# Test Report Contact API

# Contact API

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| **Test Plan** | | | | | | **Test Results** | |
| **ID** | **Operation** | **Scenario Description** | **Scenario Type** | **Applicable**  **(Y / N)** | **Exclusion Reason** | **Pass / Fail** | **Notes** |
| **POST / Create Contact Success Scenarios** | | | | | | | |
| MOCK-CONTACT-001 | CREATE | User can successfully create a contact using a valid Customer IRD number and ID Type “IRD”.  e.g.  { "CustomerID": "069096409", "CustomerIDType": "IRD", "Contact": { "ContactType": "SCNDRY", "Name": "New new Gateway", "Phone": [ { "PhoneType": "BSN", "Country": "NZ", "AreaCode": "", "PhoneNumber": "044451153", "Extension": "" } | Success |  |  |  |  |
| MOCK-CONTACT-002 | CREATE | User can successfully create a contact using a valid CustomerID and ID Type “CST”.  e.g.  { "CustomerID": "1512150403", "CustomerIDType": "CST", "Contact": { "ContactType": "SCNDRY", "Name": "New new Gateway", "Phone": [ { "PhoneType": "BSN", "Country": "NZ", "AreaCode": "", "PhoneNumber": "044451153", "Extension": "" } | Success |  |  |  |  |
| MOCK-CONTACT-003 | CREATE | User can successfully create a contact using a valid AccountID and IDType “ACC”.  e.g.  { "AccountID": "069096409INC002", "AccountIDType": "ACC", "Contact": { "ContactType": "SCNDRY", "Name": "New new Gateway", "Phone": [ { "PhoneType": "BSN", "Country": "NZ", "AreaCode": "", "PhoneNumber": "044451153", "Extension": "" } | Success |  |  |  |  |
| **PUT / Update Contact Success Scenarios** | | | | | | | |
| MOCK-CONTACT-004 | UPDATE | User can successfully update a contact for a customer.  e.g.  { "ContactID": 1295148032, "Contact": { "Name": "UpdatedName" } | Success |  |  |  |  |
| **DELETE / Delete Contact Success Scenarios** | | | | | | | |
| MOCK-CONTACT-005 | DELETE | User can successfully delete a contact for a customer.  e.g.  { "ContactID": 1578864256 } | Success |  |  |  |  |
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| **POST / Create Phone Success Scenarios** | | | | | | | |
| MOCK-CONTACT-006 | CREATE | User can successfully create a new phone number on an existing customer contact.  e.g.  { "ContactID": 1295148032, "Phone": { "PhoneType": "BSN", "Country": "NZ", "AreaCode": "", "PhoneNumber": "044451153", "Extension": "" } | Success |  |  |  |  |
| **PUT / Update Phone Success Scenarios** | | | | | | | |
| MOCK-CONTACT-007 | UPDATE | User can successfully update a phone number on an existing customer contact.  e.g.  { "PhoneID": 1004734460042, "Phone": { "Country": "NZ", "PhoneNumber": "027789032", "PhoneType": "CELL" } | Success |  |  |  |  |
| **DELETE / Delete Phone Success Scenarios** | | | | | | | |
| MOCK-CONTACT-008 | DELETE | User can successfully delete a phone number on an existing customer contact.  e.g.  { "PhoneID": 9004732142020 } | Success |  |  |  |  |

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| **Contact / Phone Error Scenarios** | | | | | | | |
| MOCK-CONTACT-009 | CREATE | User receives an error “HTTP Response Status: 400” when the account type used in a contact request is not eligible to be used for the service.  Example payload:  { "AccountID": "132243158KSS004", "AccountIDType": "ACC", "Contact": { "ContactType": "SCNDRY", "Name": "New new Gateway", "Phone": [ { "PhoneType": "BSN", "Country": "NZ", "AreaCode": "", "PhoneNumber": "044451153", "Extension": "" }  Response:  { "errors": [ { "code": "ACT100", "type": "validation", "message": "This account type is not eligible to be used in this service." } ] } | Failure |  |  |  |  |
| MOCK-CONTACT-010 | CREATE | Create a contact request, for an existing contact of that type already present in the system, results in an error response CNT101 "There is an existing contact of this type.".  Example payload:  { "CustomerID": "069096409", "CustomerIDType": "IRD", "Contact": { "ContactType": "PRIMRY", "Name": "New new Gateway", "Phone": [ { "PhoneType": "BSN", "Country": "NZ", "AreaCode": "", "PhoneNumber": "044451153", "Extension": "" }  Response:  { "errors": [ { "code": "CNT101", "type": "validation", "message": "There is an existing contact of this type." } ] } | Failure |  |  |  |  |
| MOCK-CONTACT-011 | CREATE | User receives an error “CNT102 - The phone number provided is invalid" when creating a contact containing non-numeric characters for the phone number’s AreaCode.  Example payload:  { "CustomerID": "069096409", "CustomerIDType": "IRD", "Contact": { "ContactType": "SCNDRY", "Name": "New new Gateway", "Phone": [ { "PhoneType": "BSN", "Country": "NZ", "AreaCode": "O2", "PhoneNumber": "044451153", "Extension": "" }  Response:  { "errors": [ { "code": "CNT102", "type": "validation", "message": "The phone number provided is invalid." } ] } | Failure |  |  |  |  |
| MOCK-CONTACT-012 | CREATE | User receives an error “CNT102 - The phone number provided is invalid" when creating a new phone number on an existing customer contact, when the area code is not provided for a country that requires an area code  Example payload:  { "ContactID": 1295148032, "Phone": { "PhoneType": "BSN", "Country": "AU", "AreaCode": "", "PhoneNumber": "044451153", "Extension": "" }  Response:  { "errors": [ { "code": "CNT102", "type": "validation", "message": "The phone number provided is invalid." } ] } | Failure |  |  |  |  |
| MOCK-CONTACT-013 | CREATE | User receives an error “CNT102 - The phone number provided is invalid" when creating a new phone number on an existing customer contact, when an area code is provided for a NZ phone number.  Example payload:  { "ContactID": 1295148032, "Phone": { "PhoneType": "BSN", "Country": "NZ", "AreaCode": "04", "PhoneNumber": "044451153", "Extension": "" }  Response:  { "errors": [ { "code": "CNT102", "type": "validation", "message": "The phone number provided is invalid." } ] } | Failure |  |  |  |  |
| MOCK-CONTACT-014 | UPDATE | User receives an error “CNT102 - The phone number provided is invalid" when updating a phone number on an existing customer contact containing non-numeric characters for AreaCode.  Example payload:  { "PhoneID": 1004734460042, "Phone": { "Country": "BR", "AreaCode": "O2", "PhoneNumber": "978978998", "PhoneType": "HOM" }  Response:  { "errors": [ { "code": "CNT102", "type": "validation", "message": "The phone number provided is invalid." } ] } | Failure |  |  |  |  |
| MOCK-CONTACT-015 | CREATE | User receives error "CNT103" when submitting a create request for a contact containing an invalid number of phone numbers (6). There must be between 1 and 5 phone numbers on a contact.  Example payload:  { "CustomerID": "069096409", "CustomerIDType": "IRD", "Contact": { "ContactType": "SCNDRY", "Name": "New new Gateway", "Phone": [ { "PhoneType": "BSN", "Country": "NZ", "AreaCode": "", "PhoneNumber": "044451153", "Extension": "" }, { "PhoneType": "BSN", "Country": "NZ", "AreaCode": "", "PhoneNumber": "044451153", "Extension": "" }, { "PhoneType": "BSN", "Country": "NZ", "AreaCode": "", "PhoneNumber": "044451153", "Extension": "" }, { "PhoneType": "BSN", "Country": "NZ", "AreaCode": "", "PhoneNumber": "044451153", "Extension": "" }, { "PhoneType": "BSN", "Country": "NZ", "AreaCode": "", "PhoneNumber": "044451153", "Extension": "" }, { "PhoneType": "BSN", "Country": "NZ", "AreaCode": "", "PhoneNumber": "044451153", "Extension": "" }  Response:  "errors": [ { "code": "CNT103", "type": "validation", "message": "There must be between 1 and 5 phone numbers on a contact.: Contact.Phone" } ] } | Failure |  |  |  |  |
| MOCK-CONTACT-016 | CREATE / UPDATE / DELETE | User receives an error “HTTP Response Status: 400” when a record could not be located for the given identifier. E.g. an IRD number, CustomerID, ContactID or PhoneID in the request payload does not exist.  Example payloads:  { "ContactID": 1234, "Phone": { "PhoneType": "BSN", "Country": "NZ", "AreaCode": "", "PhoneNumber": "044451153", "Extension": "" }  OR  { "ContactID": 1111111111, "Contact": { "Name": "UpdatedName" } }  OR  { "PhoneID": 1111111111111 }  Response:  { "errors": [ { "code": "CST404", "type": "validation", "message": "A record could not be located for the given identifier." } ] } | Failure |  |  |  |  |
| MOCK-CONTACT-017 | CREATE / UPDATE / DELETE | User receives an error “HTTP Response Status: 403” when they do not have access permission to the submitted identifier. E.g. Customer IRD, AccountID, ContactID or PhoneID  Example Payload:  { "AccountID": "102210221INC002", "AccountIDType": "ACC", "Contact": { "ContactType": "SCNDRY", "Name": "New new Gateway", "Phone": [ { "PhoneType": "BSN", "Country": "NZ", "AreaCode": "", "PhoneNumber": "044451153", "Extension": "" }  Response:  { "errors": [ { "code": "EV1022", "type": "security", "message": "Access is not permitted for the requester to perform this operation for the submitted identifier" } ] } | Failure |  |  |  |  |
| MOCK-CONTACT-018 | CREATE / UPDATE / DELETE | User receives an error “EV1100” when the request body has an invalid input parameter. E.g. Invalid CustomerIDType.  Example Payload:  { "CustomerID": "069096409", "CustomerIDType": "IRN", "Contact": { "ContactType": "SCNDRY", "Name": "New new Gateway", "Phone": [ { "PhoneType": "BSN", "Country": "NZ", "AreaCode": "", "PhoneNumber": "044451153", "Extension": "" }  Response:  { "errors": [ { "code": "EV1100", "type": "validation", "message": "Invalid input parameters. Please check documentation: CustomerIDType" } ] } | Failure |  |  |  |  |
| MOCK-CONTACT-019 | CREATE / UPDATE / DELETE | User receives an error “EV1100” when the request body is missing a required input parameter. E.g. empty value in ContactType.  Example Payload:  { "CustomerID": "069096409", "CustomerIDType": "IRD", "Contact": { "ContactType": "", "Name": "New new Gateway", "Phone": [ { "PhoneType": "BSN", "Country": "NZ", "AreaCode": "", "PhoneNumber": "044451153", "Extension": "" }  Response:  { "errors": [ { "code": "EV1100", "type": "validation", "message": "Invalid input parameters. Please check documentation: Contact.ContactType" } ] } | Failure |  |  |  |  |
| MOCK-CONTACT-020 | CREATE | User receives an “EV2234” error when the request body contains a modulus check failed IRD number.  Example Payload:  { "CustomerID": "123456789", "CustomerIDType": "IRD", "Contact": { "ContactType": "SCNDRY", "Name": "New new Gateway", "Phone": [ { "PhoneType": "BSN", "Country": "NZ", "AreaCode": "", "PhoneNumber": "044451153", "Extension": "" }  Response:  { "errors": [ { "code": "EV2234", "type": "validation", "message": "IR number failed check digit" } ] } | Failure |  |  |  |  |
| MOCK-CONTACT-021 | CREATE / UPDATE / DELETE | User receives an error “HTTP Response Status: 400” when the supplied JWT or OAUTH token is invalid / expired.  { "errors": [ { "code": "EV1020", "type": "security", "message": "Authentication failure means the token (JWT or OAuth) provided is not valid" } ] } | Failure |  |  |  |  |
| MOCK-CONTACT-022 | CREATE / UPDATE / DELETE | User receives an error “HTTP Response Status: 400” when there is a missing JWT or OAUTH token in the request header.  { "errors": [ { "code": "EV1021", "type": "security", "message": "No OAuth or JWT token is present as an HTTP header" } ] } | Failure |  |  |  |  |