

# dentsu TRACKING

## **Dentsu Aegis Network**

EU SECONDARY REPOSITORY SPECIFICATIONS VERSION 1.4.2

LIST OF ERROR CODES WITH DESCRIPTION

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This document details the error codes that the Router generates in response to different validation errors

## Summary of changes

Date	Version	Done by	Comment
18.03.2020	1.0	Dentsu Aegis Network	
20.03.2020	1.1	Reviewed by the European Commission	
25.03.2020	1.2	Updated by Dentsu	
28.04.2020	1.3.1	Updated by Dentsu	Clarifications on errors at arrival and dispatch + Add pre Apr 1 <sup>st</sup> warning
05.05.2020	1.3.2	Reviewed by the European Commission	
05.07.2020	1.3.3	Updated by Dentsu	Remove description of Transition warning for UI_NOT_EXIST due to end of transition period on May 20th

## Publication

Date	Version	Submitted to
27.03.2020	1.2	
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## Publication Statement

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# 1 List of Error Codes

## 1.1 Security errors

HTTP status	Error Code	Text Description
401	INVALID_OR_EXPIRED_TOKEN  Related control: VAL_SEC_TOKEN	Error Descr: The incoming token is not valid or expired  Comment: The security token has expired and should be renewed.

## 1.2 Processing errors

HTTP status	Error Code	Text Description
400	FAILED_VALIDATION  Related control: VAL_FIE_REF VAL_MSG_XML	Error Descr: The field <XXX> should contain a valid <YYY>  Error Descr for Circular Reference issue: The message contains UI values that form a circular reference  Eg: The value for the field Aggregation_Type ( <b>XXX</b> ) is not in the defined set of values for AggregationType ( <b>YYY</b> ) (1 2 or 3)  Comments: The values must match the values included in the set defined in the Data Dictionary. Concerning circular reference error: the UI mentioned in the event message is a parent of another UI present in the same message.
400	REQUIRED_FIELD_FAILED_VALIDATION  Related controls: VAL_FIE_MAN VAL_MSG_JSON	Error Descr: The field <XXX> is required.  VAL_FIE_MAN: Data missing in Mandatory field. Eg: field = ""

		<p>VAL_MSG_JSON:</p> <p>Missing mandatory field.</p> <p>Eg: field = null or not present in the JSON</p>
400	<p>INVALID_MESSAGE_TYPE</p> <p>Related control: VAL_MSG_TYPE</p>	<p>Error Descr: Message type is unknown</p> <p>Comment: The type of Message you are using is not present in the Data Dictionary.</p>
400	<p>INVALID_SIGNATURE</p> <p>Related control: VAL_SEC_HASH</p>	<p>Error Descr: Hash information not matching the message signature</p> <p>Comment: The validation of the HASH of the body of the message does not match the transmitted HASH information in the header X-OriginalHash.</p>
400	<p>MAX_LENGTH_FAILED_VALIDATION</p> <p>Related control: VAL_MSG_JSON</p>	<p>Error Descr: The field &lt;XXX&gt; should be a value with maximum length of &lt;Y&gt;</p> <p>Comment: The message does not follow the specifications defined in the Data Dictionary.</p> <p>The number of characters must remain under the max length.</p>
400	<p>MIN_LENGTH_FAILED_VALIDATION</p> <p>Related control: VAL_MSG_JSON</p>	<p>Error Descr: The field &lt;XXX&gt; should be a value with minimum length of &lt;Y&gt;</p> <p>Comment: The message does not follow the specifications defined in the Data Dictionary.</p> <p>The number of characters must remain above the min length.</p>
400	<p>ENTRY_LENGTH_FAILED_VALIDATION</p> <p>Related control: VAL_MSG_JSON</p>	<p>Error Descr: The field &lt;XXX&gt; should be a 2-dimensional array where each row contains &lt;Y&gt; elements</p>

		<p>Comment: The message does not follow the specifications defined in the Data Dictionary.</p>
400	<p>INVALID_INPUT_FORMAT</p> <p>Related controls: VAL_MSG_JSON VAL_FIE_FORMAT</p>	<p>Error Descr: see examples below</p> <p>Example for 3.3 message (dispatch - EDP): The field 'aUIs' contains wrong unique identifier formats</p> <p>Example for aggregation messages: The field 'Aggregated_UIs1' contains wrong unique identifier formats</p> <p>Comments: The message does not follow the specifications defined in the Data Dictionary.</p> <p>The body of the message contains at least one field in wrong format or does not correspond to a valid JSON message.</p> <p>Recall messages will trigger this error when they are performed on 2.1 messages (IRU), 2.2 messages (IRA) and 2.3 messages (IDA)</p>
400	<p>PAYLOAD_NOT_UNIQUE</p> <p>Related control: VAL_MSG_DUPLICATE</p>	<p>Error Descr: The message should contain a payload which was not previously used</p> <p>Comment: The system already processed the same payload delivered successfully in an earlier message.</p> <p>You cannot resend the same payload</p>
400	<p>EXCISE_NUMBER_NOT_VALID</p> <p>Related control: VAL_MSG_JSON</p>	<p>Error Descr: The field 'EO_ExciseNumber2' should contain a valid excise number</p> <p>Comment: The format of the field EO_ExciseNumber2 does not match the Data Dictionary.</p>
400	<p>NON_COMPATIBLE_UIS</p> <p>Related control: VAL_MSG_JSON</p>	<p>Error Descr: the field 'upUI_2' should be compatible with 'upUI_1'</p> <p>Comment: Activation failed as ordered list of UIs with timestamp, did not match short UIs.</p>

400	<p>NOT_THE_SAME_NUMBER_OF_ITEMS</p> <p>Related control: VAL_MSG_JSON</p>	<p>Error Descr:</p> <p>For 3.1 message (activation - EUA): The field 'upUI_1' should contain the same number of items as 'upUIs_2'</p> <p>For 4.1 message (invoice - EIV): The field 'Product_Items_2' should contain the same number of items as 'Product_Items_1'</p> <p>And</p> <p>The field 'Product_Price' should contain the same number of items as 'Product_Items_1'</p> <p>Comments:</p> <p>3.1 message (activation - EUA): Activation failed as number of UI with timestamp, did not same number as short UIs.</p> <p>4.1 message (invoice - EIV): message failed as the items contained int the fields 'Product_Items_2' and/or 'Product_Price' are/is not the same as the number of items in 'Product_Items_1'.</p>
400	<p>MULTIPLE_UID</p> <p>Related control: VAL_UI_MULT_MSG</p>	<p>Error Descr: The field 'upUI'/'aUI' contains duplicate values</p> <p>Comment: Multiple duplicate UI present in the message lists. Message must contain only one occurrence of the same UI.</p>
500	<p>SYSTEM_ERROR</p>	<p>Error descr: Null</p> <p>Comment: The internal error ID should be provided to Dentsu support if required.</p>

### 1.3 Validation Warning

<b>HTTP status</b>	<b>Error Code</b>	<b>Text Description</b>
299	OPERATION_WITHIN_24_HOURS	Error Descr: Reporting events should be performed within 24 hours of the

	<p>Related control: VAL_EVT_24H</p>	<p>occurrence of the event (except dispatch and trans-loading events)</p> <p>Comment: You received this warning because this message has been reported late, i.e. more than 24 hours after the event time. Please note that the reporting time frame will be reduced to 3 hours starting from May 2028.</p>
299	<p>SHIPMENT_WITHIN_24_HOURS</p> <p>Related control: VAL_EVT_TIME</p>	<p>Error Descr: The date/Time provided in the field 'Event_Time' should not be more than 24 hours ahead of the actual reporting time</p> <p>Comment: Dispatch and transloading events must be reported within a time frame of 24 hours prior to the occurrence of the movement.</p> <p>Control is based on the "actual date - Event_Time" time difference.</p>
299	<p>UI_SEQUENCE_WARNING</p> <p>Related control: VAL_UI_ORD_SEQUENCE_WARNING</p>	<p>Error Descr: &lt;action&gt; is not expected nor allowed when state is generated/deactivated/implicitly disaggregated</p> <p>Error Descr for Pre April 1<sup>st</sup> 2020 UIs: WARNING: No sequence validation will be applied on the pre Apr 01 2020 UIs</p> <p>Comment: This error happens</p> <p>1/ when you are trying to generate upUIs which are already existing in the Secondary, or to deactivate upUIs/aUIs already deactivated, or to deactivate aUIs already implicitly disaggregated.</p> <p>Or</p> <p>2/ when your message contains UIs reported into the system in the period 20/05/2019 to 31/03/2020 for which the traceability record(s) contain(s) an inconsistency with the applicable rules.</p>

## 1.4 Validation errors

HTTP status	Error Code	Text Description
400	CANNOT_ROUTE  Related control: CANNOT_ROUTE	<p>Error Descr: This message cannot be routed</p> <p>Comment: The IRU message cannot be routed to the corresponding primary repository.</p> <p>The ID Issuer should contact the Economic Operator and ask him to verify with the primary provider that the EOID is correctly configured and pointing to the corresponding primary repository.</p>
400	UI_NOT_EXIST  Related controls: VAL_UI_EXIST_UPUI VAL_UI_EXIST_AUI	<p>Error Descr: The field 'upUIs/aUIs' must contain elements that are already recorded and in one of the following states: Activated, Generated</p> <p>Comment:</p> <p>This error is implemented for logistic actions, excluding UI activation.</p> <p>The most common reasons causing this message to occur are: a) the UID in question is a new UID not yet reported to the Secondary, c) The UID in question has not been encoded or decoded in line with the existing formatting instructions</p> <p>VAL_UI_EXIST_AUI</p> <p>Logistic action is not expected nor allowed if a UI does not exist (has not been part of an EPA message as a parent).</p> <p>VAL_UI_EXIST_UPUI</p> <p>Logistic action is not expected nor allowed if a UI does not exist (has not been part of any IRU message).</p>
400	UI_NOT_VALID  Related controls:	<p>Error Descr: &lt;action&gt; is not expected nor allowed when the pack has not been part of an application or an aggregation</p>

	<p>VAL_UI_EXIST_UPUI_SEQ VAL_UI_EXIST_AUI_SEQ</p>	<p>Comment: Action on upUI is not expected nor allowed when the upUI has not been applied. Action on aUI is not expected nor allowed when the aUI has not been aggregated</p>
400	<p>UIS_APPLICATION_ERROR</p> <p>Related controls: VAL_UI_EXIST_APP VAL_UI_DUPLICATE_APP</p>	<p>Error Descr for 3.1 message (activation - EUA): Unique Identifier application on unit pack is not expected nor allowed when pack does not exist or has been reported to be already applied</p> <p>Error descr for 2.3 message (deactivation - IDA): Deactivation of upUI/aUI is not expected nor allowed when upUI/aUI does not exist</p> <p>Comment: this error is generated when trying to activate/deactivate UIs which are not recorded in the Secondary or which have already received an application event.</p>
400	<p>UI_DEACTIVATED</p> <p>Related controls: VAL_UI_ORD_REACTIVATION VAL_UI_ORD_DEACTIVATED</p>	<p>Error Descr for 3.1 messages (activation - EUA): Unique identifier application on unit pack is not expected nor allowed once the unique identifier has been deactivated</p> <p>Error Descr for other logistic actions: &lt;Action&gt; is not expected nor allowed once the unique identifier has been deactivated</p> <p>Comment: The action you want to perform is not expected nor allowed after the UID has been deactivated with the 2.3 message.</p>
400	<p>MULTIPLE_AGGREGATION</p> <p>Related control: VAL_UI_ORD_AGG_MULT</p>	<p>Error Descr: Aggregation is not expected nor allowed when the pack is considered as aggregated or implicitly disaggregated</p> <p>Comment: Multiple aggregation identified for an aUI (as a parent) without having an explicit disaggregation of this aUI.</p>
400	<p>UI_ALREADY_DISAGGREGATED</p> <p>Related controls:</p>	<p>Error Descr: &lt;action&gt; is not expected nor allowed once the pack has been made explicitly available for aggregation after disaggregation</p>

	VAL_UI_ORD_DISAGG VAL_UI_ORD_IMPLDISAGG	Comment: an aUI that has been disaggregated (explicitly or implicitly) cannot be part of any product movement prior of being aggregated.
400	LOCATION_MISMATCH  Related controls: VAL_UI_ORD_AGG_FID VAL_UI_ORD_DISPATCH	Error Descr: the FID <del>must match with the</del> of the unique identifiers Comment: VAL_UI_ORD_AGG_FID All the goods must have been produced or reported to be in stock in the location where they are aggregated / disaggregated.  VAL_UI_ORD_DISPATCH All the goods must have been produced or reported to be in stock in the location from which they are dispatched.
400	FID_MISMATCH  Related Control: VAL_UI_FID_APP	Error Descr: the FID must match the FID specified unique identifiers  Comment: UI application in this location is not expected nor allowed as this location is not the one of the 2.1 message.
400	ARRIVAL_NOTALLOWED  Related Control: VAL_UI_ORD_ARRIVAL VAL_UI_ORD_ARRIVAL_RETURN	Error Descr: <action> not expected nor allowed when the pack is considered as in stock within EU facility following an application, arrival or return  Comment: arrival in EU facility is not expected nor allowed when the UID is considered as 'in stock', meaning that a UID must have been part of a prior reported dispatch or transloading event before having an arrival  It is not allowed to arrive multiple times the same UIDs. <u>Exceptions:</u> Imported products are allowed for arrival in EU facility without having any prior dispatch or transloading
400	UI_SEQUENCE_ERROR	Error descr: <action> is not expected nor allowed when/once <state>

	<p>Related control: VAL_UI_ORD_SEQUENCE</p>	<p>Comment: this is a generic sequence validation error caused by a message sent out of the permitted sequence.</p> <p>In particular, an implicit disaggregation in transit is not allowed, meaning that the reporting of an arrival must be done with reference to the same UI(s) as reported for the purpose of preceding dispatch/transloading.</p> <p>Example for a 3.3 message (dispatch):</p> <p><i>Dispatch from EU for delivery to retail destination is not expected nor allowed when the pack has been reported as dispatched for delivery to retail destination (DISPATCHED_EU_FIXED_QT_RETAIL/EDP_EU_FIXED_QT_RETAIL)</i></p> <p>In this case, the dispatch is failing because it is including UIs which are in state dispatched</p> <p>Example for a 3.7 message (report of delivery through Vending Van)</p> <p><i>Report of EU delivery with a vending van to retail outlet destination is not expected nor allowed when the pack has not been previously reported as dispatched for VV delivery (DISPATCHED_EU_FIXED_QT_RETAIL/EVR)</i></p> <p>In this case, the delivery through Vending Van is not allowed because the previous event is a dispatch to a facility with delivery of fixed quantity. It should have been a dispatch with delivery with Vending Van.</p>
400	<p>UI_EXPIRED</p> <p>Related control: VAL_UI_EXPIRY</p>	<p>Error Descr: Some or all unique identifiers listed in the message have expired</p> <p>Comment: Validation if the application or the aggregation date doesn't exceed the 6 months period after the generation of unique identifiers by the ID issuers.</p>
400	<p>EOID_NOT_EXIST_OR_ACTIVE</p> <p>Related controls: VAL_ENT_EXIST_EOID</p>	<p>Error Descr: EOID mentioned in the field 'EO_ID' is not marked as active in the repository</p>

	VAL_ENT_ACTIVE_EOID	Comment: The field 'EO_ID' must contain elements that are already recorded and active.
400	FID_NOT_EXIST_OR_ACTIVE  Related controls: VAL_ENT_EXIST_FID VAL_ENT_ACTIVE_FID	Error Descr: FID mentioned in the field 'F_ID' is not marked as active in the repository  Comment: The field 'F_ID' must contain elements that are already recorded and active.
400	MID_NOT_EXIST_OR_ACTIVE  Related controls: VAL_ENT_EXIST_MID VAL_ENT_ACTIVE_MID	Error Descr: MID mentioned in the field 'M_ID' is not marked as active in the repository  Comment: The field 'M_ID' must contain elements that are already recorded and active.
400	FID_NOT_RELATED_TO_EOID  Related control: VAL_ENT_REL_EOID_FID	Error Descr: There is no existing relation recorded between FID mentioned in the field 'F_ID' and a EOID  Comment: There is no existing relation recorded between FID mentioned in the field "F_ID" and an EOID.
400	MID_NOT_RELATED_TO_FID  Related control: VAL_ENT_REL_FID_MID	Error Descr: There is no existing relation recorded between MID mentioned in the field 'M_ID' and a FID  Comment: there is no existing relation recorded between MID mentioned in the field "M_ID" and a FID.
400	CODE_NOT_UNIQUE  Related controls: VAL_MSG_CODE_DUPLICATE VAL_RECALL_EXIST	Error Descr: The field 'Recall_Code' must contain a value which was not previously used  Comment: The recall code provided has been used before. For recall messages, you cannot recall twice on the same recall code if the previous recall message succeeded.

400	CODE_NOT_EXIST  Related control: VAL_RECALL_EXIST	Error Descr: The field 'Recall_Code' must contain elements that are already recorded  Comment: The recall code provided has not been found into the secondary.
400	RECALL_NOT_LAST_EVENT  Related control: VAL_RECALL_LAST	Error Descr: Please note that a recall can only be performed on valid messages that referred to UIs which were not later used in other messages.  Comment: recalls can only be performed on last event.

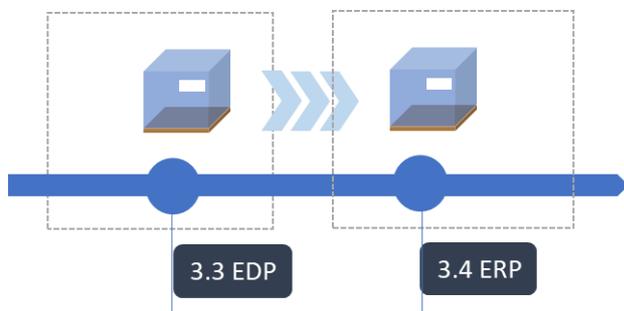
## 2 Clarifications on Sequence errors at Arrival:

### 2.1 General Principles

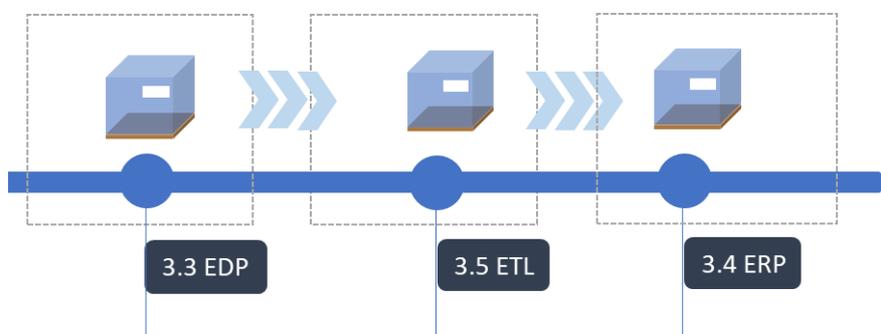
Events must be transmitted in sequence: Arrivals are expected to be reported in proper events sequence, following a dispatch, a transloading, or as a (partial) return from vending van delivery or from retail outlets.

Expected events sequences:

- EDP – 3.3 message > ERP – 3.4 message (including arrivals of type return)



- ETL – 3.5 message > ERP – 3.4 message (including arrivals of type return)



Events must be reported within respecting Principle 4: All disaggregation must be performed at a location. No Disaggregation are allowed during the transport.

Events must be reported within respecting Principle 5: The reporting on the Arrival should be done on the same UI that have been reported during the Dispatch/Transloading process. This is a consequence of Principle 4. This means that an Arrival Event that contains child UI of UI reported during the Dispatch/Transloading Event will be rejected. The same UI must be reported.

Exception to principle 5: Arrival of type return can be reported at a different level than the previous dispatch/transloading/delivery with VV

## 2.2 Main sequence errors for Arrival messages:

Sequence Validation Error	Error clarification
ARRIVAL_NOTALLOWED with related control VAL_UI_ORD_ARRIVAL VAL_UI_ORD_ARRIVAL_RETURN	<p>The error is generated because UIDs in the Arrival message were not part of a previous Dispatch or Transloading message.</p> <p>The previous Economic Operator should be contacted to verify its message of Dispatch/Transloading.</p>
UI_SEQUENCE_ERROR With related control VAL_UI_ORD_SEQUENCE	<p>The error is generated when UIDs scanned at Arrival are not the same that the ones scanned in the prior Dispatch/Transloading event.</p> <p>According to principle 5, the UIDs must be scanned at Arrival at the highest level of aggregation, before being implicitly or explicitly disaggregated.</p> <p>If the error is generated when Arrival is reported at the highest available aggregation level, the previous Economic Operator should be contacted to verify at which level it reported Dispatch/Transloading.</p> <p>Exception: Arrivals of type return will not generate this error because implicit disaggregation is allowed for them</p>

Other sequence validation errors/warnings can be generated for Arrival messages: UI\_NOT\_EXIST, UI\_NOT\_VALID, UI\_ALREADY\_DISAGGREGATED, UI\_DEACTIVATED  
See previous paragraph 1.3 and 1.4 for the error description.

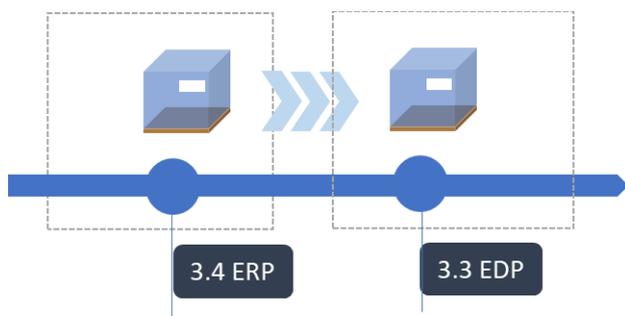
## 3 Clarifications on Sequence errors at Dispatch:

### 3.1 General Principles

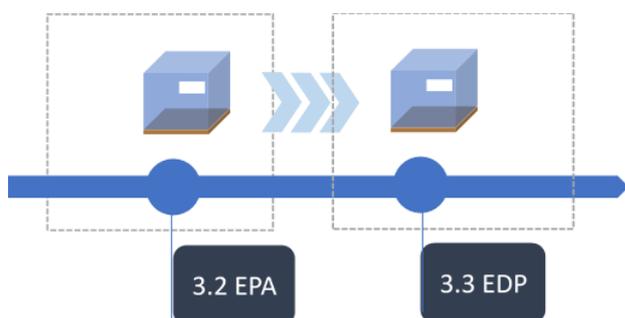
Products can be dispatched from a location only if they have been applied or aggregated in that specific location or if they have been previously reported as arrived in that location. This means that Dispatch events should follow an Arrival, an Aggregation or an Application message, and the origin of the Dispatch must correspond to the location of previous Arrival, Aggregation or Application event.

Expected sequences:

- ERP – 3.4 message > EDP – 3.3 message



- EPA – 3.2 message > EDP – 3.3 message



### 3.2 Main sequence errors for Dispatch messages:

Sequence Validation Error	Error clarification
UI_SEQUENCE_ERROR With related control VAL_UI_ORD_SEQUENCE	The error is generated when UIDs scanned at Dispatch are not part of a prior Delivery/Arrival, Aggregation or Application message.  The UIDs are considered as “in transit” and cannot be dispatched again.  The prior Delivery/Arrival of the UIDs in the location might have not be reported or the UIDs might have already been dispatched from the location.
LOCATION_MISMATCH With related control VAL_UI_ORD_DISPATCH	The error is generated when the facility of origin of the Dispatch does not match the current location of the UIDs reported in the Dispatch message.

	There might have been a misreporting in the previous Delivery/Arrival messages leading to a wrong location of the UIDs, or the current Dispatch does not report the correct facility of origin.
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Other sequence validation errors/warnings can be generated for Dispatch messages: UI\_NOT\_EXIST, UI\_NOT\_VALID, UI\_ALREADY\_DISAGGREGATED, UI\_DEACTIVATED  
See previous paragraph 1.3 and 1.4 for the error description.