



API External Release Notes  
25<sup>th</sup> January 2019

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## 1 Document Control

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Title	<b>API Release – Jan 25 2019 Release v 1.0</b>
Document Owner	IT Programme Manager EMEA (Integrated Solutions)
Author	Sean Beavis
Date Created	8 <sup>th</sup> January 2019
Document Purpose	To advise partner developers of API changes in the upcoming AFEX Production release and enable them to make any code changes to their software accordingly.
Target Audience	Partner developers

### Revision History

Version	Date	Author	Change Details
0.1	08/01/2019	Sean Beavis	Draft for review
0.2	14/01/2019	Sean Beavis	Version sent for approval
1.0	15/01/2019	Sean Beavis	Document approved for communication

## 2 Release Implementation Dates

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Environment	Implementation Date	Current Status
Production	Friday 25 <sup>th</sup> January 2019 PST	Pending Implementation
Demo	Friday 8 <sup>th</sup> February 2019 PST	Pending Implementation

## 3 AFEX API Documentation

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The currently published version of the AFEX API documentation (v4.1 2018) will be updated to reflect any changes in this document. This will relate to response examples including status codes.

<https://doc.api.afex.com>

## 4 Release Notes / Features

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**Note**, the end point URLs shown throughout this document are the AFEX Demo Environment, and AFEX UAT environment. These are shown for testing / illustration purposes and are not production end points.

### 4.1 Feature Summary

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The table below is a summary of the new features / changes described in this document.

AFEX Ref#	Feature
42469	Addition of 'Note' parameter for GET api/trades? and GET api/forwards?
42436	Addition of 'Id' parameter for GET api/forwards? method.
41450	Updated response error message for invalid currencies.
42471	Currency rules now applied to the GET api/valuedates method.
43035	Addition of 'Funded' parameter for GET api/trades?
42991	Updated response error messages and status codes for beneficiary bank and reference data API methods.
42989	Updated response error message for GET api/funding and GET api/fundingbalance?
42488 & 42489	Enhancement of the API permissions logic in CRM and AFEX internal systems.

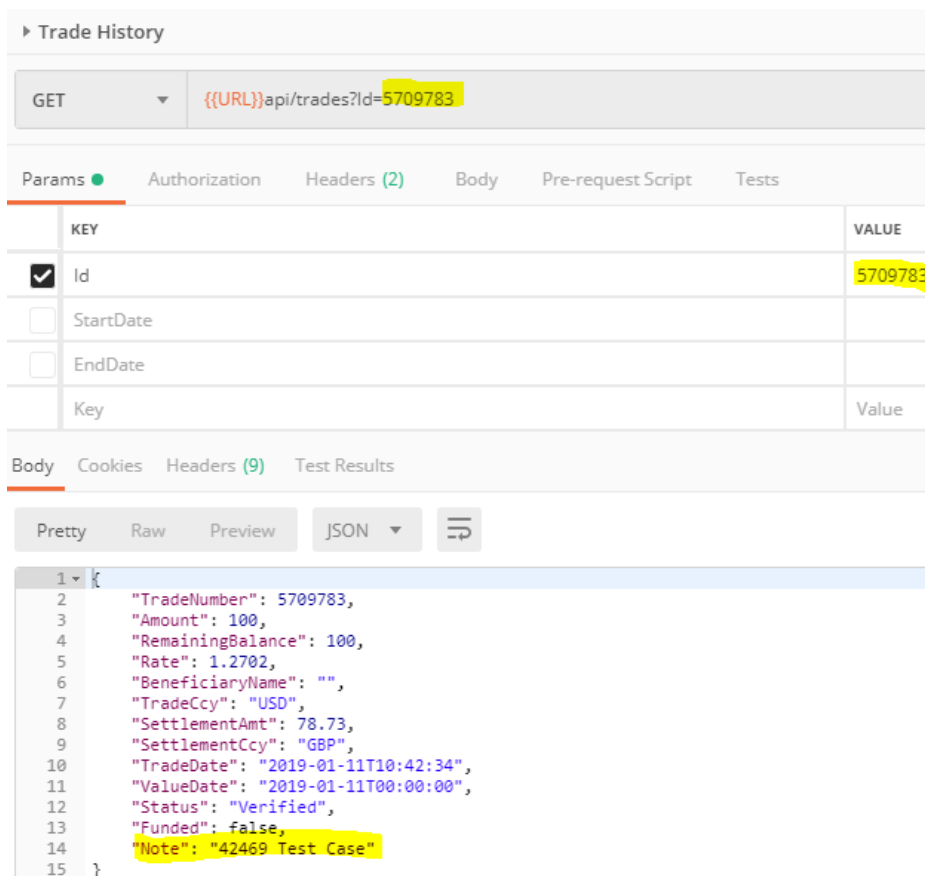
## 4.2 42469: Addition of 'Note' parameter for GET api/trades? And GET api/forwards?

If the 'Note' parameter is populated at the point of trade creation (**POST api/trades/create**) or forward creation (**POST api/forwards/create**) then the 'Note' parameter shall also now be displayed in the API response for the following API methods:

1. **GET api/trades?id**
2. **GET api/forwards?id**

### Example

When passing a trade or forward Id with either GET api/trades? or GET api/forwards? there is now an added 'Note' parameter returned. This parameter will display any notes that were populated at the time of the trade or forward creation.



The screenshot shows a REST client interface with the following details:

- Request Method:** GET
- URL:** {{URL}}api/trades?id=5709783
- Params:**

KEY	VALUE
<input checked="" type="checkbox"/> Id	5709783
<input type="checkbox"/> StartDate	
<input type="checkbox"/> EndDate	
Key	Value
- Body:**

```


1 {
2   "TradeNumber": 5709783,
3   "Amount": 100,
4   "RemainingBalance": 100,
5   "Rate": 1.2702,
6   "BeneficiaryName": "",
7   "TradeCcy": "USD",
8   "SettlementAmt": 78.73,
9   "SettlementCcy": "GBP",
10  "TradeDate": "2019-01-11T10:42:34",
11  "ValueDate": "2019-01-11T00:00:00",
12  "Status": "Verified",
13  "Funded": false,
14  "Note": "42469 Test Case"
15 }
```

### 4.3 42436: Addition of 'Id' parameter for GET api/forwards? method

The **GET api/forwards?** method has had an optional parameter of 'Id' added. When a Window Forward transaction is created with **POST api/forwards/create**, the returned trade number can now be passed in the 'Id' parameter of **GET api/forwards?** to return the trade details for that individual Window Forward trade. The API response shall include all the same parameters as returned in the open search of **GET api/forwards**.

#### Example

Windows Forward trade number of 5709798 passed in the new optional 'Id' parameter for GET api/forwards?. Trade details of the searched Window Forward returned.


Forward History 

GET ▼ `{{URL}}api/forwards?id=5709798`

Params ● Authorization Headers (2) Body Pre-request Script Tests

KEY	VALUE
<input checked="" type="checkbox"/> Id	5709798
<input type="checkbox"/> StartDate	01/01/2019
<input type="checkbox"/> EndDate	01/31/2019
Key	Value

Body Cookies Headers (9) Test Results

Pretty Raw Preview JSON ▼ 

```

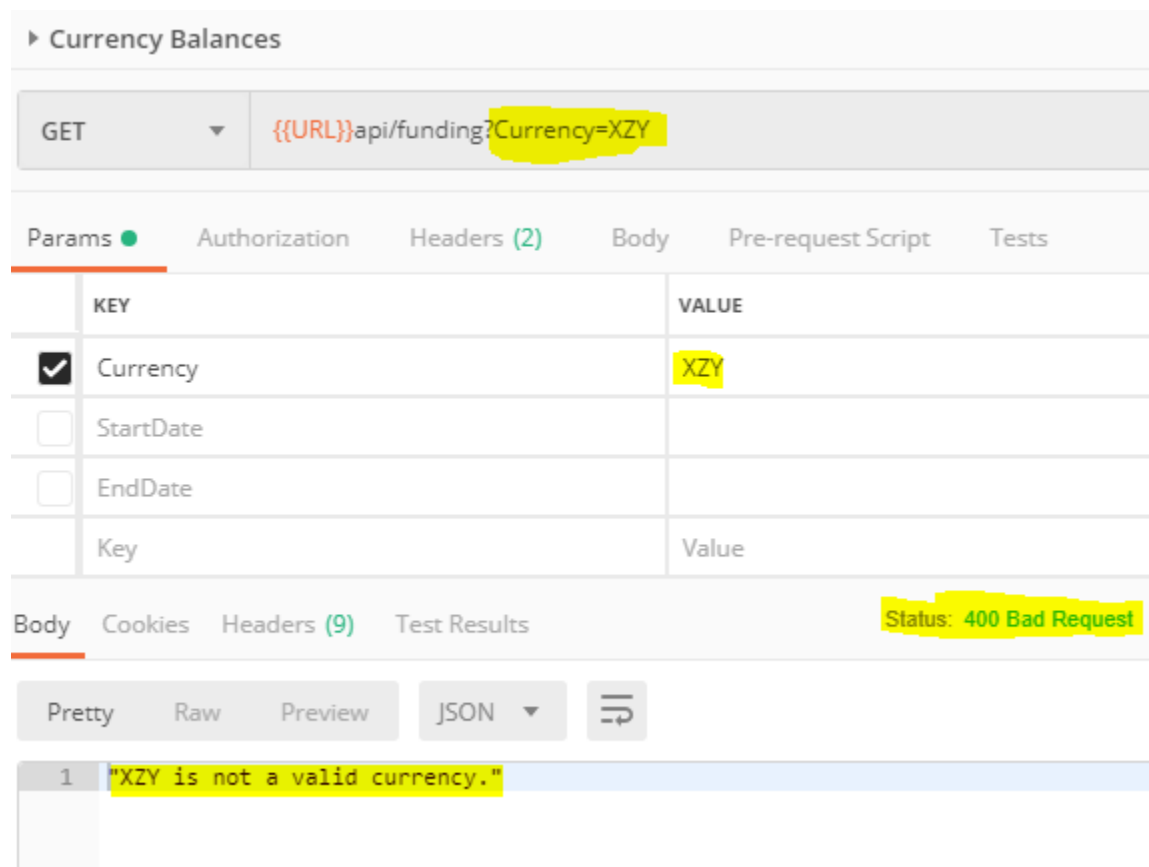
1  {
2    "TradeNumber": 5709798,
3    "RemainingBalance": 100,
4    "Amount": 100,
5    "Rate": 1.2661,
6    "TradeCcy": "USD",
7    "SettlementAmt": 78.98,
8    "SettlementCcy": "GBP",
9    "TradeDate": "2019-01-11T03:26:07",
10   "ValueDate": "2019-01-25T00:00:00",
11   "OptionDate": "2019-01-18T00:00:00",
12   "Note": "42436 Test Case"
13 }
    
```

#### 4.4 41450: Updated response error message for invalid currencies

If a user of the API provides an invalid currency (i.e. XYZ as a currency) in the **GET api/funding?** method, the API response shall now display an error stating: “XYZ is not a valid currency”. The Status Code of ‘400 Bad Request’ will be returned.

##### Example

When entering an invalid currency into the ‘Currency’ parameter of GET api/funding (which in this example is a currency code of XYZ) the API response correctly returns an error message stating “XYZ is not a valid currency”. A ‘400 Bad Request’ Status Code is also returned.




▶ Currency Balances

GET `{{URL}}api/funding?Currency=XYZ`

Params ● Authorization Headers (2) Body Pre-request Script Tests

KEY	VALUE
<input checked="" type="checkbox"/> Currency	XYZ
<input type="checkbox"/> StartDate	
<input type="checkbox"/> EndDate	
Key	Value

Body Cookies Headers (9) Test Results **Status: 400 Bad Request**

Pretty Raw Preview JSON ▾ 

```
1 "XYZ is not a valid currency."
```

## 4.5 42471: Currency rules now applied to the GET api/valuedates method

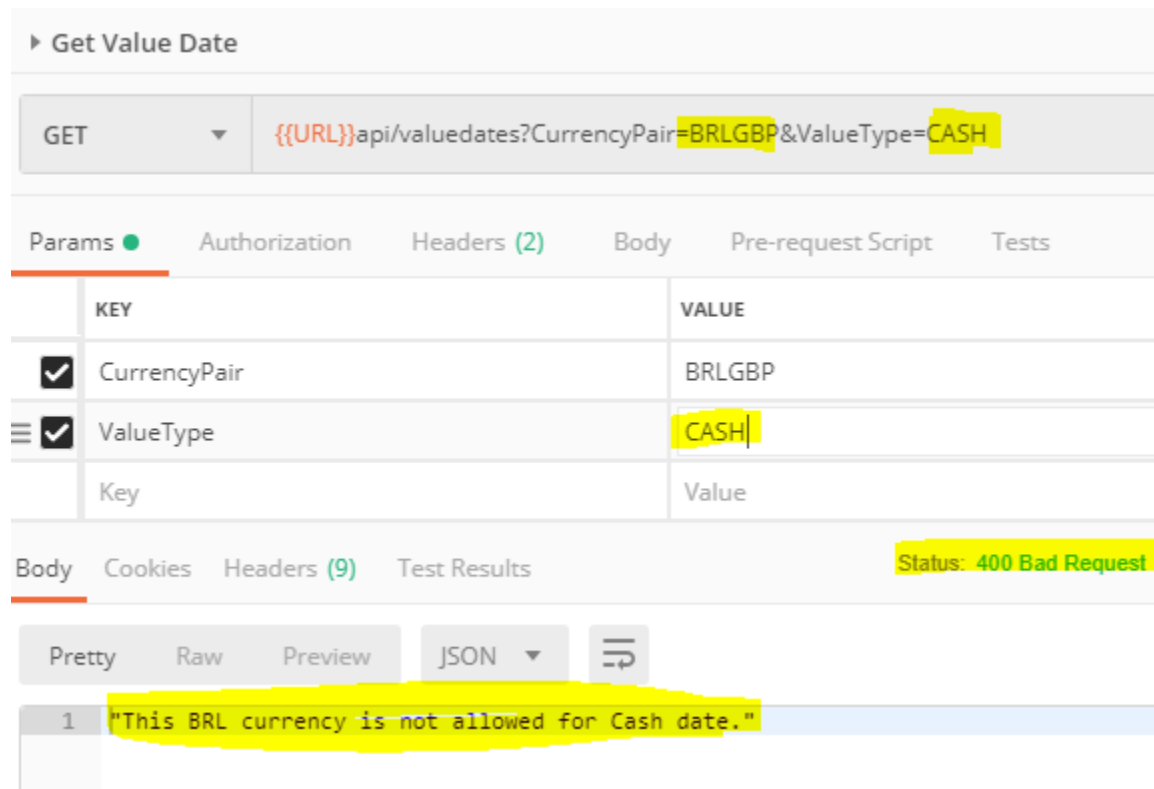
The API now applies currency rule restrictions at the time of retrieving value dates via the **GET api/valuedates** method. This is the same logic that is applied at the time of creating a trade via the API. The system shall check if the requested 'Value Type' parameter of either Cash, Tom or Spot is enabled for the selected currency pair in AFEX's currency rule settings. If the chosen 'Value Type' for a currency pair is not enabled then one of the following error messages will be returned by the API:

- 1) "This \*\*\* currency is not allowed for Cash date"
- 2) "This \*\*\* currency is not allowed for TOM date"
- 3) "This \*\*\* currency is not allowed for SPOT date"

\*\*\* = Currency code

### Example

When attempting to retrieve a CASH Value Type for the currency pair BRLGBP, the API correctly returns an error message in the response stating "This BRL currency is not allowed for Cash date". The error is based on AFEX's currency rule restrictions for BRL.



The screenshot shows a REST client interface with the following details:

- Method:** GET
- URL:** {{URL}}api/valuedates?CurrencyPair=BRLGBP&ValueType=CASH
- Params:**

KEY	VALUE
<input checked="" type="checkbox"/> CurrencyPair	BRLGBP
<input checked="" type="checkbox"/> ValueType	CASH
Key	Value
- Status:** 400 Bad Request
- Response Body (JSON):**

```
1 "This BRL currency is not allowed for Cash date."
```



## 4.6 43035: Addition of 'Funded' parameter for GET api/trades?

The **GET api/trades?Id** method will now return an additional parameter called 'Funded' to allow API clients to know when a trade has been funded. This parameter will return the phrase 'True' if the trade has been funded or 'False' if it is yet to be funded.

### Example

Calling api/trades?Id for the Trade Number 5709783 shows in the response the additional parameter 'Funded' as 'true'. This means the settlement for the booked trade has been received by AFEX and applied to the trade in order to fund it.

Trade History

GET `{{URL}}api/trades?Id=5709783`

Params ● Authorization Headers (2) Body Pre-request Script Tests

KEY	VALUE
<input checked="" type="checkbox"/> Id	5709783
<input type="checkbox"/> StartDate	
<input type="checkbox"/> EndDate	
Key	Value

Body Cookies Headers (9) Test Results Status: 200 OK

Pretty Raw Preview JSON ↕

```

1 {
2   "TradeNumber": 5709783,
3   "Amount": 100,
4   "RemainingBalance": 100,
5   "Rate": 1.2702,
6   "BeneficiaryName": "",
7   "TradeCcy": "USD",
8   "SettlementAmt": 78.73,
9   "SettlementCcy": "GBP",
10  "TradeDate": "2019-01-11T10:42:34",
11  "ValueDate": "2019-01-11T00:00:00",
12  "Status": "Verified",
13  "Funded": true,
14  "Note": "42469 Test Case"
15 }
```

#### 4.7 42991: Updated response error messages and status codes for beneficiary bank and reference date API methods

The API will now return a '400 Bad Request' Status Code when the below API requests cannot be fulfilled successfully because of bad data:

POST	api/country/region	<ul style="list-style-type: none"> <li>When <b>invalid country code</b> is provided in API request, API response status should be '400 Bad Request' with error message "Invalid Country Code"</li> </ul>
GET	api/city/find	<ul style="list-style-type: none"> <li>When <b>invalid country code</b> is provided in API request, API response status should be '400 Bad Request' with error message "Invalid Country Code"</li> </ul>
POST	api/nationalid/find	<ul style="list-style-type: none"> <li>When <b>invalid country code</b> is provided in API request, API response status should be '400 Bad Request' with error message "Invalid Country Code"</li> </ul>
POST	api/bank/find	<ul style="list-style-type: none"> <li>When <b>invalid country code</b> is provided in API request, API response status should be '400 Bad Request' with error message "Invalid Country Code"</li> </ul>
GET	api/nationalid/intermediary	<ul style="list-style-type: none"> <li>When <b>invalid currency code</b> is provided in API request, API response status should be '400 Bad Request' with error message "Invalid Currency Code"</li> </ul>
GET	api/bank/intermediary	<ul style="list-style-type: none"> <li>When <b>invalid currency code</b> is provided in API request, API response status should be '400 Bad Request'</li> </ul>

	with error message "Invalid Currency Code"
--	--

**Example**

In this example an invalid Country Code of 'XX' has been passed for POST api/bank/find. The API response correctly states an 'Invalid Country Code' has been submitted and returns a '400 Bad Request' Status Code.

▶ Find Beneficiary Bank by BIC

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POST {{URL}}api/bank/find

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Params   Authorization   Headers (2)   **Body**   Pre-request Script   Tests

none  
  form-data  
  x-www-form-urlencoded  
  raw  
  binary

	KEY	VALUE
<input checked="" type="checkbox"/>	CountryCode	XX
<input checked="" type="checkbox"/>	City	London
<input checked="" type="checkbox"/>	Institution	
<input checked="" type="checkbox"/>	SWIFTBIC	
	Key	Value

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Body  
 Cookies  
 Headers (9)  
 Test Results  
Status: 400 Bad Request

Pretty   Raw   Preview  
 JSON  
☰

```

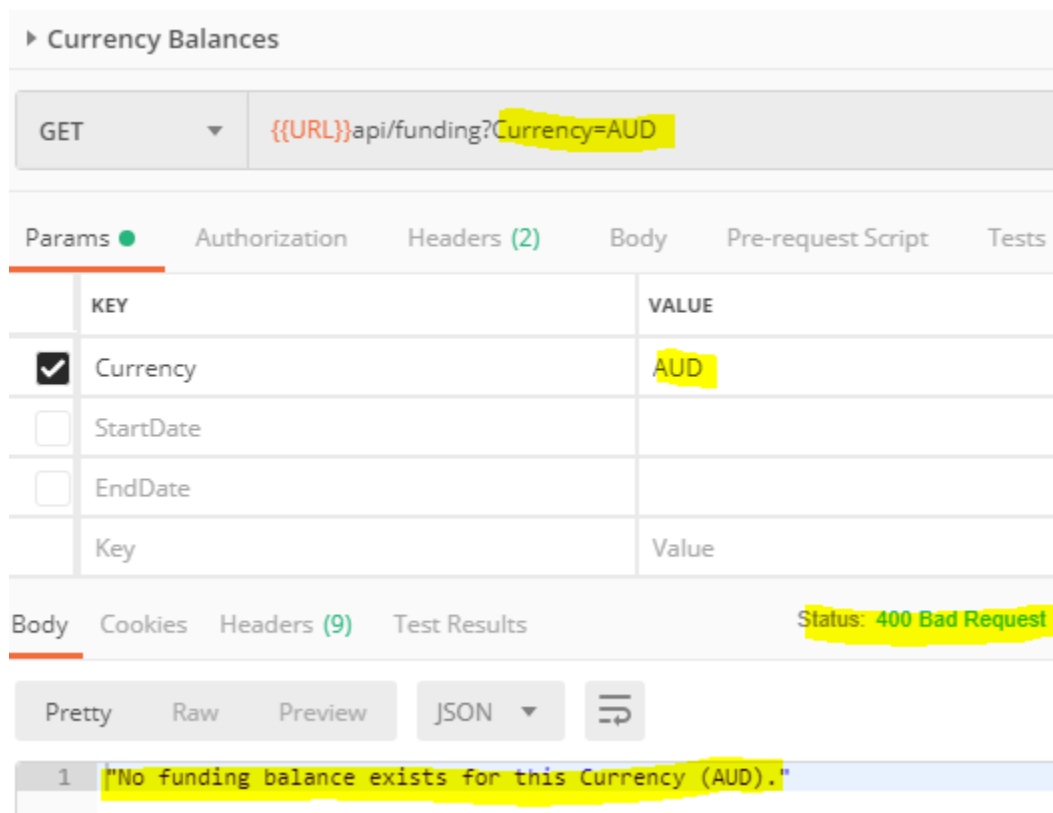
1  "Invalid Country Code"
    
```

## 4.8 42989: Updated response error message for GET api/funding and GET api/fundingbalance?

If a funding balance currency (Vostro account) that has been passed via **GET api/funding?** or **GET api/fundingbalance?** does not exist, then the API response will state “No funding balance exists for this Currency (\*\*\*)”. A ‘400 Bad Request’ Status Code is also returned.

### Example

In this example the funding balance currency of AUD has been passed via GET api/funding?. However, since the funding balance (Vostro account) of AUD does not exist for this test account the API correctly returns “No funding balance exists for this Currency (AUD)” with a ‘400 Bad Request’ Status Code.



The screenshot displays a REST client interface for a GET request. The URL is `{{URL}}api/funding?Currency=AUD`. The request parameters are:

KEY	VALUE
<input checked="" type="checkbox"/> Currency	AUD
<input type="checkbox"/> StartDate	
<input type="checkbox"/> EndDate	
Key	Value

The response status is **400 Bad Request**. The response body is:

```
1 "No funding balance exists for this Currency (AUD)."
```

#### 4.9 42488 & 42489: Enhancement of the API permissions logic in CRM and AFEX internal systems

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AFEX is enhancing its API permissions logic in its internal client account management systems as part of the upcoming release. This will provide AFEX with improved permission management capabilities such as managing Partner client/child account permission inheritance settings.

As this enhancement is in AFEX's internal systems, no review is needed by partner developers and therefore no example of the feature has been provided.