>26975444</tranId>
    <result>000</result>
    <message>Permitted transaction.</message>
    <userMessage>Permitted transaction.</userMessage>
    <additionalInfo />
    <version>2000</version>
    <language>Eng</language>
    <doDeal>
      <status>000</status>
      <statusText>Permitted transaction.</statusText>
      <terminalNumber>0880700014</terminalNumber>
      <cardId>1081050459754292</cardId>
      <cardBin>458028</cardBin>
      <cardMask>458028******4292</cardMask>
      <cardLength>16</cardLength>
      <cardNo>xxxxxxxxxxxx4292</cardNo>
      <cardName />
      <cardExpiration>0218</cardExpiration>
      <cardType code="00">Local</cardType>
      <creditCompany code="2">Visa</creditCompany>
      <cardBrand code="2">Visa</cardBrand>
      <cardAcquirer code="6">Alphacard</cardAcquirer>
      <serviceCode />
      <transactionType code="01">RegularDebit</transactionType>
      <creditType code="1">RegularCredit</creditType>
      <currency code="1">ILS</currency>
      <baseCurrency />
      <baseAmount />
      <transactionCode code="50">Phone</transactionCode>
      <total>100</total>
      <firstPayment />
      <periodicalPayment />
      <numberOfPayments />
      <clubId />
      <validation code="209">holdAutoComm</validation>
      <idStatus code="" />
      <cvvStatus code="" />
      <authSource code="" />
      <authNumber />
      <fileNumber />
      <slaveTerminalNumber />
      <slaveTerminalSequence />
      <eci />
      <clientIp />
      <email />
      <cavvStatus code="" />
```


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```
      <user />
      <addonData />
      <supplierNumber />
      <id />
      <shiftId1 />
      <shiftId2 />
      <shiftId3 />
      <shiftTxnDate />
      <cgUid>26975443</cgUid>
      <digitalWalletData />
      <acquirerData>
        <gateway>AshraitEmv</gateway>
        <mpi3dsSupport>0</mpi3dsSupport>
        <acquirerTranType>01</acquirerTranType>
      </acquirerData>
    </doDeal>
  </response>
</ashrait>
```

It is also possible to send holdAutoComm requests with just minimal information.

holdAutoComm Request (populating "cgId" as returned in "AutoComm" response)

```
<ashrait>
   <request>
      <version>2000</version>
      <language>ENG</language>
      <dateTime>2018-02-01 10:14:27</dateTime>
      <command>doDeal</command>
      <requestId>1517472867-17050</requestId>
      <doDeal>
         <terminalNumber>088XXXXXXX</terminalNumber>
         <validation>HoldAutoComm</validation>
         <cgUid>26975443</cgUid>
      </doDeal>
   </request>
</ashrait>
```

holdAutoComm Request (populating "OrgUid" as returned in “uid” tag in "AutoComm" response)

```
<ashrait>
   <request>
      <version>2000</version>
      <language>ENG</language>
      <dateTime>2018-02-01 10:14:27</dateTime>
      <command>doDeal</command>
      <requestId>1517472867-17050</requestId>
      <doDeal>
         <terminalNumber>088XXXXXXX</terminalNumber>
         <validation>HoldAutoComm</validation>
         <ashraitEmvData>
              <orgUid>18070513314508828192739 </orgUid>
         </ashraitEmvData>
      </doDeal>
   </request>
</ashrait>
```

holdAutoComm Request (populating "tranId" as returned in "AutoComm" response)

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```
<ashrait>
   <request>
      <version>2000</version>
      <language>ENG</language>
      <dateTime>2018-02-01 10:14:27</dateTime>
      <command>doDeal</command>
      <requestId>1517472867-17050</requestId>
      <doDeal>
         <terminalNumber>088XXXXXXX</terminalNumber>
         <validation>HoldAutoComm</validation>
         <tranId>26975443</tranId>
      </doDeal>
   </request>
</ashrait>
```


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