# Test Report BIC API

# BIC API

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| **Test Plan** | | | | | | **Test Results** | |
| **ID** | **Operation** | **Scenario Description** | **Scenario Type** | **Applicable**  **(Y / N)** | **Exclusion Reason** | **Pass / Fail** | **Notes** |
| **Post / Add or Update BIC Success Scenarios** | | | | | | | |
| MOCK-BIC-001 | Add/Update BIC | User with full access permission successfully creates BIC code with CST number:  Request Body: {  "CustomerID": "1512100301",  "CustomerIDType": "CST",  "BICCode": "A019960",  "Commence": "2021-08-31"  }  Expected Response: 200  note: Commence date can be removed | Success |  |  |  |  |
| MOCK-BIC-002 | Add/Update BIC | User with full access permission successfully creates BIC code with IRD number:  Request Body: {  "CustomerID": "139369673",  "CustomerIDType": "IRD",  "BICCode": "A019960",  "Commence": "2021-08-31"  }  Expected Response: 200  note: Commence date can be removed | Success |  |  |  |  |
| **Delete / Delete BIC Success Scenarios** | | | | | | | |
| MOCK-BIC-003 | Delete BIC | User with full access permission successfully deletes BIC code with CST number:  Request Body: {  "CustomerID": "1512100301",  "CustomerIDType": "CST",  "BICCode": "N731115",  "Cease": "2021-08-31"  }  Expected Response: 200  note: Cease date can be removed | Success |  |  |  |  |
| MOCK-BIC-004 | Delete BIC | User with full access permission successfully deletes BIC code with IRD number:  Request Body: {  "CustomerID": "139369673",  "CustomerIDType": "IRD",  "BICCode": "A041930",  "Cease": "2021-03-31"  }  Expected Response: 200  note: Cease date can be removed | Success |  |  |  |  |

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| **Post / Add or Update BIC Failure Scenarios** | | | | | | | |
| MOCK-BIC-005 | Add/Update BIC | User receives a failed authorisation response using an invalid OAuth token  Request Headers: {  "Authorization": "Bearer invalidtoken"  }  Expected response:  "errors": [  {  "code": "EV1020",  "type": "security",  "message": "Authentication failure means the token (JWT or OAuth) provided is not valid"  }  ]  note: This works for both add or delete | Failure |  |  |  |  |
| MOCK-BIC-006 | Add/Update BIC | User receives a failed authorisation response using an invalid JWT token  Request Headers: {  "Authorization": "invalideyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCIsImtpZCI6Ik0yTSJ9.eyJzdWIiOiJTb2Z0d2FyZUludGVybWVkaWFyeSIsImlzcyI6IjgzREI1Q0NBNjdCMDA4MDlBMjYwQUM0RkRBRUU5OUU0MDI2QzUyMTYiLCJzdGFydExvZ29uIjoibGVlcnlkIiwiaWF0IjoxNTkzMzIwNDM3LCJleHAiOjE1OTMzNDkyMzd9.KnSU2pdi-eeKYH2qJXzV-jLbg-zEoGUqqmJlLPwo\_4CDs85ZdVFSQeinDdEKfbuSiwi0cndgJOfyYE18Xo-5lwEkWPQShtH86awgE9edO0UEA\_LzNlLfXEjyL5U9zufXzF5XOHLttSXyA5dP2JGZzy2kiOJfETWXuwS8YFCtPPMhcRWNaZ08WyXnPFxUV4hEJAL1cqyWneI3KtSCka10LgU7iOHNm4\_WIGxt1JV5CXIa9LIhZXpYJKnjgROdlKjVP8DBcRb7gKc-9ISwAkCffsIzU7JLGCOM-BJKPt2NQw0CeDF4Rx\_AO9Nt\_vcHtGKPkUA3ttcblLOztbd2CJIB\_Q"  }  Expected response:  "errors": [  {  "code": "EV1020",  "type": "security",  "message": "Authentication failure means the token (JWT or OAuth) provided is not valid"  }  ]  note: This works for both add or delete | Failure |  |  |  |  |
| MOCK-BIC-007 | Add/Update BIC | User receives a failed authorisation response using a missing OAuth/JWT token  Request Headers: {  }  Expected response:  "errors": [  {  "code": "EV1021",  "type": "security",  "message": "No OAuth or JWT token is present as an HTTP header"  }  ]  note: This works for both add or delete | Failure |  |  |  |  |
| MOCK-BIC-008 | Add/Update BIC | Add bic request with customerID fails modulus check, results in error response  Request Body: {  "CustomerID": "123456789",  "CustomerIDType": "IRD",  "BICCode": "A019960",  "Commence": "2021-08-31"  }  Expected response:  "errors": [  {  "code": "EV2234",  "type": "validation",  "message": "IR number failed check digit"  }  ] | Failure |  |  |  |  |
| MOCK-BIC-009 | Add/Update BIC | Add bic request with invalid format CustomerID, results in error response  Request Body: {  "CustomerID": "132-288-216",  "CustomerIDType": "IRD",  "BICCode": "A019960",  "Commence": "2021-08-31"  }  Expected response:  "errors": [  {  "code": "EV1100",  "type": "validation",  "message": "Invalid input parameters. Please check documentation: CustomerID"  }  ] | Failure |  |  |  |  |
| MOCK-BIC-010 | Add/Update BIC | Add bic request with customerID (IRD) does not exist, results in error response  Request Body: {  "CustomerID": "096950551",  "CustomerIDType": "IRD",  "BICCode": "A019960",  "Commence": "2021-08-31"  }  Expected response:  "errors": [  {  "code": "CST404",  "type": "validation",  "message": "A record could not be located for the given identifier."  }  ] | Failure |  |  |  |  |
| MOCK-BIC-011 | Add/Update BIC | Add bic request with customerID (CST) does not exist, results in error response  Request Body: {  "CustomerID": "1234567891",  "CustomerIDType": "CST",  "BICCode": "A019960",  "Commence": "2021-08-31"  }  Expected response:  "errors": [  {  "code": "CST404",  "type": "validation",  "message": "A record could not be located for the given identifier."  }  ] | Failure |  |  |  |  |
| MOCK-BIC-012 | Add/Update BIC | Add bic request with CustomerID missing in request, results in error response  Request Body: {  "CustomerIDType": "IRD",  "BICCode": "A019960",  "Commence": "2021-08-31"  }  Expected response:  "errors": [  {  "code": "EV1100",  "type": "validation",  "message": "Invalid input parameters. Please check documentation"  }  ] | Failure |  |  |  |  |
| MOCK-BIC-013 | Add/Update BIC | Add bic request with CustomerIDType missing in request, results in error response  Request Body: {  "CustomerID": "132244263",  "BICCode": "A019960",  "Commence": "2021-08-31"  }  Expected response:  "errors": [  {  "code": "EV1100",  "type": "validation",  "message": "Invalid input parameters. Please check documentation"  }  ] | Failure |  |  |  |  |
| MOCK-BIC-014 | Add/Update BIC | Add bic request with future commence date, results in error response  Request Body: {  "CustomerID": "132245721",  "CustomerIDType": "IRD",  "BICCode": "A019960",  "Commence": "9999-12-31"  }  Expected response:  "errors": [  {  "code": "BIC102",  "type": "validation",  "message": "Activity commence date may not be in the future"  }  ] | Failure |  |  |  |  |
| MOCK-BIC-015 | Add/Update BIC | Add bic request with BICCode missing in request, results in error response  Request Body: {  "CustomerID": "132245721",  "CustomerIDType": "IRD",  "Commence": "2021-03-31"  }  Expected response:  "errors": [  {  "code": "EV1100",  "type": "validation",  "message": "Invalid input parameters. Please check documentation"  }  ] | Failure |  |  |  |  |

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| **Post / Delete BIC Account Error Scenarios** | | | | | | | | |
| MOCK-BIC-016 | Delete BIC | Delete bic request with customerID fails modulus check, results in error response  Request Body: {  "CustomerID": "123456789",  "CustomerIDType": "IRD",  "BICCode": "A041930",  "Cease": "2021-08-31"  }  Expected response:  "errors": [  {  "code": "EV2234",  "type": "validation",  "message": "IR number failed check digit"  }  ] | Failure |  |  |  |  |
| MOCK-BIC-017 | Delete BIC | Delete bic request with invalid format CustomerID, results in error response  Request Body: {  "CustomerID": "132-288-216",  "CustomerIDType": "IRD",  "BICCode": "A041930",  "Cease": "2021-08-31"  }  Expected response:  "errors": [  {  "code": "EV1100",  "type": "validation",  "message": "Invalid input parameters. Please check documentation: CustomerID"  }  ] | Failure |  |  |  |  |
| MOCK-BIC-018 | Delete BIC | Delete bic request with customerID (IRD) does not exist, results in error response  Request Body: {  "CustomerID": "096950551",  "CustomerIDType": "IRD",  "BICCode": "A041930",  "Cease": "2021-08-31"  }  Expected response:  "errors": [  {  "code": "CST404",  "type": "validation",  "message": "A record could not be located for the given identifier."  }  ] | Failure |  |  |  |  |
| MOCK-BIC-019 | Delete BIC | Delete bic request with customerID (CST) does not exist, results in error response  Request Body: {  "CustomerID": "1234567891",  "CustomerIDType": "CST",  "BICCode": "A041930",  "Cease": "2021-08-31"  }  Expected response:  "errors": [  {  "code": "CST404",  "type": "validation",  "message": "A record could not be located for the given identifier."  }  ] | Failure |  |  |  |  |
| MOCK-BIC-020 | Delete BIC | Delete bic request with CustomerID missing in request, results in error response  Request Body: {  "CustomerIDType": "IRD",  "BICCode": "A041930",  "Cease": "2021-08-31"  }  Expected response:  "errors": [  {  "code": "EV1100",  "type": "validation",  "message": "Invalid input parameters. Please check documentation"  }  ] | Failure |  |  |  |  |
| MOCK-BIC-021 | Delete BIC | Delete bic request with CustomerIDType missing in request, results in error response  Request Body: {  "CustomerID": "132244263",  "BICCode": "A041930",  "Cease": "2021-08-31"  }  Expected response:  "errors": [  {  "code": "EV1100",  "type": "validation",  "message": "Invalid input parameters. Please check documentation"  }  ] | Failure |  |  |  |  |
| MOCK-BIC-022 | Delete BIC | Delete bic request with valid BIC Code that is not on customers profile, results in error response  Request Body: {  "CustomerID": "139369673",  "CustomerIDType": "IRD",  "BICCode": "C249910",  "Cease": "2021-08-31"  }  Expected response:  "errors": [  {  "code": "BIC101",  "type": "validation",  "message": "Unable to find activity code provided on the customer"  }  ] | Failure |  |  |  |  |
| MOCK-BIC-023 | Delete BIC | Delete bic request with future cease date, results in error response  Request Body: {  "CustomerID": "139369673",  "CustomerIDType": "IRD",  "BICCode": "A041930",  "Cease": "9999-12-31"  }  Expected response:  "errors": [  {  "code": "BIC103",  "type": "validation",  "message": "Activity cease date may not be in the future"  }  ] | Failure |  |  |  |  |
| MOCK-BIC-024 | Delete BIC | Delete bic request with BIC missing in request, results in error response  Request Body: {  "CustomerID": "139369673",  "CustomerIDType": "IRD",  "Cease": "2021-08-31"  }  Expected response:  "errors": [  {  "code": "EV1100",  "type": "validation",  "message": "Invalid input parameters. Please check documentation"  }  ] | Failure |  |  |  |  |