Defects and Observations:

**Defect 1:**

Description:

Though the business requirement specifies ABA field to be a “Mandatory” field for the country code of US, we are not getting any error response when ABA field is blank or when the field is not provided in the request as a parameter.

Steps to Replicate:

1. Send the below payload to http://preview.airwallex.com:30001/bank

{

"payment\_method": "SWIFT",

"bank\_country\_code": "US",

"account\_name": "John Smith",

"account\_number": "123",

"swift\_code": "ICBCUSBJ",

"aba": ""

}

Or

{

"payment\_method": "SWIFT",

"bank\_country\_code": "US",

"account\_name": "John Smith",

"account\_number": "123",

"swift\_code": "ICBCUSBJ"

}

We should have seen an error response but it returns with a success message and bank details are saved successfully.

**Defect 2:**

Description:

As per the requirement, swift code should be either 8 or 11 characters long. But when we provide swift code that is in between 8 and 10 characters, system doesn’t return an error response.

Steps to replicate:

1. Send the below payload to http://preview.airwallex.com:30001/bank

(With swift code of 9 characters)

{

"payment\_method": "SWIFT",

"bank\_country\_code": "AU",

"account\_name": "John Smith",

"account\_number": "123456789",

"swift\_code": "ICBCAUSWQ",

"bsb":"123456"

}

Or (With swift code of 10 characters)

{

"payment\_method": "SWIFT",

"bank\_country\_code": "AU",

"account\_name": "John Smith",

"account\_number": "123456789",

"swift\_code": "ICBCAUSWQB",

"bsb":"123456"

}

We should have seen an error message like “Length of 'swift\_code' should be either 8 or 11”. However, no error is thrown and bank details are saved successfully.

**Defect 3:**

Description:

Incorrect error response is being sent when the Account Number field is greater than 17 characters for country code of US

Steps to replicate:

1. Send the below payload to <http://preview.airwallex.com:30001/bank>

(With account\_number of 18 characters)

{

"payment\_method": "SWIFT",

"bank\_country\_code": "US",

"account\_name": "John Smith",

"account\_number": "123456789123456789",

"swift\_code": "ICBCUSBJ",

"aba": "11234A123"

}

**Defect 4:**

Description:

As per requirement, for country code AU, account number field should accept fields between 6-9 characters long. However, when a value of less than 6 characters is provided to account\_number field, it displays an incorrect error response.

Steps to replicate:

1. Send the below payload to <http://preview.airwallex.com:30001/bank>

{

"payment\_method": "SWIFT",

"bank\_country\_code": "AU",

"account\_name": "John Smith",

"account\_number": "12345",

"swift\_code": "ICBCAUBJ",

"bsb":"123456"

}

It displays the error response as “Length of account\_number should be between 7 and 11 when bank\_country\_code is 'US'”. However, this message seems inappropriate for AU as error message should be changed to reflect that field accepts characters only between 6 and 9 characters and not between 7 and 11. Also, observe that the message seems to be incorrectly displayed for country code of US and not for AU.

**Defect 5:**

Description:

Similar to Defect 4, when account\_number field is greater than 9 characters, it still displays the incorrect error response.

Steps to replicate:

1. Send the below payload to <http://preview.airwallex.com:30001/bank>

{

"payment\_method": "SWIFT",

"bank\_country\_code": "AU",

"account\_name": "John Smith",

"account\_number": "1234567890",

"swift\_code": "ICBCAUBJ",

"bsb":"123456"

}

Even in this scenario, it displays the incorrect message as Length of account\_number should be between 7 and 11 when bank\_country\_code is 'US'”.

**Defect 6:**

Description:

As per the requirement, country code of CN should accept account numbers that are 8-20 characters long. However, looks like CN is accepting account numbers that are between 6-9 characters long.

Steps to replicate:

1. Send the below payload to <http://preview.airwallex.com:30001/bank>

(With account\_number of 10 characters)

{

"payment\_method": "SWIFT",

"bank\_country\_code": "CN",

"account\_name": "John Smith",

"account\_number": "1234567890",

"swift\_code": "ICBCCNBJ"

}

Observe that CN should accept characters from 8-20. However, above request results in an error response with message “Length of account\_number should be between 7 and 11 when bank\_country\_code is 'US'”.

**Defect 7:** Another related defect is that when we pass characters greater than 20 characters for account\_number for CN, incorrect error response message is shown. Error message should be in the lines of “Length of account\_number should be between 8 and 20 when bank\_country\_code is 'CN'” instead of “Length of account\_number should be between 7 and 11 when bank\_country\_code is 'US'”.

**Defect 8:** Similarly, if we pass characters less than 8 characters (7 characters for ex.), we should see a message like “Length of account\_number should be between 8 and 20 when bank\_country\_code is 'CN'”. However, no error response is shown and we get a success response and bank details are getting saved.