# Test Report Notifications Service

# Notifications API

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| **List of Notification Scenarios** | | |  | **Test Plan** | | **Test Results** | |
| **ID** | **Operation** | **Scenario Description** | **Scenario Type** | **Applicable**  **(Y / N)** | **Exclusion Reason** | **Pass / Fail** | **Notes** |
| **All Notification types request and responses** | | | | | | | |
| Not 1 | POST | A service provider software   * can submit a request for all notifications published from the FromDateTime * receive a response of 200 and a list of zero, one or more notifications.   If notifications are received, they can be from any of the following Notifications categories: ‘Event’, ‘Reminder’, ‘Request for Information’, ‘Error’ or ‘Action Required’ | Success |  |  |  |  |
| Not 2 | POST | A service provider software   * can submit a request for all notifications within a date range by submitting a FromDateTime and ToDateTime * receive a response of 200 and a list of one or more notifications.   If notifications are received, they can be from any of the following Notifications categories: ‘Event’, ‘Reminder’, ‘Request for Information’, ‘Error’ or ‘Action Required’ | Success |  |  |  |  |
| Not 3 | POST | A service provider software   * can submit a request for all notifications for an IRD customer by submitting the FromDateTime, a QueryIDType of “IRD” and a QueryID of the customer’s IRD number * receive a response of 200 and a list of one or more notifications relating just to that customer.   If notifications are received, they can be from any of the following Notifications categories: ‘Event’, ‘Reminder’, ‘Request for Information’, ‘Error’ or ‘Action Required’ | Success |  |  |  |  |
| Not 4 | POST | A service provider   * can submit a request for all notifications for an IRD customer by submitting the FromDateTime, a QueryIDType of “CST” and a QueryID of the customer’s non-IRD number (eg if they are a non-resident of NZ) * receive a response of *200* and a list of zero, one or more notifications relating just to that customer.   If notifications are received, they can be from any of the following Notifications categories: ‘Event’, ‘Reminder’, ‘Request for Information’, ‘Error’ or ‘Action Required’ | Success |  |  |  |  |
| Not 5 | POST | A service provider software   * can submit a request for all notifications published from the *FromDateTime* * receive a response of *400,* an error code of *EV1100* and an error type of *validation* (if the date was incorrectly formatted) | Failure |  |  |  |  |
| Not 6 | POST | A service provider software   * can submit a request for all notifications published to the *ToDateTime* only * receive a response of *400,* an error code of *EV1100* and an error type of *validation* (The From date must be provided) | Failure |  |  |  |  |
| Not 7 | POST | A service provider software   * can submit a request for all notifications published from the *FromDateTime* * receive a response of *400*, and an error code of *NOT 1* and an error type of *result* (The number of notifications retrieved exceeds the maximum limit of notifications) | Failure |  |  |  |  |
| Not 8 | POST | A service provider software   * can submit a request for all notifications within a date range by submitting a FromDateTime and ToDateTime * receive a response of *400* and an error code of EV2302 and an error type of *result* (The To date field cannot be before the From date field.) | Failure |  |  |  |  |
| Not 9 | POST | A service provider software   * can submit a request for all notifications within a date range by submitting a FromDateTime and ToDateTime * receive a response of *400* and an error code of *KS0113* and an error type of *result* (The From date field must be today or in the past.) | Failure |  |  |  |  |
| **Customer notification requests and responses** | | | | | | | |
| Not 10 | POST | A customer using service provider software with Owner rights (first-party access) to their own myIR account   * can submit a request for all notifications by submitting a FromDateTime, a QueryIDType of “IRD” and a QueryID of their own IRD number. * receive a response of *200* and a list of zero, one or more notifications that the customer has authority to access. | Success |  |  |  |  |
| Not 11 | POST | A customer using service provider software with Nominated Person restricted user rights (third-party access) to at least one individual myIR account   * can submit a request for all notifications by submitting a FromDateTime, a QueryIDType of “IRD” and a QueryID of their own IRD number. * receive a response of *200* and a list of zero, one or more notifications that the customer has authority to access. Notifications will be received from all accounts the customer has Nominated Person access for. | Success |  |  |  |  |
| Not 12 | POST | A customer using service provider software with Administration rights to a myIR account   * can submit a request for all notifications by submitting a FromDateTime, a QueryIDType of “IRD” and a QueryID of the non-individual IRD number. * receive a response of *200* and a list of zero, one or more notifications that the customer has authority to access. | Success |  |  |  |  |
| Not 13 | POST | A customer using service provider software with Administration rights to a myIR account   * can submit a request for all notifications by submitting a FromDateTime, a QueryIDType of “CST” and a QueryID of the non-individual customer number * receive a response of *200* and a list of zero, one or more notifications that the customer has authority to access. | Success |  |  |  |  |
| **Employer specific notification requests and responses** | | | | | | | |
| Not 14 | POST | An employer using service provider software   * can submit a request for all *Employer* notifications by submitting a *FromDateTime* * receive a response of *200* and a list of zero, one or more notifications that only contain the “*Employer*” notification subcategory. For each notification they will receive confirmation of the employer and employee IRD numbers. | Success |  |  |  |  |
| Not 15 | POST | An employer who has been notified that they should be making a KiwiSaver employee deduction and have not done so yet   * can submit a request for all employee notifications by submitting a FromDateTime, a “IRD” QueryIDType and a QueryID of the employer’s IRD number * receive a response of *200* and a list of notifications that include notifications that contain the “KSSS1” notification type (Employee has started KiwiSaver), and confirmation of the Employer and Employee IRD numbers. There may be “KSSS1” notifications for multiple employees listed. OR * receive a response of *200* and a list of notifications that include notifications that contain the “KSSS2” notification type (Employer has not started the employee on KiwiSaver since receiving the first request), and confirmation of the employer and employee IRD numbers. There may be “KSSS2” notifications for multiple employees listed.   It is not possible to request these notifications for one employee only using the employee IRD number.  It is suggested to use the Document service when “KSSS1” or “KSSS2” notification types are received in order to get the full notification details from the Employer letter. | Success |  |  |  |  |
| Not 16 | POST | A payroll intermediary   * can submit a request for a specific employer’s notifications by submitting a FromDateTime, a “IRD” QueryIDType and a QueryID of the employer’s IRD number * receive a response of *200* and a notification that contains the “TAXCDE” notification type (Incorrect Employee tax code), and confirmation of the employer and employee IRD numbers. There may be “TAXCDE” notifications for multiple employees listed.   It is not possible to request these notifications for one employee only using the employee IRD number.  It is suggested to use the Document service when “TAXCDE” notification type is received in order to get the full notification details from the Employer letter. | Success |  |  |  |  |
| **Intermediary specific notification requests and responses** | | | | | | | |
| Not 17 | POST | A tax agent using service provider software   * can submit a request for all notifications of linked clients (at a customer level) by submitting a FromDateTime, a QueryIDType of “*LSTID*” and a QueryID of the intermediary’s client list ID. * receive a response of *200* and a list of receive zero, one or more client notifications. E.g.   **Event notifications**   * + new mail notifications of notification type “NEWMAL” and / OR   + Tax return assessment completed of notification type “RTNCMP” and confirmation of the customers IRD number and filing period, and / OR   **Request for information notifications**   * + Information required to complete a Tax return assessment of notification type “RTNPRC”, confirmation of the customers IRD number and filing period, document ID of a letter requesting information and the document ID location, and / OR   + Information required for a debt collection case of notification type “COLCAS”, confirmation of the customers IRD number and filing period, document ID of a letter requesting information and the document ID location   It is suggested to use the Document service when “NEWMAL”, “COLCAS”, or “RTNPRC” notification types are received. | Success |  |  |  |  |
| Not 18 | POST | A tax agent using a service provider software   * can submit a request for all notifications of linked clients (only at account level) by submitting a FromDateTime, a QueryIDType of “LSTID” and a QueryID of intermediary’s client list ID. * receive a response of *200* and a list of zero, one or more client account level notifications.   Depending on the notification retrieved, additional information relevant to the notification can be retrieved by accessing the Customer Services suite of APIs. | Success |  |  |  |  |
| Not 19 | POST | A tax agent with access to a secondary client list (client list not at the prime) using service provider software   * can submit a request for all notifications of linked clients by submitting the FromDateTime, a QueryIDType of “LSTID” and a QueryID of the intermediary’s client list ID. * receive a response of *200* and a list of zero, one or more client notifications.   Depending on the notification retrieved, additional information relevant to the notification can be retrieved by accessing the Customer Services suite of APIs. | Success |  |  |  |  |
| Not 20 | POST | A non-tax agent intermediary (eg PIE) using service provider software   * can submit a request for all notifications of linked clients by submitting a FromDateTime, a QueryIDType of “CLTID” and a QueryID of the intermediary’s client list ID. * receive a response of *200* and a list of zero, one or more notifications eg that contain the “PIR” notification type (suggested Prescribed investor rate review), and confirmation of the Investor and payee IRD numbers and filing period.   It is suggested to use the PIR Calculator service when a “PIR” notification type is received. | Success |  |  |  |  |
| Not 21 | POST | A tax agent using service provider software who has recently been delinked from clients   * can submit a request for all notifications of linked clients (at a customer level) by submitting a FromDateTime, a QueryIDType of “*LSTID*” and a QueryID of the intermediary’s client list ID. * receive a response of *200,* but no list notifications. | Success |  |  |  |  |
| Not 22 | POST | A tax agent using service provider software   * can submit a request for all notifications of linked clients (at a customer level) by submitting a FromDateTime, a QueryIDType of “*LSTID*” and a QueryID of the intermediary’s client list ID. * receive a response of *400* and an error code of *EV1022* and an error type of *security* (Access is not permitted for the requester to perform this operation for the submitted identifier). | Failure |  |  |  |  |
| Not 23 | POST | A service provider software   * can submit a request for notifications associated to a return submission for an IRD customer by submitting the FromDateTime, a QueryIDType of “IRD” and a QueryID of the customer’s IRD number   receive a response of 200 and a list of zero, one or more notifications of the “Income Tax” notification subcategory, eg notifications that contains the “RTNINN” notification type (Income Tax assessment requires attention) and confirmation of the associated return submission key is returned with element “ExtID” | Success |  |  |  |  |
| **PIE Payer specific notification requests and responses** | | | | | | | |
| Not 24 | POST | A KiwiSaver Scheme Provider who is registered as a PIE Payer   * can submit a request for notifications by submitting a FromDateTime, a “KSF” QueryIDType and a QueryID of the KiwiSaver Scheme Provider’s Scheme Identifier * receive a response of *200* and a list of zero, one or more notification of the “KiwiSaver” notification subcategory, eg notifications that contains the “PIR” notification type (suggested Prescribed investor rate review), and confirmation of the Investor and Payee IRD numbers and filing period.   It is suggested to use the PIR Calculator service when a “PIR” notification type is received. | Success |  |  |  |  |
| Not 25 | POST | A PIE Fund Payer   * can submit a request for notifications by submitting a FromDateTime, a “IRD” QueryIDType and a QueryID of the PIE Payer’s IRD number * receive a response of *200* and a list of zero, one or more notification of the “KiwiSaver” notification subcategory, eg notifications that contains the “PIR” notification type (suggested Prescribed investor rate review), and confirmation of the Investor and payee IRD numbers and filing period   It is suggested to use the PIR Calculator service when a “PIR” notification type is received. | Success |  |  |  |  |
| Not 26 | POST | A KiwiSaver Scheme Provider Administrator   * can submit a request for notifications by submitting a FromDateTime, a “IRD” QueryIDType and a QueryID of a KiwiSaver Scheme Provider’s IRD number who does not have a registered PIE Payer account * receive a response of *400* and an error code of *EV1022* and an error type of *security* (Access is not permitted for the requester to perform this operation for the submitted identifier). | Failure |  |  |  |  |
| **Authentication scenarios** | | | | | | | |
| Not 26 | POST | A service provider   * can submit a request with a valid OAuth2.0 token and can be successfully authenticated * receive a response of *200* and a list of zero, one or more notifications | Success |  |  |  |  |
| Not 27 | POST | A service provider   * can submit a request with a valid JWT token and can be successfully authenticated * receive a response of *200* and a list of zero, one or more notifications | Success |  |  |  |  |
| Not 28 | POST | A service provider   * can submit a request with an invalid OAuth2.0 token * receive a response of *400* and an error code of *EV1020* and an error type of *security* (Authentication failure means the token (JWT or OAuth) provided is not valid.) | Failure |  |  |  |  |
| Not 29 | POST | A service provider   * can submit a request with an invalid JWT token * receive a response of *400* and an error code of *EV1020* and an error type of *security* (Authentication failure means the token (JWT or OAuth) provided is not valid.) | Failure |  |  |  |  |